

EUROPEAN  
CURRICULUM VITAE  
FORMAT



PERSONAL INFORMATION



Name **VALENTINA EMILIA BALAS**  
Address **CALEA RADNEI 126, 310269, ARAD, ROMANIA**  
Telephone **0040-740059151; 0040-357-219101**  
Fax **0040-257-250389**  
E-mail [balas@drbalas.ro](mailto:balas@drbalas.ro) , [valentina.balas@uav.ro](mailto:valentina.balas@uav.ro)

Nationality Romanian  
Date of birth 24 APRIL 1956, ARAD

TOTAL YEARS OF EXPERIENCE

AUGUST 1980 -

WORK EXPERIENCE

1.
  - Dates (from – to) 1993-present
  - Name and address of employer Aurel Vlaicu University of Arad, B-dul Revolutiei 77, 310130 Arad, Romania
  - Type of business or sector Education
  - Occupation or position held Assistant Professor, Lecturer, Associate Professor, Professor
  - Main activities and responsibilities Teaching activities undergraduate and graduate students: Courses on Soft Computing, System Theory, Intelligent Systems, Virtual Instrumentation, Electronics, Measurements, sensors and transducers, Standards in Automation, Analogical and Digital Circuits, Biomedical engineering, Automatics, Discrete Events Systems.  
Scientific Secretary of the Faculty of Engineering (2004-2008)  
Member in the Professorial Council of Faculty (2000 – 2016)  
Member in the Senate of University (2000-2008), (2012 - 2016)  
President of Ethical Commission in university from 2016 to 2018  
Director of the Department of International Relations, Programs and Projects from 2017  
Habilitation to supervise PhD students in the field of Systems Engineering from 2018
2.
  - Dates (from – to) 1984-1993
  - Name and address of employer Scientific Research Institute for Railway Cars of Arad, Romania
  - Type of business or sector R&D
  - Occupation or position held Engineer at the Design and Research Department  
Secretary of the Technical Committee No. 144 in Standardization for Rolling Stock in Romania  
Chief of the Technical Department in the Institute
  - Main activities and responsibilities Design and Research
3.
  - Dates (from – to) 1980-1984

- Name and address of employer
  - Type of business or sector
  - Occupation or position held
- Main activities and responsibilities

Airport Oradea, Romania  
 Aerial Transportation  
 Engineer - Adjunct of the Chief of the Air Navigation Protection Service  
 Metrology coordinator  
 Maintenance, verification and calibration of the air navigation equipment

### EDUCATION AND TRAINING

1.
  - Dates (from – to) 1995-2003
  - Name and type of organization providing education and training Polytechnic University of Timisoara
  - Principal subjects/occupational skills covered Education  
Electronic Engineering and Telecommunications
  - Title of qualification awarded Dr.
  - Level in national classification Cum Laude  
(if appropriate)
- 2
  - Dates (from – to) 1975-1980
  - Name and type of organization providing education and training Polytechnic University of Timisoara
  - Principal subjects/occupational skills covered Education  
Electronic Engineering and Telecommunications
  - Title of qualification awarded Diplomat Engineer
  - Level in national classification License  
(if appropriate)

### PERSONAL SKILLS AND COMPETENCES

*Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas.*

#### MOTHER TONGUE

**Romanian**

#### OTHER LANGUAGES

1.
  - Reading skills **English**  
Excellent
  - Writing skills Excellent
  - Verbal skills Excellent

2.
  - Reading skills **FRANCH**  
Excellent
  - Writing skills Excellent
  - Verbal skills Excellent

#### SOCIAL SKILLS AND COMPETENCES

*Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.*

Chess  
 Chess player – I category  
 Arbiter – II category

ORGANISATIONAL SKILLS  
AND COMPETENCES

*Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.*

Coordinator for research projects in the institute.

Organizing the Control Engineering and Industrial Software Branch of the university and the afferent laboratories.

Co-organizing the Summer School "SOFT COMPUTING" 2003, 2004, 2005 and 2006 Arad, General Co-Chair of the International Workshop IEEE SOFA 2005, IEEE SOFA 2007, IEEE SOFA 2009, IEEE SOFA 2010, IEEE SOFA 2012, SOFA 2014, SOFA 2016, SOFA 2018 and SOFA 2020.

President of General Association of Engineering from Romania (AGIR), Arad branch.

President of Association of Automation and Instrumentation from Romania (AAIR), Arad branch.

President of Romanian Society of Control Engineering and Technical Informatics (SRAIT), Arad branch.

Founding member of Artificial Intelligence Romanian Association (ARIA).

Vice-president of IFSA (International Fuzzy Systems Association) – 2013-2015.

Joint Secretary of Governing Council to Forum for Interdisciplinary Mathematics (FIM), INDIA, (2013-2016).

TECHNICAL SKILLS  
AND COMPETENCES

*With computers, specific kinds of equipment, machinery, etc.*

WINDOWS XP, MICROSOFT OFFICE, INTERNET, EXCEL, C, MATLAB, MATCAD, LABVIEW

Technological background acquired in the tool machines and railway coaches fields;

Specific hardware (electronic equipment, sensors, etc.) and software skills linked to automatic control and measurements.

Papers and books:

- 12 books as author/co-author
- 30 book chapters and more than 100 edited books in Springer, Elsevier, CRC.
- More than 200 articles and papers in ISI data base
- More than 350 scientific papers published in conference volumes.
- More than 60 Invited Lectures around the world: India, Japan, China, Taiwan, Singapore, USA, Hungary, Morocco, Pakistan, Iran, Azerbaijan, Bulgaria, Romania
- [Scopus Author ID: 9279071000](https://scopus.com/authid/detail.uri?authorID=9279071000) – 406 titles, H index = 24
- Publons - <https://publons.com/researcher/486089/valentina-emilia-balas/>
- ORCID – <http://orcid.org/0000-0003-0885-1283>
- Google Scholar - <https://scholar.google.com/citations?user=XaktX0wAAAAJ&hl=ro&oi=ao>
- More that 100 projects, grants and international travel grants

ARTISTIC SKILLS  
AND COMPETENCES

*Music, writing, design, etc.*

[ Describe these competences and indicate where they were acquired. ]

OTHER SKILLS  
AND COMPETENCES  
*Competences not mentioned above.*

Evaluator for „Nicolae Titulescu” grants.  
Evaluator ARACIS - The Romanian Agency for Quality Assurance in Higher Education  
Evaluator CNCSIS - The National Research Council  
Expert evaluator for projects for Georgia National Science Foundation  
Expert evaluator for projects PNCDI – II (2008, 2009)  
Evaluator EQANIE European Quality Assurance Network for Informatics Education from 2009  
Member of Multidisciplinary Development Association– Timisoara, Romania from 2002  
Member of IEEE CIS – Computational Intelligence Society from 2003  
Member of WCI – Woman in Computational Intelligence from 2006  
Member of AAIR - Control and Instrumentation Association of Romania from 2005  
Member AGIR - The General Association of Engineers from 2005  
IEEE Senior Member from 2007  
Member EUSFLAT European Society for Fuzzy Logic and Technology from 2007 and member in the Board of EUSFLAT from 2011 – responsible with recruiting.  
Member in the Technical Committee Emergent Technologies from IEEE CIS from 2009  
Member in the Technical Committee Fuzzy Systems from IEEE CIS from 2011  
Member of Technical Committee – Soft Computing to IEEE SMC from 2009  
Member ACM - Association for Computing Machinery from 2008  
Member IEEE IES (Industrial Electronics) si SMC (Systems Man and Cybernetics) from 2009  
Member of IAENG - International Association of Engineers from 2009  
Member of the Academic Community to International Congress for Global Science and Technology – ICGST, Egypt, 2009  
Member of International Society on Multiple Criteria Decision Making MCDM from 2009  
Member of the Academy of Sciences from New York from 2009  
Member of SIAM Society for Industrial and Applied Mathematics from 2010  
Member of Research Gate Scientific Network, from 2010  
Elected Joint Secretary of the Governing Council of Forum for Interdisciplinary Mathematics (FIM), - A Multidisciplinary Academic Body, India, 2013-2016  
Elected Vice president (Awards) of the International Fuzzy Systems Association Council – IFSA, 2013-2015, USA  
Member of AIAA - American Institute of Aeronautics and Astronautics - ID number 490278, Region VII, from October 2013, member in Intelligent Systems Technical Committee.  
Recipient of the "Tudor Tanasescu" Prize from the Romanian Academy for contributions in the field of soft computing methods (2019).  
Elected on 2021 responsible with Volunteers to IEEE Romania section - <https://romania.ieeer8.org/committee/section-committee/>  
Member in ICT IEEE Public Policy Committee Working Group from 2021 - <https://www.ieee.org/about/ieee-europe/europe-ict.html>

DRIVING LICENCE(S)

B category from 1974

ADDITIONAL INFORMATION

1. PROF.DR.ING. MIRCEA CIUGUDEAN, POLITEHNICA UNIVERSITY OF TIMISOARA, ROMANIA  
TEL. 0040-722486853  
E-MAIL: [MACIUGUDEAN@YAHOO.COM](mailto:MACIUGUDEAN@YAHOO.COM)
2. Prof. Michio Sugeno,  
Tokyo Institute of Technology, Japonia  
E-mail: [michio.sugeno@gmail.com](mailto:michio.sugeno@gmail.com)
3. Prof. Lakhmi C. Jain, Professor of Knowledge-Based Engineering,  
Founding Director of the KES Centre,  
University of Technology Sydney, Australia  
E-mail: [jainlakhmi@gmail.com](mailto:jainlakhmi@gmail.com)

ANNEX

The list with scientifically papers, projects and other activities

Arad, 15.08.2022

Prof.habil.dr.eng. Valentina Emilia Balas

## ANNEX

### Works elaborated and / or published:

#### Books and Books Chapters (selections)

- |   |
|---|
| <p>1. <b>Valentina E. Bălaș</b>, Iulia Moțoc, Alina Barbulescu, <i>Combined Haar-Hilbert and Log-Gabor Based Iris Encoders</i>, Title of the book: New concepts and applications in Soft Computing, Volume, Studies in Computational Intelligence, Vol. 417, Balas, V. E.; Fodor, J; Varkonyi-Koczy, A. (Eds.), 2012, XII, ISBN 978-3-642-28958-3, pag. 1-26, Springer.<br/><a href="http://link.springer.com/book/10.1007/978-3-642-28959-0/page/1">http://link.springer.com/book/10.1007/978-3-642-28959-0/page/1</a></p>   |
| <p>2. <b>Valentina E. Bălaș</b>, Marius M. Bălaș, <i>Fuzzy Systems towards Field Applications</i>, Rudolf Seising, Enric Trillas, Claudio Moraga, and Settimo Termini (eds.), <i>On Fuzziness. A Homage to Lotfi A. Zadeh</i>, Springer Verlag, Berlin, New York, 2013, Volume 216, Chapter 25, pag. 189-195,<br/><a href="http://link.springer.com/book/10.1007/978-3-642-35641-4/page/1">http://link.springer.com/book/10.1007/978-3-642-35641-4/page/1</a> ,<br/><a href="http://link.springer.com/chapter/10.1007/978-3-642-35641-4_3#page-1">http://link.springer.com/chapter/10.1007/978-3-642-35641-4_3#page-1</a></p>   |
| <p>3. Rejeeb Dey, Goshaidas Ray, <b>Valentina Emilia Balas</b>, <i>Stability and Stabilization of Linear and Fuzzy Time-Delay Systems, A Linear Matrix Inequality Approach</i>, Springer, 2018, ISBN 978-3-319-70147-9, 308 pag.<br/><a href="http://www.springer.com/gp/book/9783319701479">http://www.springer.com/gp/book/9783319701479</a></p>  |
| <p>4. Marius M. Bălaș, <b>Valentina E. Bălaș</b> – <i>Postmodernism and Control Engineering</i>, Rudolf Seising (editor): Views on Fuzzy Sets and Systems from Different Perspective. Philosophy, Logic; Criticism and Applications, Vol. 243, ISBN 978-3-540-93801-9, Cap 18, pag. 377-390, 2009, <b>DPLB (Computer Science Bibliography) indexed</b>,<br/><a href="http://www.springerlink.com/content/n2jvt13463n5pj37/">http://www.springerlink.com/content/n2jvt13463n5pj37/</a></p>   |
| <p>5. Marius M. Bălaș, <b>Valentina E. Bălaș</b> – <i>The Fuzzy Interpolative Control for Passive Greenhouses</i>, H.-N. Teodorescu, J. Watada, and L.C. Jain (Eds.): <b>Intelligent Systems and Technologies, SCI 217</b>, Vol. 217, ISBN978-3-642-01884-8, pag. 219–231, 2009, Springer, <b>DPLB (Computer Science Bibliography) indexed</b>,<br/><a href="http://www.springer.com/engineering/book/978-3-642-01884-8">http://www.springer.com/engineering/book/978-3-642-01884-8</a> .</p>   |
| <p>6. Nicolae Popescu-Bodorin, <b>Valentina E. Bălaș</b>, <i>Learning Iris Biometric Digital Identities for Secure Authentication. A Neural-Evolutionary Perspective Pioneering Intelligent Iris Identification</i>, Springer, Title of the book: Recent Advances in Intelligent Engineering Systems, Volume 378, Editor(s): J. Fodor, R. Klempous and C.P. Suárez Araujo, pag.. 405-430. Springer Verlag, 2011, SBN 978-3-642-23229-9,<br/><a href="http://www.springer.com/engineering/computational+intelligence+and+complexity/book/978-3-642-23228-2">http://www.springer.com/engineering/computational+intelligence+and+complexity/book/978-3-642-23228-2</a></p> |
| <p>7. Ahmad Taher Azar and <b>Valentina E. Bălaș</b>, <i>Classification and Detection of Diabetic Retinopathy</i>, Advances in Intelligent analysis of Medical Data and Decision Support Systems, Studies in Computational Intelligence, Springer, Volume 473, 2013, Roumen Kountchev and Barna Iantovics, (Eds.), ISBN: 978-3-319-00028-2 (Print) 978-3-319-00029-9 (Online), pp.135-145, From 2nd International Workshop on Next Generation Medical Decision Support Systems 2012 MedDecSup'2012, Sofia, Bulgaria, 10-11 July.</p>  |
| <p>8. Ahmed T. Azar, <b>Valentina E. Bălaș</b>, Teodora Olariu, <i>Classification of EEG-Based Brain-Computer Interfaces</i>, Springer, Advanced Intelligent Computational Technologies and Decision Support Systems, <u>Barna Iantovics</u>, <u>Roumen Kountchev</u> (Eds.) in <a href="#">Studies in Computational Intelligence</a>, ISBN: 978-3-319-00466-2 (Print) 978-3-319-00467-9, Volume 486, 2014, pag. 97-106.</p>  |
| <p>9. Mousumi Kumar, <b>Valentina E. Balas</b>, <b>Bijay Baran Pal</b>, <i>Using Fuzzy Goal Programming with Penalty Functions for Solving EEPGD Problem via Genetic Algorithm</i>, IGI Global, <a href="#">Handbook of Research on Natural Computing for Optimization Problems</a> Chapter 34, pag. 847-869, ISBN 9781522500582, DOI: 10.4018/978-1-5225-0058-2.ch034, 2016</p>  |

10. Debjani Chakraborti, **Valentina E. Balas, Bijay Baran Pal**, *Genetic Algorithm for FGP Model of a Multiobjective Bilevel Programming Problem in Uncertain Environment*, IGI Global, [Handbook of Research on Natural Computing for Optimization Problems](#) Chapter 35, pag. 870-888, ISBN 9781522500582, DOI: 10.4018/978-1-5225-0058-2.ch035, 2016
11. **Jagatheesan Kaliannan, Anand B, Nguyen Gia Nhu, Nilanjan Dey, Amira S. Ashour and Valentina E. Balas**, *Automatic Generation Control of Hydro-Hydro Interconnected Power System Based on Ant Colony Optimization*, *Recent Developments in Intelligent Nature-Inspired Computing*, Editor **Srikanta Patnaik**, IGI Global, **pag 153-170, 2017**,  
<http://www.igi-global.com/book/recent-developments-intelligent-nature-inspired/173681>
12. **Valentina E. Bălaș**, Janos Fodor, Annamaria Várkonyi-Kóczy, Jozsef Dombi, Lakhmi C. Jain (**editor**) la [Soft Computing Applications](#), *Proceedings of the 5th International Workshop Soft Computing Applications* (SOFA 2012), [Advances in Intelligent Systems and Computing](#), Springer, 2013, Vol. 195, ISBN 978-3-642-33941-7, 726 pag. **ISI Proceedings.**
13. **Valentina E. Bălaș**, Annamaria Varkonyi-Koczy, Janos Fodor (**editor**) la “ *New Concepts and Applications in Soft Computing*, Studies in Computational Intelligence, Berlin: Springer, 2012, Vol 417, ISBN 978-3-642-28958-3, 278 pag.  
<http://www.springer.com/engineering/computational+intelligence+and+complexity/book/978-3-642-28958-3>
14. **Valentina E. Bălaș**, Annamaria Varkonyi-Koczy, Janos Fodor (**editor**) la “*Soft Computing Based Modeling in Intelligent Systems*”, Studies in Computational Intelligence, Berlin: Springer, 2009, Vol. 196, ISBN 978-3-642-00447-6, 206 pag. <http://www.springer.com/engineering/book/978-3-642-00447-6>
15. Jain, L.C.; Sato-Ilic, M.; Virvou, M.; Tsihrintzis, G.A.; **Valentina E. Bălaș**, Abeynayake, C., (**editor**) la *Computational Intelligence Paradigms, Innovative Applications*, [Studies in Computational Intelligence](#), Springer, 2008, Vol. 137, VIII, ISBN: 978-3-540-79473-8, 282 pag.
16. **Valentina E. Bălaș**, Lakhmi C. Jain, Branco Kovacevic (**editor**) la [Soft Computing Applications](#), *Proceedings of the 6th International Workshop Soft Computing Applications* (SOFA 2014), [Advances in Intelligent Systems and Computing](#), Springer, 2016, Volume 356 and 357, Vol. 1 si Vol. 2, ISSN: 2194-5357, ISBN 978-3-319-18296-4 ISBN 978-3-319-18416-6  
<http://www.springer.com/gp/book/9783319182957> <http://www.springer.com/gp/book/9783319184159>
17. **Valentina Emilia Balas**, Lakhmi C. Jain, Xiangmo Zhao, Fuqian Shi (**editor**), *Information Technology and Intelligent Transportation Systems : Proceedings of the 2nd International Conference on Information Technology and Intelligent Transportation Systems* (ITITS 2017), Xi'an, China, June 10, 2017, Springer 2017, ISBN 9781614997849, <https://www.bookdepository.com/Information-Technology-and-Intelligent-Transportation-Systems/9781614997849?status=invalid-email>
18. **Jude Hemanth and Valentina Emilia Balas**, (**editor**), *Biologically Rationalized Computing Techniques For Image Processing Applications*, Springer 2018, ISBN 978-3-319-61316-1, <http://www.springer.com/in/book/9783319613154>
19. **Valentina Emilia Balas**, Lakhmi C. Jain, Zhao, X., (**editor**), *Information Technology and Intelligent Transportation Systems*, *Proceedings of the 2015 International Conference on Information Technology and Intelligent Transportation Systems* (ITITS 2015), Springer 2017, Vol. 1 si Vol. 2, ISBN 978-3-319-38789-5, ISBN 978-3-319-38771-0, <http://www.springer.com/in/book/9783319387697> , <http://www.springer.com/in/book/9783319387871>
20. Amlan Chakrabarti, Neha Sharma, **Valentina Emilia Balas** (**editor**), *Advances in Computing Applications*, Springer 2017, ISBN: 978-981-10-2629-4, <http://www.springer.com/la/book/9789811026294>
21. Pijush Samui, Sanjiban Sekhar Roy, **Valentina Emilia Balas** (**editor**), *Handbook of Neural Computation*, Elsevier 2017, ISBN: 9780128113189, <https://www.elsevier.com/books/handbook-of-neural-computation/samui/978-0-12-811318-9>
22. **Valentina Emilia Balas, Lakhmi C. Jain, Marius Mircea Balas** (**editor**), *Soft Computing Applications : Proceedings of the 7th International Workshop Soft Computing Applications (SOFA 2016)*, **Vol. 1 + Vol. 2, Springer 2017**, ISBN: 9783319625201 ISBN: 9783319625232  
<http://www.springer.com/gp/book/9783319625201>  
<http://www.springer.com/gp/book/9783319625232>  
**ISI Proceedings.**
23. **Balas, V.E., Roy, S.S., Sharma, D., Samui, P.** (**editor**) [Handbook of Deep Learning Applications](#) ISBN 978-3-030-11479-4, 2019  
<https://www.springer.com/gp/book/9783030114787>



24. **[Engineering Research Methodology](#)**  
A Practical Insight for Researchers  
**Deb, Dipankar, Dey, Rajeeb, Balas, Valentina E., (editor)**  
ISBN 978-981-13-2947-0, 2019  
<https://www.springer.com/gp/book/9789811329463>  
**[Internet of Things and Big Data Analytics for Smart Generation](#)**
25. **Balas, V.E., Solanki, V.K., Kumar, R., Khari, M. (editor)**  
ISBN 978-3-030-04203-5, 2019  
<https://www.springer.com/gp/book/9783030042028>
26. **[Data and Communication Networks](#)**  
Proceedings of GUCON 2018  
**Jain, Lakhmi C., E. Balas, Valentina, Johri, Prashant (editor)**  
ISBN 978-981-13-2254-9, 2019  
<https://www.springer.com/gp/book/9789811322532>
27. **[Proceedings of International Ethical Hacking Conference 2018](#)**  
eHaCON 2018, Kolkata, India  
**Chakraborty, M., Chakrabarti, S., Balas, V.E., Mandal, J.K. (editor)**  
ISBN 978-981-13-1544-2, 2019  
<https://www.springer.com/gp/book/9789811315435>
28. **[Innovations in Infrastructure](#)**  
Proceedings of ICIIF 2018  
**Deb, Dipankar, Balas, Valentina E., Dey, Rajeeb (editor)**  
ISBN 978-981-13-1966-2, 2019  
<https://www.springer.com/gp/book/9789811319655>
29. **[Nature Inspired Optimization Techniques for Image Processing Applications](#)**  
**Hemanth, Jude, Balas, Valentina Emilia (editor)**  
ISBN 978-3-319-96002-9, 2019  
<https://www.springer.com/gp/book/9783319960012>
30. **[Innovative Research in Transportation Infrastructure](#)**  
Proceedings of ICIIF 2018  
**Deb, D., Balas, V.E., Dey, R., Shah, J. (editor)**  
ISBN 978-981-13-2032-3, 2019  
<https://www.springer.com/gp/book/9789811320316>
31. **[Data Management, Analytics and Innovation](#)**  
Proceedings of ICDMAI 2018, Volume 2  
**Balas, Valentina Emilia, Sharma, Neha, Chakrabarti, Amlan (editor)**  
ISBN 978-981-13-1274-8, 2019  
<https://www.springer.com/gp/book/9789811312731>
32. **[Data Management, Analytics and Innovation](#)**  
Proceedings of ICDMAI 2018, Volume 1  
**Balas, Valentina Emilia, Sharma, Neha, Chakrabarti, Amlan (editor)**  
ISBN 978-981-13-1402-5, 2019
33. **[Big Data Processing Using Spark in Cloud](#)**  
**Mittal, M., Balas, V.E., Goyal, L.M., Kumar, R. (editor)**  
ISBN 978-981-13-0550-4, 2019  
<https://www.springer.com/gp/book/9789811305498>
34. **[Security with Intelligent Computing and Big-data Services](#)**  
**Peng, S.-L., Wang, S.-J., Balas, V.E., Zhao, M. (editor)**  
ISBN 978-3-319-76451-1, 2018  
<https://www.springer.com/gp/book/9783319764504>
35. **[Biologically Rationalized Computing Techniques For Image Processing Applications](#)**  
**Hemanth, D. Jude, Balas, Valentina Emilia (editor)**  
ISBN 978-3-319-61316-1, 2018  
<https://www.springer.com/gp/book/9783319613154>
36. **[Intelligent Data Analysis for Biomedical Applications : Challenges and Solutions](#)**  
Intelligent Data-Centric Systems: Sensor Collected Intelligence  
Hemanth D. Jude, Deepak Gupta, Valentina Emilia Balas (editor)  
<https://www.bookdepository.com/Intelligent-Data-Analysis-for-Biomedical-Applications/>, ISBN 9780128155530,  
2019
37. **[Handbook of Neural Computation](#)**  
Pijush Samui, Sanjiban Sekhar Roy, Valentina Emilia Balas, (editor)  
ISBN 9780128113189, 2017  
<https://www.bookdepository.com/Handbook-Neural-Computation/9780128113189>



### 38. Biologically Rationalized Computing Techniques For Image Processing Applications

[Lecture Notes in Computational Vision and Biomechanics](#)

[JUDE HEMANTH](#), [Valentina Emilia Balas](#) (editor)

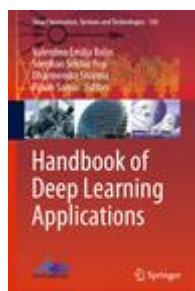
[ISBN13 9783319613154, 2019](#)

<https://www.bookdepository.com/Biologically-Rationalized-Computing-Techniques-For-Image-Processing-Applications/9783319613154>

national

1. **Valentina E. Bălaș**, Teoria Sistemelor, Editura Universității “Aurel Vlaicu” Arad, 2013, ISBN 978-973-752-672- 4, 150 pag.
2. **Valentina E. Bălaș**, (editor) volumul Proceedings of **International Symposium Research and Education in Innovation Era, Section 3, Engineering Processes and Technology, Electrical, Arad, 16-18 November 2006**, ISBN: 9978-973-752-110-1, Editura Universității “Aurel Vlaicu” din Arad, 457 pag.
3. **Valentina E. Bălaș**, *Senzori inteligenți cu model intern și fuziune fuzzy*, Editura Politehnica, 2004, Timișoara, ISBN 973-625-113-6, 151 pag., **Prefața scrisă de Prof. Lotfi A. Zadeh.**
4. **Valentina E. Bălaș**, Marius M. Bălaș. *A Survey on the Constant Time to Collision Techniques*, Lotfi A. Zadeh, Dan Tufiș, Florin Gheorghe Filip, Ioan Dzitac (eds.), From Natural Language to Soft Computing: New Paradigms in Artificial Intelligence , Editing House of Romanian Academy, ISBN:978-973-27-1678-6, 2008, pag. 23-31.
5. Marius M. Bălaș, **Valentina E. Bălaș**. *World Knowledge for Controllers by Fuzzy-Interpolative Systems*, Lotfi A. Zadeh, Dan Tufiș, Florin Gheorghe Filip, Ioan Dzitac (eds.), From Natural Language to Soft Computing: New Paradigms in Artificial Intelligence , Editing House of Romanian Academy, ISBN:978-973-27-1678-6, 2008, pag.11-21.

## **Editor (selections)**



### 1. [Handbook of Deep Learning Applications](#)

Balas, V.E., Roy, S.S., Sharma, D., Samui, P. (Eds.)

ISBN 978-3-030-11479-4, © 2019, Available Formats: Hardcover, eBook

[Download PDF](#)

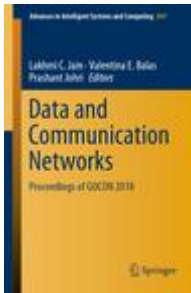


### 2. [Internet of Things and Big Data Analytics for Smart Generation](#)

Balas, V.E., Solanki, V.K., Kumar, R., Khari, M. (Eds.)

ISBN 978-3-030-04203-5, © 2019, Available Formats: Hardcover, eBook

[Download PDF](#)



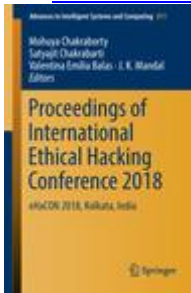
• **[Data and Communication Networks](#)**

Proceedings of GUCON 2018

**Jain, Lakhmi C., Balas, Valentina Emilia, Jhri, Prashant** (Eds.)

ISBN 978-981-13-2254-9, © 2019, Available Formats: Softcover, eBook

[Download PDF](#)



• **[3. Proceedings of International Ethical Hacking Conference 2018](#)**

eHaCON 2018, Kolkata, India

**Chakraborty, M., Chakraborty, S., Balas, V.E., Mandal, J.K.** (Eds.)

ISBN 978-981-13-1544-2, © 2019, Available Formats: Softcover, eBook

[Download PDF](#)



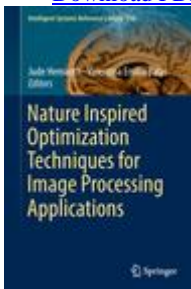
• **[4. Innovations in Infrastructure](#)**

Proceedings of ICIF 2018

**Deb, Dipankar, Balas, Valentina E., Dey, Rajeeb** (Eds.)

ISBN 978-981-13-1966-2, © 2019, Available Formats: Softcover, eBook

[Download PDF](#)



• **[5. Nature Inspired Optimization Techniques for Image Processing Applications](#)**

**Hemanth, D. Jude, Balas, Valentina Emilia** (Eds.)

ISBN 978-3-319-96002-9, © 2019, Available Formats: eBook, Softcover, Hardcover

[Download PDF](#)



6. [Innovative Research in Transportation Infrastructure](#)

Proceedings of ICIF 2018

**Deb, D., Balas, V.E., Dey, R., Shah, J.** (Eds.)

ISBN 978-981-13-2032-3, © 2019, Available Formats: eBook, Hardcover, Softcover

[Download PDF](#)



7. [Data Management, Analytics and Innovation](#)

Proceedings of ICDMAI 2018, Volume 2

**Balas, Valentina Emilia, Sharma, Neha, Chakrabarti, Amlan** (Eds.)

ISBN 978-981-13-1274-8, © 2019, Available Formats: eBook, Softcover

[Download PDF](#)



8. [Data Management, Analytics and Innovation](#)

Proceedings of ICDMAI 2018, Volume 1

**Balas, Valentina Emilia, Sharma, Neha, Chakrabarti, Amlan** (Eds.)

ISBN 978-981-13-1402-5, © 2019, Available Formats: eBook, Softcover

[Download PDF](#)

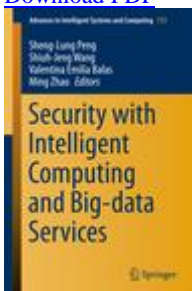


9. [Big Data Processing Using Spark in Cloud](#)

**Mittal, M., Balas, V.E., Goyal, L.M., Kumar, R.** (Eds.)

ISBN 978-981-13-0550-4, © 2019, Available Formats: Hardcover, Softcover, eBook

[Download PDF](#)



10.

[Security with Intelligent Computing and Big-data Services](#)

Peng, S.-L., Wang, S.-J., Balas, V.E., Zhao, M. (Eds.)  
ISBN 978-3-319-76451-1, © 2018, Available Formats: Softcover, eBook  
[Download PDF](#)



11. [Soft Computing Applications](#)

Proceedings of the 7th International Workshop Soft Computing Applications (SOFA 2016), Volume 2  
**Balas, Valentina Emilia, Jain, Lakhmi C., Balas, Marius Mircea** (Eds.)  
ISBN 978-3-319-62524-9, © 2018, Available Formats: Softcover, eBook

[Download PDF](#)



12. [Soft Computing Applications](#)

Proceedings of the 7th International Workshop Soft Computing Applications (SOFA 2016) , Volume 1  
**Balas, Valentina Emilia, Jain, Lakhmi C., Balas, Marius Mircea** (Eds.)  
ISBN 978-3-319-62521-8, © 2018, Available Formats: eBook, Softcover

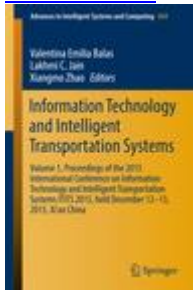
[Download PDF](#)



13. [Biologically Rationalized Computing Techniques For Image Processing Applications](#)

**Hemanth, D. Jude, Balas, Valentina Emilia** (Eds.)  
ISBN 978-3-319-61316-1, © 2018, Available Formats: Hardcover, Softcover, eBook

[Download PDF](#)

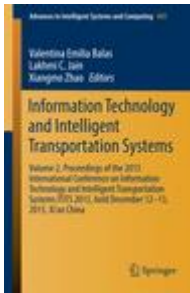


14. [Information Technology and Intelligent Transportation Systems](#)

Volume 1, Proceedings of the 2015 International Conference on Information Technology and Intelligent Transportation Systems ITITS 2015, held December 12-13, 2015, Xi'an China

**Balas, Valentina Emilia, Jain, Lakhmi C., Zhao, Xiangmo** (Eds.)  
ISBN 978-3-319-38789-5, © 2017, Available Formats: Softcover, eBook

[Download PDF](#)



15. [Information Technology and Intelligent Transportation Systems](#)

Volume 2, Proceedings of the 2015 International Conference on Information Technology and Intelligent Transportation Systems ITITS 2015, held December 12-13, 2015, Xi'an China

**Balas**, Valentina Emilia, **Jain**, Lakhmi C., **Zhao**, Xiangmo (Eds.)

ISBN 978-3-319-38771-0, © 2017, Available Formats: eBook, Softcover

[Download PDF](#)

Your eBook's download numbers are above average

[Show more](#)



16. [Advances in Computing Applications](#)

**Chakrabarti**, Amlan, **Sharma**, Neha, **Balas**, Valentina Emilia (Eds.)

ISBN 978-981-10-2630-0, © 2016, Available Formats: Hardcover, eBook, Softcover

[Download PDF](#)



17. [Soft Computing Applications](#)

Proceedings of the 6th International Workshop Soft Computing Applications (SOFA 2014), Volume 1

**Balas**, Valentina Emilia, **Jain**, Lakhmi C., **Kovačević**, Branko (Eds.)

ISBN 978-3-319-18296-4, © 2016, Available Formats: Softcover, eBook

[Download PDF](#)



18. [Soft Computing Applications](#)

Proceedings of the 6th International Workshop Soft Computing Applications (SOFA 2014), Volume 2

**Balas**, Valentina Emilia, **Jain**, Lakhmi C., **Kovačević**, Branko (Eds.)

ISBN 978-3-319-18416-6, © 2016, Available Formats: eBook, Softcover

[Download PDF](#)

**Carti in ELSEVIER coordinator**

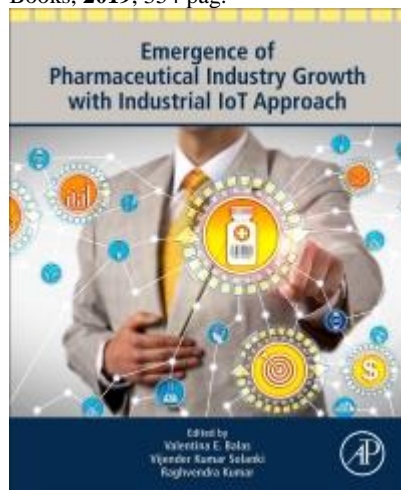
---

19. [Emergence of Pharmaceutical Industry Growth with Industrial IoT Approa...](#)

<https://www.elsevier.com/books/emergence-of-pharmaceutical-industry-growth-with-...>

Emergence of Pharmaceutical Industry Growth with Industrial IoT Approach uses an innovative approach to explore how the Internet of Things (IoT) and big data can improve ...

Books, 2019, 354 pag.



**20. [Telemedicine Technologies - 1st Edition](https://www.elsevier.com/books/telemedicine-technologies/d-jude/978-0-12-816948-...)**

<https://www.elsevier.com/books/telemedicine-technologies/d-jude/978-0-12-816948-...>

Telemedicine Technologies: Big Data, Deep Learning, Robotics, Mobile and Remote Applications for Global Healthcare illustrates the innovative concepts, methodologies and ...

Books, 2019, 260 pag.



**21. [Real-Time Data Analytics for Large Scale Sensor Data, Volume 6 - 1st E...](https://www.elsevier.com/books/real-time-data-analytics-for-large-scale-sensor-d-...)**

<https://www.elsevier.com/books/real-time-data-analytics-for-large-scale-sensor-d-...>

Real-Time Data Analytics for Large-Scale Sensor Data covers the theory and applications of hardware platforms and architectures, the development of software methods, tech...

Books, 2019, 298 pag.

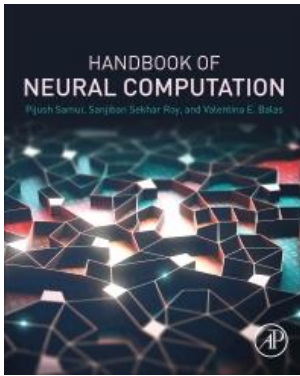


**22. [Handbook of Neural Computation - 1st Edition](https://www.elsevier.com/books/handbook-of-neural-computation/samui/978-0-12-811...)**

<https://www.elsevier.com/books/handbook-of-neural-computation/samui/978-0-12-811...>

Handbook of Neural Computation explores neural computation applications, ranging from conventional fields of mechanical and civil engineering, to electronics, electrical ...

Books, 2017, 658

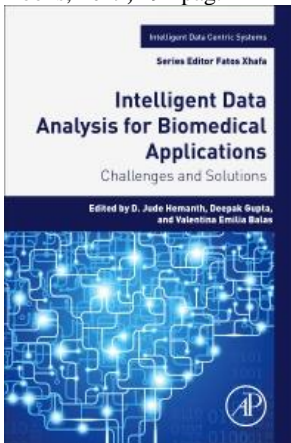


**23. [Intelligent Data Analysis for Biomedical Applications - 1st Edition](https://www.elsevier.com/books/intelligent-data-analysis-for-biomedical-applicat...)**

<https://www.elsevier.com/books/intelligent-data-analysis-for-biomedical-applicat...>

Intelligent Data Analysis for Biomedical Applications: Challenges and Solutions presents specialized statistical, pattern recognition, machine learning, data abstraction ...

Books, 2019, 294 pag.



**24. [Handbook of Data Science Approaches for Biomedical Engineering - 1st E...](https://www.elsevier.com/books/handbook-of-data-science-approaches-for-biomedica...)**

<https://www.elsevier.com/books/handbook-of-data-science-approaches-for-biomedica...>

Handbook of Data Science Approaches for Biomedical Engineering covers the research issues and concepts of biomedical engineering progress and the ways they are aligning w...

Books, 2019, 318 pag.



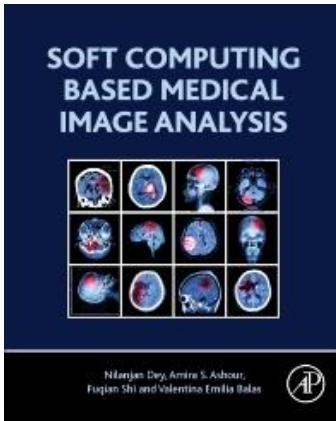
**25. [Soft Computing Based Medical Image Analysis - 1st Edition](https://www.elsevier.com/books/soft-computing-based-medical-image-analysis/dey/9...)**

<https://www.elsevier.com/books/soft-computing-based-medical-image-analysis/dey/9...>

Soft Computing Based Medical Image Analysis presents the foremost techniques of soft computing in medical image analysis and processing. It includes image enhancement, se...

Books, 2018, 292 pag.





**26. *Internet of Things in Biomedical Engineering - 1st Edition***

<https://www.elsevier.com/books/internet-of-things-in-biomedical-engineering/jha/...>

Internet of Things in Biomedical Engineering presents the most current research in Internet of Things (IoT) applications for clinical patient monitoring and treatment. Th...

Books **2019**, 379 pag.

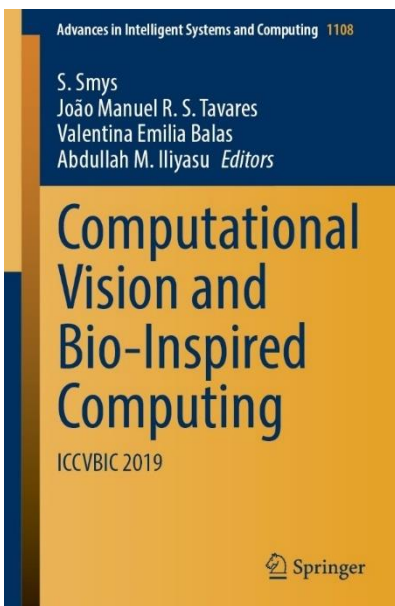


**27. Computational Vision and Bio-Inspired Computing, ICCVBIC 2019**

Editors: S. Smys, [João Manuel RS Tavares](#), Valentina E. Balas, Abdullah M. Ilyyasu,

Springer

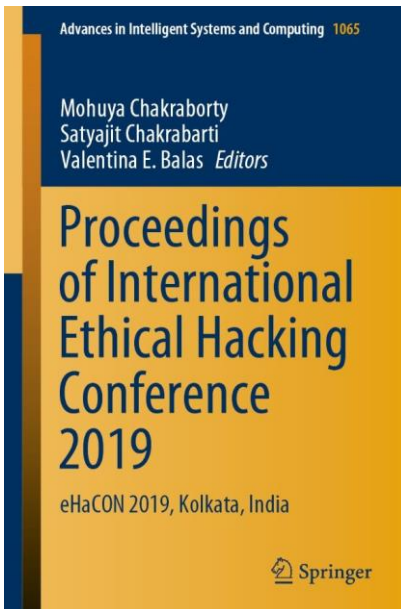
<https://www.springer.com/gp/book/9783030372170#aboutBook>



**28. Proceedings of International Ethical Hacking Conference 2019, eHaCON 2019, Kolkata, India,**

Editors: Mohuya Chakraborty, Satyajit Chakrabarti, Valentina E. Balas.

Springer, <https://www.springer.com/gp/book/9789811503603>



**29. Cognitive Informatics and Soft Computing - Proceeding of CISC 2019**

Editors:

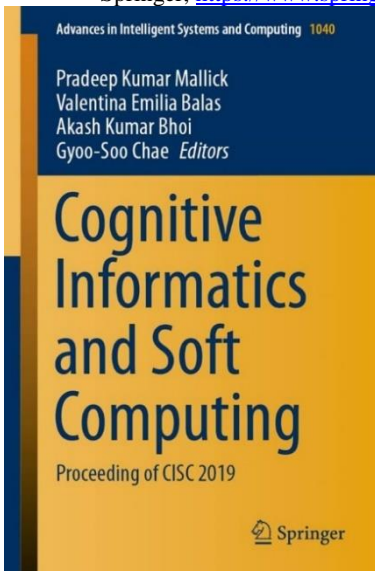
Pradeep Kumar Mallick - INDIA.

[Valentina Emilia Balas](#) - ROMANIA.

Akash Kumar Bhoi - INDIA.

Gyoo-Soo Chae - SOUTH KOREA

Springer, <https://www.springer.com/gp/book/9789811514500>

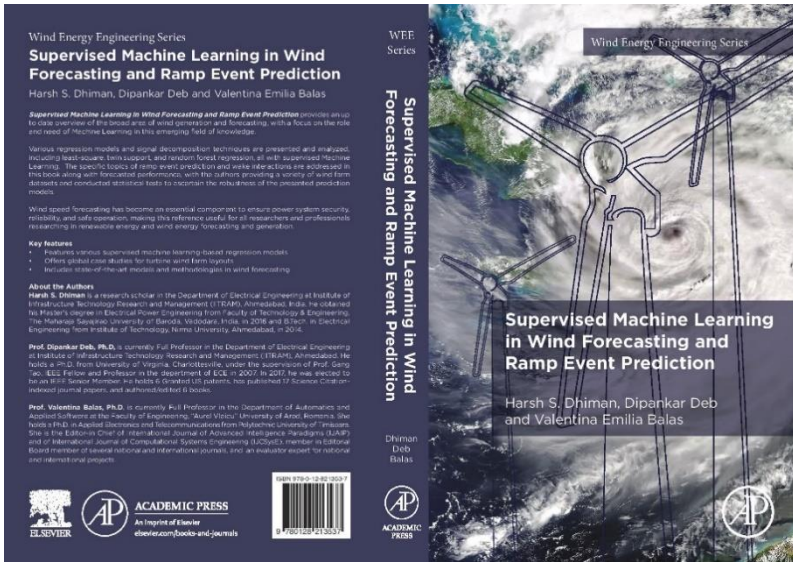


**30. Supervised Machine Learning in Wind Forecasting and Ramp Event Prediction.**

Authors: Harsh Dhiman Dipankar Deb Valentina Emilia Balas

Elsevier

<https://www.elsevier.com/books/supervised-machine-learning-in-wind-forecasting-and-ramp-event-prediction/dhiman/978-0-12-821353-7>



**31. "Intelligent Techniques and Applications in Science and Technology"**

Editors:

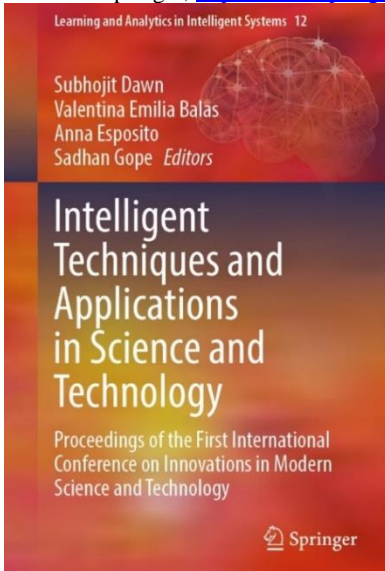
[Subhojit Dawn](#) - INDIA

[Valentina Emilia Balas](#) - ROMANIA

[Anna Esposito](#) - ITALY

[Sadhan Gope](#) - INDIA

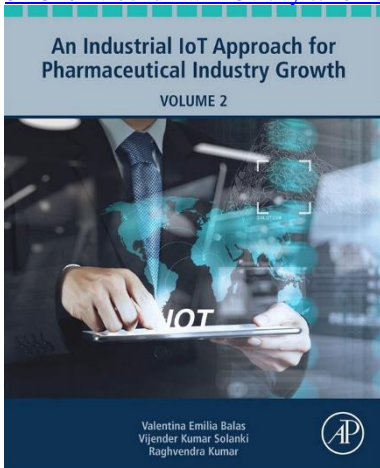
Springer, <https://www.springer.com/gp/book/9783030423629#aboutBook>



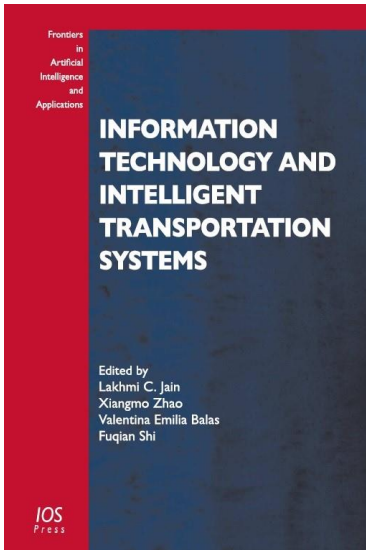
**32. An Industrial IoT Approach for Pharmaceutical Industry Growth, vol. 2**

Editors: [Valentina Emilia Balas](#), Vijender Kumar Solanki, [Dr-Raghvendra Kumar Agrawal](#)

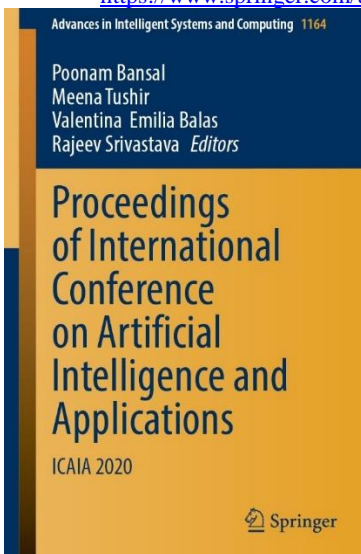
Elsevier, [https://www.elsevier.com/books/an-industrial-iot-approach-for-pharmaceutical-industry-growth/balas/978-0-12-821326-1?fbclid=IwAR3vi7vyft716FqChChMFv7nC-RG4J\\_d-gM5z4ng4Ehe\\_nkPbLCwmvxQM](https://www.elsevier.com/books/an-industrial-iot-approach-for-pharmaceutical-industry-growth/balas/978-0-12-821326-1?fbclid=IwAR3vi7vyft716FqChChMFv7nC-RG4J_d-gM5z4ng4Ehe_nkPbLCwmvxQM)



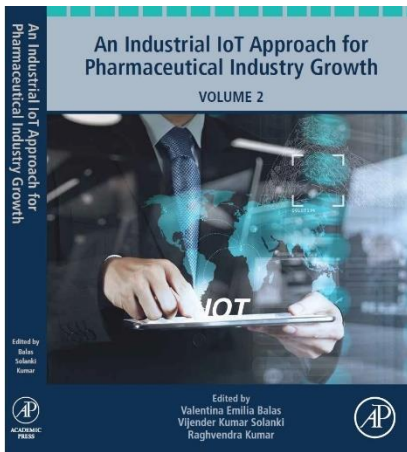
33. A book in IOS Press with papers selected from the 4th International Conference on Information Technology and Intelligent Transportation Systems (ITITS 2019), Xi'an, China.  
<http://ebooks.iospress.nl/ISBN/978-1-64368-061-3>



34. Proceedings of International Conference on Artificial Intelligence and Applications, ICAIA 2020  
Editors: Poonam Bansal - India  
Meena Tushir - India  
[Valentina Emilia Balas](#) - Romania  
Rajeev Srivastava - India  
<https://www.springer.com/us/book/9789811549915>



35. "An Industrial IoT Approach for Pharmaceutical Industry Growth",  
1st Edition, Volume 2  
Editors: [Valentina Emilia Balas](#), Vijender Kumar Solanki, [Dr-Raghvendra Kumar Agrawal](#)  
[https://www.elsevier.com/books/an-industrial-iot-approach-for-pharmaceutical-industry-growth/balas/978-0-12-821326-1?fbclid=IwAR3GIUbKk8eXKA3bGdcWe34HHFarWiUGnvaNITK6-4yWJwvTQCKzMlb\\_IMI](https://www.elsevier.com/books/an-industrial-iot-approach-for-pharmaceutical-industry-growth/balas/978-0-12-821326-1?fbclid=IwAR3GIUbKk8eXKA3bGdcWe34HHFarWiUGnvaNITK6-4yWJwvTQCKzMlb_IMI)

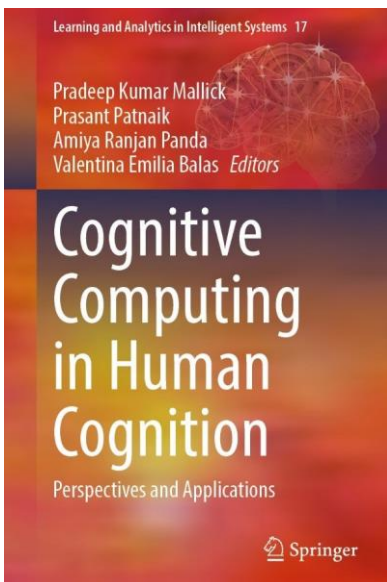


**36. Cognitive Computing in Human Cognition**

Perspectives and Applications

Editors: Pradeep Kumar Mallick, Prasant Patnaik,  
Amiya Ranjan Panda and Valentina Emilia Balas.

<https://www.springer.com/gp/book/9783030481179#aboutBookN>

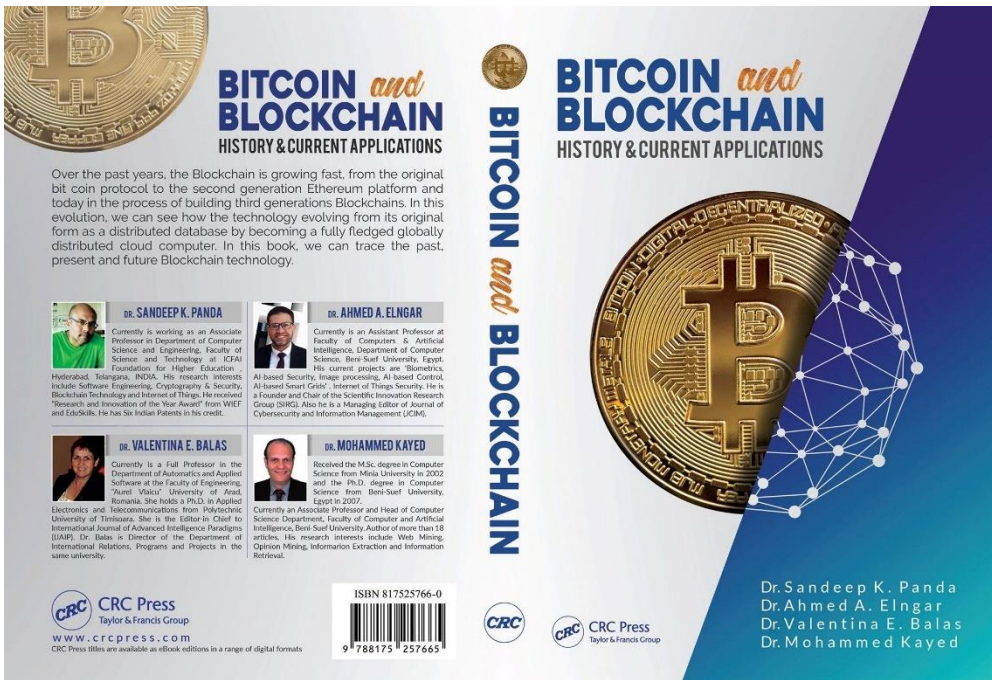


**37. "Bitcoin and Blockchain. History and Current Applications"**

EDITORS: Sandeep Kumar Panda, Ahmed A. Elngar,  
Valentina Emilia Balas and Mohammed Kayed.

[https://www.routledge.com/Bitcoin-and-Blockchain-History-and-Current-Applications/Panda-Elngar-Balas-Kayed/p/book/9780367901004?fbclid=IwAR2NHLzjLCjukXUQOUSoKM0so1gt\\_11oAtmHQkvSTH-efzp5-3C7X-ajlpw](https://www.routledge.com/Bitcoin-and-Blockchain-History-and-Current-Applications/Panda-Elngar-Balas-Kayed/p/book/9780367901004?fbclid=IwAR2NHLzjLCjukXUQOUSoKM0so1gt_11oAtmHQkvSTH-efzp5-3C7X-ajlpw)

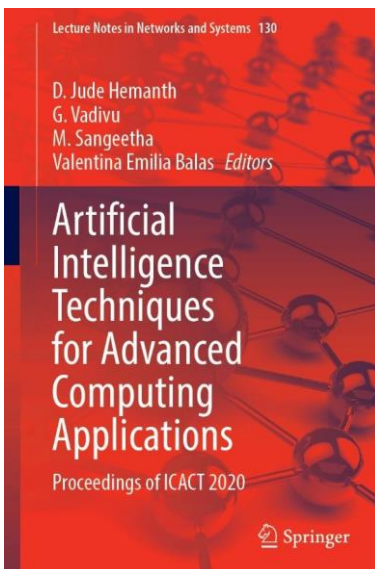




### 38. "Artificial Intelligence Techniques for Advanced Computing Applications"

Editors: Jude Hemanth, G. Vadivu, M. Sangeetha, Valentina Emilia Balas, with high-quality research papers presented at the International Conference on Advanced Computing Technology (ICACT 2020), held at the SRM Institute of Science and Technology, Chennai, India, on 23–24 January 2020.

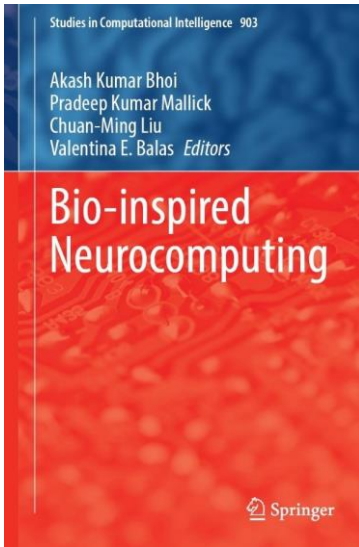
<https://www.springer.com/gp/book/9789811553288#aboutBook>



### 39. "Bio-inspired Neurocomputing"

Editors: Akash Kumar Bhoi, Pradeep Kumar Mallick, Chuan-Ming Liu, Valentina Emilia Balas.

<https://www.springer.com/gp/book/9789811554940#>



**40.** Book title : "Sensor Network Methodologies for Smart Applications".

- DOI: 10.4018/978-1-7998-4381-8

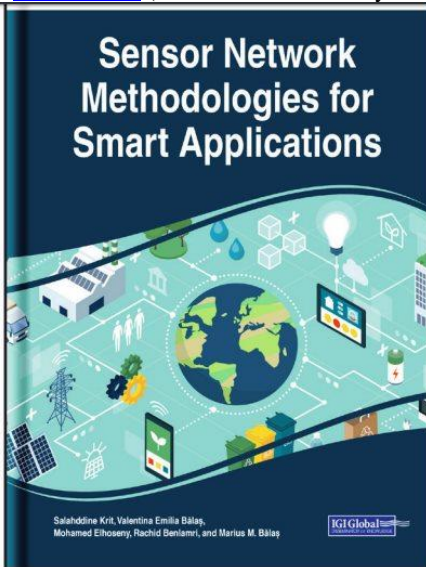
- ISBN: 9781799843818

- 300 Pages -

[https://www.igi-global.com/book/sensor-network-methodologies-smart-applications/244438?fbclid=IwAR2aHaS6aJKx5g9qt7ViedRk2Tt2uLzxDRtHSqIEQ0\\_nMqbnY9txvawioIw](https://www.igi-global.com/book/sensor-network-methodologies-smart-applications/244438?fbclid=IwAR2aHaS6aJKx5g9qt7ViedRk2Tt2uLzxDRtHSqIEQ0_nMqbnY9txvawioIw)

Edited by:

- Salahddine Krit (Ibn Zohr University, Morocco),
- [Valentina Emilia Balas](#) (Aurel Vlaicu University of Arad, Romania),
- [Mohamed Elhoseny](#) (Mansoura University, Egypt),
- Rachid Benlamri (Lakehead University, Canada)
- [Marius Balas](#) (Aurel Vlaicu University of Arad, Romania)



**41.** "Intelligent Computing and Networking  
Proceedings of IC-ICN 2020"

Editors:

[Valentina Emilia Balas](#), ROMANIA

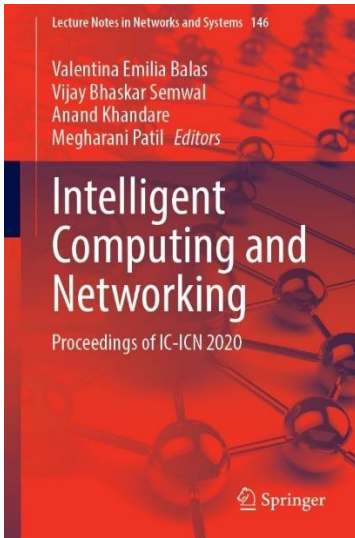
[Vijay Bhaskar Semwal](#), INDIA

Anand Khandare, INDIA

Megharani Patil, INDIA

<https://www.springer.com/us/book/9789811574207>





42. Book in Springer: "Recent Developments and the New Direction in Soft-Computing Foundations and Applications. Selected Papers from the 7th World Conference on Soft Computing, May 29–31, 2018, Baku, Azerbaijan".

Editors:

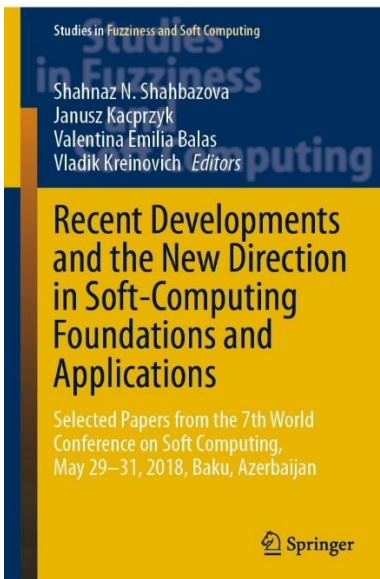
Shahnaz N. Shahbazova, AZERBAIJAN

[Janusz Kacprzyk](#), POLAND

[Valentina Emilia Balas](#), ROMANIA

[Vladik Kreinovich](#), USA

<https://rd.springer.com/book/10.1007/978-3-030-47124-8>



43. Advances in Systems, Control and Automations  
Select Proceedings of ETAEERE 2020

**Editors:** Akash Kumar Bhoi, Pradeep Kumar Mallik, Valentina Emilia Balas, Bhabani Shankar Prasad Mishra

<https://www.springer.com/gp/book/9789811586842>

Lecture Notes in Electrical Engineering 708

Akash Kumar Bhoi  
Pradeep Kumar Mallick  
Valentina Emilia Balas  
Bhabani Shankar Prasad Mishra *Editors*

# Advances in Systems, Control and Automations

Select Proceedings of ETAEERE 2020

*Second Edition*

 Springer

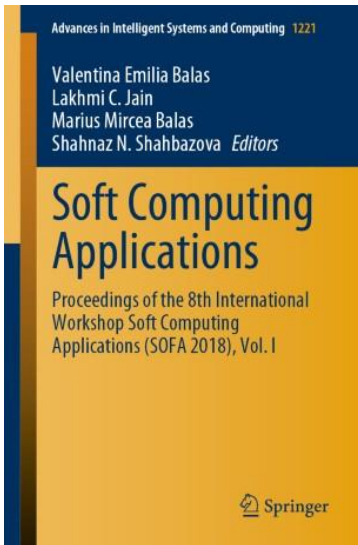
#### 44. Soft Computing Applications

*Proceedings of the 8th International Workshop Soft Computing Applications (SOFA 2018), Vol. I*

<https://rd.springer.com/book/10.1007/978-3-030-51992-6> *Proceedings of the 8th International Workshop Soft Computing Applications (SOFA 2018), Vol. I*

**Editors:** Valentina Emilia Balas, Lakhmi C. Jain, Marius Mircea Balas, Shahnaz N. Shahbazova  
Conference proceedings **SOFA 2018**

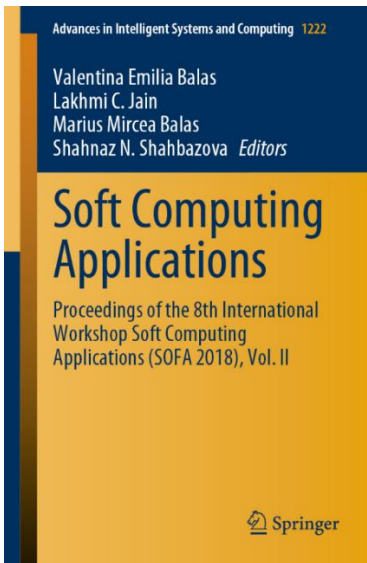
Part of the [Advances in Intelligent Systems and Computing](#) book series (AISC, volume 1221)



#### 45. Soft Computing Applications

**Proceedings of the 8th International Workshop Soft Computing Applications (SOFA 2018), Vol. II**

<https://www.springer.com/gp/book/9783030521899>



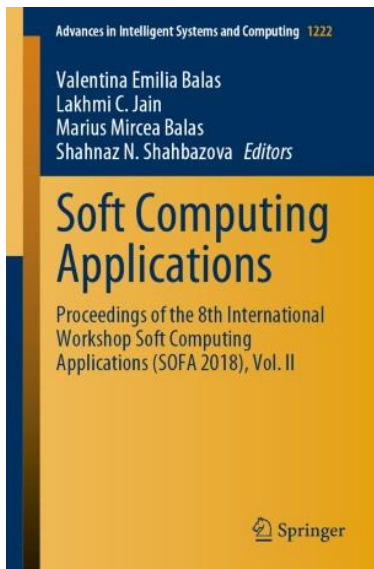
**46.** Proceedings of the 8th International Workshop Soft Computing Applications (SOFA 2018), Vol. II

<https://rd.springer.com/book/10.1007/978-3-030-52190-5>

Editors: Valentina Emilia Balas, Lakhmi C. Jain, Marius Mircea Balas, Shahnaz N. Shahbazova

Conference proceedings **SOFA 2018**

Part of the [Advances in Intelligent Systems and Computing](#) book series (AISC, volume 1222)



**47. August 2020**

<https://rd.springer.com/book/10.1007/978-981-15-5616-6>

**Data Management, Analytics and Innovation**

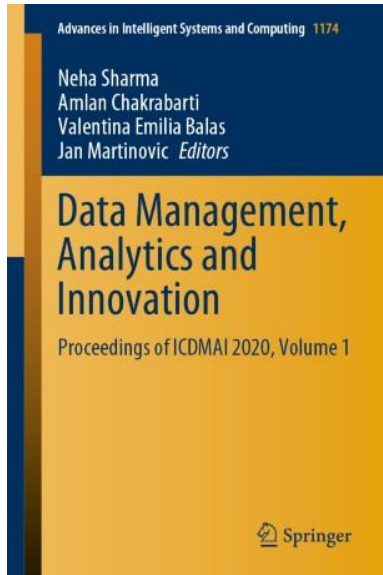
**Proceedings of ICDMAI 2020, Volume 1**

**Editors:** Neha Sharma, Amlan Chakrabarti, Valentina Emilia Balas, Jan Martinovic

Conference proceedings

Part of the [Advances in Intelligent Systems and Computing](#) book series (AISC, volume 1174)

<https://www.springer.com/gp/book/9789811556159>



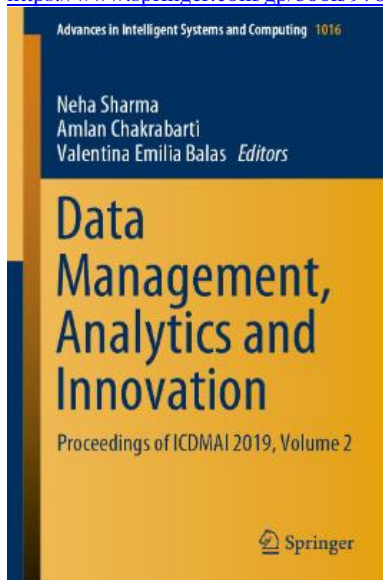
**48. Data Management, Analytics and Innovation**

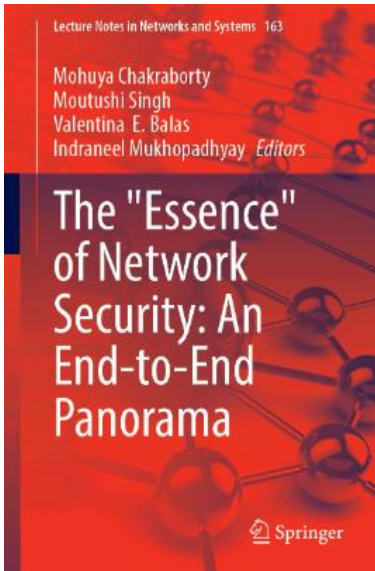
**Proceedings of ICDMAI 2020, Volume 2**

**Editors:** Neha Sharma, Amlan Chakrabarti, Valentina Emilia Balas, Jan Martinovic

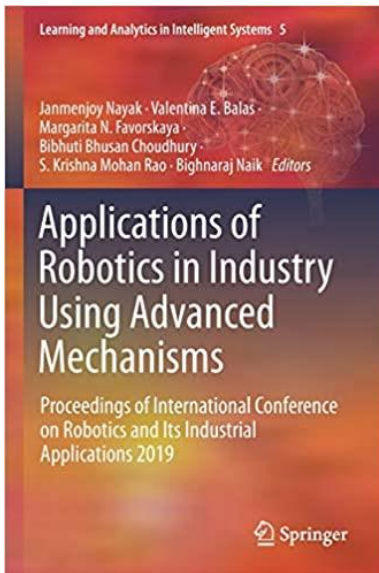
Conference proceedings

<https://www.springer.com/gp/book/9789811393631>

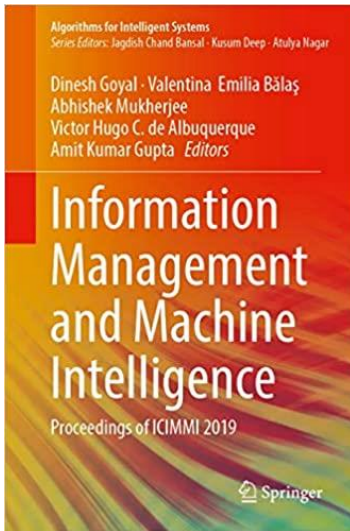




**49.** Engineering: Communications Engineering, Networks  
Chakraborty, M., Singh, M., Balas, V.E., Mukhopadhyay, I. (Eds.)  
The "Essence" of Network Security: An End-to-End Panorama  
ISBN 978-981-15-9317-8  
<https://www.springer.com/gp/book/9789811593161>



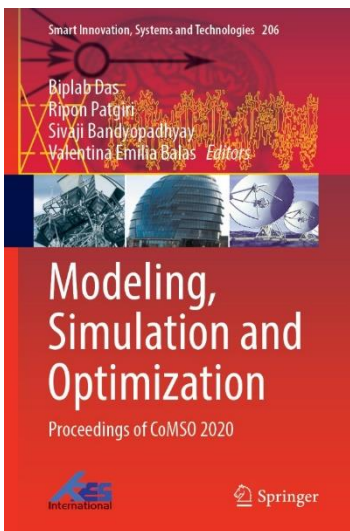
**50.** **Applications of Robotics in Industry Using Advanced Mechanisms: Proceedings of International Conference on Robotics and Its Industrial Applications 2019 (Learning and Analytics in Intelligent Systems) Paperback – 5 September 2020**  
by [Janmenjoy Nayak](#) (Editor), [Valentina E. Balas](#) (Editor), [Margarita N. Favorskaya](#) (Editor), [Bibhuti Bhusan Choudhury](#) (Editor), [S. Krishna Mohan Rao](#) (Editor), [Bighnaraj Naik](#) (Editor)  
<https://link.springer.com/book/10.1007%2F978-3-030-30271-9>



**51. Information Management and Machine Intelligence: Proceedings of ICIMMI 2019 (Algorithms for Intelligent Systems) Hardcover – Import, 3 December 2020**

by [Dinesh Goyal](#) (Editor), [Valentina Emilia Bălaș](#) (Editor), [Abhishek Mukherjee](#) (Editor), [Victor Hugo C. de Albuquerque](#) (Editor), [Amit Kumar Gupta](#) (Editor)

<https://www.amazon.co.uk/Information-Management-Machine-Intelligence-Proceedings-ebook/dp/B08JCH5N6W>

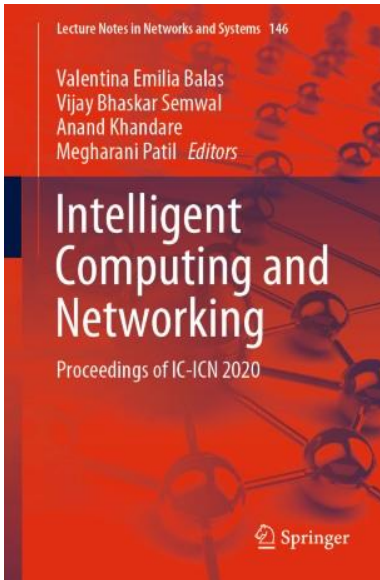


**Modeling, Simulation and Optimization, Proceedings of CoMSO 2020**

Editors: **Das, B., Patgiri, R., Bandyopadhyay, S., Balas, V.E.** (Eds.)

<https://www.springer.com/gp/book/9789811598289>





**52. Intelligent Computing and Networking, Proceedings of IC-ICN 2020**

- Editors
- Valentina Emilia Balas
- Vijay Bhaskar Semwal
- Anand Khandare
- Megharani Patil

Part of the [Lecture Notes in Networks and Systems](#) book series (LNNS, volume 146)  
<https://www.springer.com/gp/book/9789811574207>



**15. Proceedings of International Conference on Sustainable Expert Systems, ICSES 2020**

Editors: **Shakya, S., Balas, V.E., Wang, H., Baig, Z.** (Eds.)

[Lecture Notes in Networks and Systems](#)

<https://www.amazon.com/Proceedings-International-Conference-Sustainable-Systems/dp/9813343540>



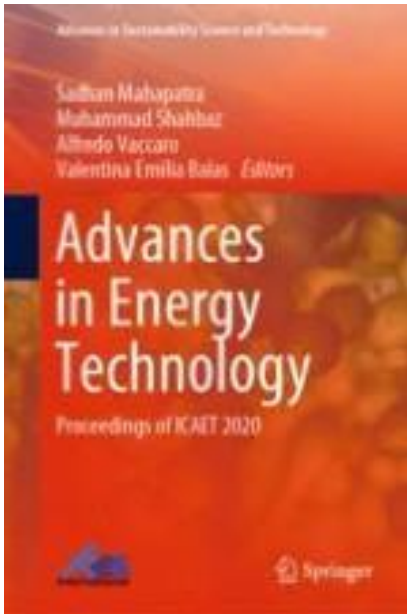
**53. Engineering Computational Intelligence and Complexity**

[Lecture Notes on Data Engineering and Communications Technologies](#)

**Proceedings of International Conference on Computational Intelligence, Data Science and Cloud Computing, IEM-ICDC 2020**

Editors: **Balas, V.E., Hassanien, A.E., Chakrabarti, S., Mandal, D.L.** (Eds.)

<https://www.springer.com/gp/book/9789813349674>



**54. Advances in Energy Technology, Proceedings of ICAET 2020**

[Advances in Sustainability Science and Technology](#)

Herausgeber: Dr. Sadhan Mahapatra, Dr. Muhammad Shahbaz, Dr. Alfredo Vaccaro, Dr. Valentina Emilia Balas

Verlag: Springer Singapore

Print ISBN: 978-981-15-8699-6

Electronic ISBN: 978-981-15-8700-9

<https://www.springer.com/gp/book/9789811586996>

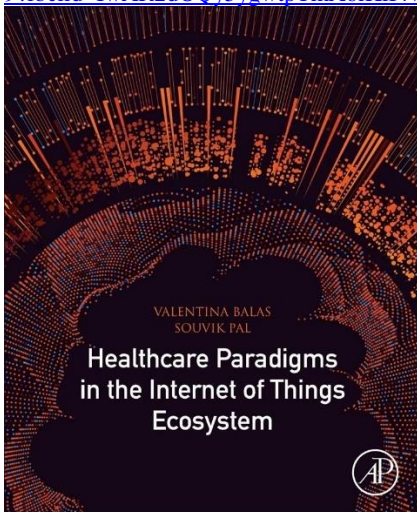
**55. "Healthcare Paradigms in the Internet of Things Ecosystem", Elsevier**

Editors:

Valentina E. Balas - ROMANIA

Souvik Pal - INDIA

<https://www.elsevier.com/books/healthcare-paradigms-in-the-internet-of-things-ecosystem/balas/978-0-12-819664-9?fbclid=IwAR2dOQy5yewtpTmA6iKII4vW7ZdKnKsIvKHFmpHYOtMUIp2JiYfSc-3yXMM>



**56. Handbook of Deep Learning in Biomedical Engineering,**

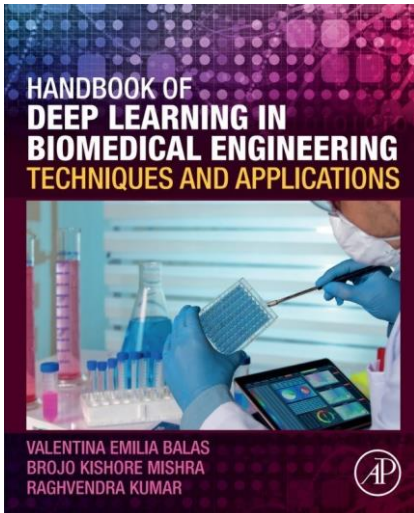
Techniques and Applications

Editors: Valentina Emilia Balas - ROMANIA

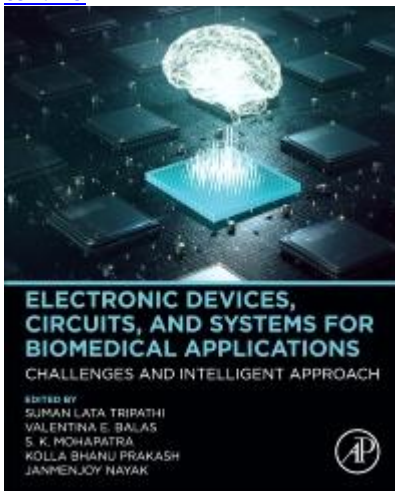
Brojo Kishore Mishra - INDIA

Raghendra Kumar – INDIA

<https://www.elsevier.com/books/handbook-of-deep-learning-in-biomedical-engineering/balas/978-0-12-823014-5>



**57.** Electronic Devices, Circuits, and Systems for Biomedical Applications. Challenges and Intelligent Approach  
 Editors: Suman Lata, Valentina E. Balas, Tripathi Kolla Prakash,  
 S.K. Mohapatra, Janmenjoy Nayak  
<https://www.elsevier.com/books/electronic-devices-circuits-and-systems-for-biomedical-applications/tripathi/978-0-323-85172-5>



## ISI Journals

1. *SDN based communications privacy-preserving architecture for VANETs using fog computing.*  
 Arif Muhammad, Wang Guojun, Balas Valentina Emilia, Geman Oana, Castiglione Aniello, Chen Jianer, *VEHICULAR COMMUNICATIONS*, Volume: 26, Article Number: 100265  
 DOI: 10.1016/j.vehcom.2020.100265, Published: DEC 2020, ISSN: 2214-2096  
 Accession Number: WOS:000599317700011  
**IF=4,706 Q1**
2. *Adaptive Takagi-Sugeno Fuzzy Model Predictive Control for Permanent Magnet Synchronous Generator-Based Hydrokinetic Turbine Systems*  
 Lin Yu-Chen, Balas Valentina Emilia, Yang Ji-Fan, Chang Yu-Heng  
*ENERGIES*, Volume: 13, Issue: 20, Article Number: 5296, DOI: 10.3390/en13205296  
 Published: OCT 2020, eISSN: 1996-1073  
 Accession Number: WOS:000585133800001  
**IF=2,703 Q3**
3. *Simulation, Analysis, and Characterization of Calcium-Doped ZnO Nanostructures for Dye-Sensitized Solar Cells*  
 Tayyaba Shahzadi, Ashraf Muhammad Waseem, Tariq Muhammad Imran, Akhlaq Maham, Balas Valentina Emilia, Wang Ning, Balas Marius M.  
*ENERGIES*, Volume: 13, Issue: 18, Article Number: 4863, DOI: 10.3390/en13184863  
 Published: SEP 2020, eISSN: 1996-1073  
 Accession Number: WOS:000580683100001  
**IF=2,703 Q3**

4. *A Novel Fuzzy Scoring Approach of Behavioural Interviews in Personnel Selection*

Rad Dana, Balas Valentina E.

BRAIN-BROAD RESEARCH IN ARTIFICIAL INTELLIGENCE AND NEUROSCIENCE

Volume: 11, Issue: 2, Pages: 178-188, DOI: 10.18662/brain/11.2/81

Published: JUN 2020, ISSN: 2067-3957

Accession Number: WOS:000591531000011

**0 ESCI**

5. *Active Control Parameters Monitoring for Freight Trains, Using Wireless Sensor Network Platform and Internet of Things*

Brezulianu Adrian, Aghion Cristian, Hagan Marius, Geman Oana, Chiuchisan Iuliana, Balan Alexandra-Ligia, Balan Doru-Gabriel, Balas, Valentina Emilia

PROCESSES, Volume: 8, Issue: 6, Article Number: 639, DOI: 10.3390/pr8060639

Published: JUN 2020, eISSN: 2227-9717

Accession Number: WOS:000551224100001

**IF=2,753 Q2**

6. *Statistical Properties of a New Social Media Context Awareness Scale (SMCA)-A Preliminary Investigation*

Rad Dana, Balas Valentina, Lile Ramona, Demeter Edgar, Dughi Tiberiu, Rad Gavril

SUSTAINABILITY, Volume: 12, Issue: 12, Article Number: 5201, DOI: 10.3390/su12125201

Published: JUN 2020, eISSN: 2071-1050

Accession Number: WOS:000550357000001

**IF=2,576 Q2**

7. *A Review of Control-Oriented Bioelectrochemical Mathematical Models of Microbial Fuel Cells*

Deb Dipankar, Patel Ravi, Balas Valentina E.

PROCESSES, Volume: 8, Issue: 5, Article Number: 583, DOI: 10.3390/pr8050583

Published: MAY 2020, Document Type:Review, eISSN: 2227-9717

Accession Number: WOS:000541752600047

**IF=2,753 Q2**

8. *SDN-based VANETs, Security Attacks, Applications, and Challenges*

Arif Muhammad, Wang Guojun, Geman Oana, Balas Valentina Emilia, Tao Peng, Brezulianu Adrian, Chen Jianer

APPLIED SCIENCES-BASEL, Volume: 10, Issue: 9, Article Number: 3217, DOI: 10.3390/app10093217

Published: MAY 2020, Document Type:Review, eISSN: 2076-3417

Accession Number: WOS:000535541900230

**IF=2,474 Q2**

9. *Prioritization of Information Security Controls through Fuzzy AHP for Cloud Computing Networks and Wireless Sensor Networks*

Tariq Muhammad Imran, Ahmed Shakeel, Memon Nisar Ahmed, Tayyaba Shahzadi, Ashraf Muhammad Waseem, Nazir Mohsin, Hussain Akhtar, Balas Valentina Emilia, Balas Marius M.

SENSORS, Volume: 20, Issue: 5, Article Number: 1310, DOI: 10.3390/s20051310

Published: MAR 2020, Document Type:Article, eISSN: 1424-8220

Accession Number: WOS:000525271500072

**IF=3,275 Q1**

10. *A New Single-Phase Direct Frequency Controller Having Reduced Switching Count without Zero-Crossing Detector for Induction Heating System*

Ashraf Naveed, Izhar Tahir, Abbas Ghulam, Awan Ahmed Bilal, Alghamdi Ali S., Abo-Khalil Ahmed G., Sayed Khairy, Farooq Umar, Balas Valentina E.

ELECTRONICS, Volume: 9, Issue: 3, Article Number: 430, DOI: 10.3390/electronics9030430

Published: MAR 2020, Document Type:Article, eISSN: 2079-9292

Accession Number: WOS:000524079100051

**IF=2,412 Q2**

11. *Performance optimisation for closed loop control strategies towards simplified model of a PMSM drive by comparing with different classical and fuzzy intelligent controllers.*

Sain Chiranjit, Banerjee Atanu, Biswas Pabitra Kumar, Balas Valentina Emilia

INTERNATIONAL JOURNAL OF AUTOMATION AND CONTROL, Volume: 14, Issue: 4

Pages: 469-493, Published: 2020, Document Type:Article, ISSN: 1740-7516, eISSN: 1740-7524

Accession Number: WOS:000551978000005

**0 ESCI**

12. *Fault tolerance of neural networks in adversarial settings*

Duddu Vasisht, Pillai N. Rajesh, Rao D. Vijay, Balas Valentina E.

JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, Volume: 38, Issue: 5, Pages: 5897-5907

DOI: 10.3233/JIFS-179677, Published: 2020, Document Type:Article, ISSN: 1064-1246, eISSN: 1875-8967

Accession Number: WOS:000541708200054

**IF=1,851 Q3**

13. *Adaptive prediction-based control for an ecological cruise control system on curved and hilly roads*

Lin Yu-Chen, Ha Ly Thi Nguyen, Balas Valentina Emilia, Lin Tsung-Chih, Kuo I-Chun  
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, Volume: 38, Issue: 5, Pages: 6129-6144  
DOI: 10.3233/JIFS-179696, Published: 2020, Document Type: Article, ISSN: 1064-1246, eISSN: 1875-8967  
Accession Number: WOS:000541708200073

**IF=1,851 Q3**

14. *Optimization of communication in VANETs using fuzzy logic and artificial Bee colony*

Arif Muhammad, Wang Guojun, Peng Tao, Balas Valentina Emilia, Geman Oana, Chen Jianer  
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, Volume: 38, Issue: 5, Pages: 6145-6157, DOI: 10.3233/JIFS-179697  
Published: 2020, Document Type: Article, ISSN: 1064-1246, eISSN: 1875-8967  
Accession Number: WOS:000541708200074

**IF=1,851 Q3**

15. A New Single-Phase AC Voltage Converter With Voltage Buck Characteristics for Grid Voltage Compensation

Ashraf Naveed, Izhar Tahir, Abbas Ghulam, Awan Ahmed Bilal, Farooq Umar, Balas Valentina E.  
IEEE ACCESS, Volume: 8, Pages: 48886-48903, DOI: 10.1109/ACCESS.2020.2979506  
Published: 2020, Document Type: Article, Accession Number: WOS:000524728000003  
ISSN: 2169-3536

16. Adaptive Backstepping Nonsingular Fast Terminal Sliding Mode Control for Hydro-Turbine Governor Design

Lin Yu-Chen, Balas Valentina Emilia, Balas Marius Mircea, Peng Jian-Zhang  
ENERGIES, Volume: 13, Issue: 1, Article Number: 126, DOI: 10.3390/en13010126  
Published: JAN 2020, Document Type: Article, eISSN: 1996-1073  
Accession Number: WOS:000520425800126

17. Volumetric Estimation of the Damaged Area in the Human Brain from 2D MR Image

Srinivasu P. Naga, Rao T. Srinivasa, Balas Valentina Emilia  
INTERNATIONAL JOURNAL OF INFORMATION SYSTEM MODELING AND DESIGN, Volume: 11, Issue: 1  
Pages: 74-92, Special Issue: SI, DOI: 10.4018/IJISMD.2020010105, Published: JAN-MAR 2020  
Document Type: Article, ISSN: 1947-8186, eISSN: 1947-8194  
Accession Number: WOS:000518413300006

18. [Computational human performance modelling for human-in-the-Loop machine systems](#)

[Kolivand, H.](#), [Balas, V.E.](#), [Paul, A.](#), [Ramachandran, V.](#)  
Journal of Intelligent and Fuzzy Systems, 2020, 39(4), pp. 5349–5357, ISSN: 1064-1246, eISSN: 1875-8967

19. [An enhanced state convergence architecture incorporating disturbance observer for bilateral teleoperation systems](#)

Asad, Muhammad Usman; Farooq; Gu, Jason; Balas, Valentina E.; Abbas, Ghulam; Balas, Marius ; Muresan, Vlad  
[INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS](#) Volume: 16 Issue: 5  
2019  
**1,224 – Q4**

20. [A composite state convergence scheme for bilateral teleoperation systems](#)

Asad, Muhammad Usman; Farooq, Umar; Gu, Jason; Abbas, Ghulam; Liu, Rong; Balas, Valentina E.  
IEEE-CAA JOURNAL OF AUTOMATICA SINICA Volume: 6 Issue: 5 Pages: 1166-1178 Published: SEP 2019  
**IF=0**

21. [Design of Three Phase Solid State Transformer Deployed within Multi-Stage Power Switching Converters](#)

Tahir, Umair; Abbas, Ghulam; Glavan, Dan Ovidiu; Balas, Valentina E.; Farooq, Umar; Balas, Marius M.; Raza, Ali; Asad, Muhammad Usman ; Gu, Jason  
[APPLIED SCIENCES-BASEL](#) Volume: 9 Issue: 17 Article Number: 3545  
2019  
**2,217 – Q2**

22. [On Lifetime Enhancement of Super Nodes based Wireless Sensor Networks by using Sine Cosine Algorithm](#)

[Pandey, Ashish](#); [Rajan, Abhishek](#); [Nandi, Arnab](#); Valentina E. Balas  
[JOURNAL OF INFORMATION SCIENCE AND ENGINEERING](#) Volume: 35 Issue: 5 Special Issue: SI Pages: 1147-1159  
2019  
**0,525 – Q4**

23. [Derivative-Free Direct Search Optimization Method for Enhancing Performance of Analytical Design Approach-Based Digital Controller for Switching Regulator](#)

[Abbas, Ghulam](#); [Nazeer, Muhammad Qumar](#); [Balas, Valentina E.](#); [Lin, TC](#); [Balas, MM](#); [Asad, MU](#) ; [Raza, A](#); [Shehzad, MN](#); [Farooq, U](#); [Gu, J](#)  
[ENERGIES](#) Volume: 12 Issue: 11  
2019  
**2,707 – Q3**



24. [A Single-Phase Buck and Boost AC-to-AC Converter with Bipolar Voltage Gain: Analysis, Design, and Implementation](#)

Ashraf, Naveed; Izhar, Tahir; Abbas, Ghulam; Balas, Valentina E.; Balas, Marius M.; Lin, Tsung-Chih; Asad, Muhammad Usman; Farooq, Umar; Gu, Jason

[ENERGIES](#) Volume: 12 Issue: 7  
2019

**2,707 – Q3**

25. Dhiman, Harsh S. ; Deb, Dipankar ; Muresan, Vlad ; Balas, Valentina E., *Wake Management in Wind Farms: An Adaptive Control Approach*, [ENERGIES](#), Volume: 12, Issue: 7

Article Number: 1247

DOI: 10.3390/en12071247

Published: APR 1 2019

**Q3, IF = 2,707**

26. Jagatheesan, K.; Anand, B.; Samanta, Sourav; Dey, Nilanjan; Ashour, Amira S.; Balas, Valentina E., *Design of a Proportional-Integral-Derivative Controller for an Automatic Generation Control of Multi-area Power Thermal Systems Using Firefly Algorithm*, [IEEE-CAA JOURNAL OF AUTOMATICA SINICA](#), Volume: 6, Issue: 2

Pages: 503-515

DOI: 10.1109/JAS.2017.7510436

2019

**ESCI, IF=0**

27. Farooq, Umar; Gu, Jason; Balas, Valentina E.; Abbas, Ghulam; Asad, Muhammad Usman; Balas, Marius M., *A Hybrid Time Series Forecasting Model for Disturbance Storm Time Index using a Competitive Brain Emotional Neural Network and Neo-Fuzzy Neurons*, [ACTA POLYTECHNICA HUNGARICA](#), Volume: 16, Issue: 4, Pages: 213-229

DOI: 10.12700/APH.16.4.2019.4.11

2019

**Q3, IF = 1,286**

28. [Optimized Digital Controllers for Switching-Mode DC-DC Step-Down Converter](#)

G Abbas, J Gu, U Farooq, M Abid, A Raza, M Asad, V Balas, M Balas

Electronics

7 (12), 412

2018

**2,11 – Q2**

29. [Visual analysis of geospatial habitat suitability model based on inverse distance weighting with paired comparison analysis](#)

R Varatharajan, G Manogaran, MK Priyan, VE Balas, C Barna

[MULTIMEDIA TOOLS AND APPLICATIONS](#)

Volume: 77 Issue: 14 Pages: 17573-17593

2018

**1,541-Q2**

30. [Secure VANETs: Trusted Communication Scheme between Vehicles and Infrastructure Based on Fog Computing](#)

[Arif, Muhammad; Wang, Guojun; Balas, Valentina Emilia](#)

[STUDIES IN INFORMATICS AND CONTROL](#)

Volume: 27 Issue: 2 Pages: 235-246

2018

**1,02-Q4**

31. [Image feature-based affective retrieval employing improved parameter and structure identification of adaptive neuro-fuzzy inference system](#)

Dan Wang, Ting He, Zairan Li, Luying Cao, Nilanjan Dey, Amira S Ashour, Valentina E Balas, Pamela McCauley, Yezhi Lin, Jiang Xu, Fuqian Shi

[NEURAL COMPUTING & APPLICATIONS](#)

Volume: 29 Issue: 4 Pages: 1087-1102

2018

**4,215-Q1**

32. Estimating heating load in buildings using multivariate adaptive regression splines, extreme learning machine, a hybrid model of MARS and ELM

[Roy, Sanjiban Sekhar; Roy, Reetika; Balas, Valentina E.](#)

[RENEWABLE & SUSTAINABLE ENERGY REVIEWS](#)

Volume: 82 Pages: 4256-4268 Part: 3

2018

**9,184-Q1**



33. [Design of a Single-Master/Multi-Slave Nonlinear Teleoperation System through State Convergence with Time Varying Delays](#)

Farooq, Umar, Asad, Muhammad Usman, Gu, Jason, Abbas, Ghulam, Balas, Valentina E., Balas, Marius M.

[ACTA POLYTECHNICA HUNGARICA](#)

Volume: 15 Issue: 8 Pages: 55-82

Published: 2018

**0,909-Q3**

34. State Convergence-based Control of a Multi-Master-Single-Slave Non-linear Teleoperation System

Umar Farooq, Jason Gu, Mohamed El-Hawary, Valentina E Balas, Marius M Balas, Ghulam Abbas, Muhammad Usman Asad, Jun Luo

[ACTA POLYTECHNICA HUNGARICA](#)

Volume: 15 Issue: 4 Pages: 7-26

2018

**0,909-Q3**

35. [Load frequency control of multi-area interconnected thermal power system: artificial intelligence-based approach](#)

K Jagatheesan, B Anand, N Dey, AS Ashour, VE Balas

[International Journal of Automation and Control](#)

12 (1), 126-152

2018

**ESCI**

36. [Application of flower pollination algorithm in load frequency control of multi-area interconnected power system with nonlinearity](#), [NEURAL COMPUTING & APPLICATIONS](#)

Jagatheesan, K.; Anand, B.; Samanta, Sourav; Dey, Nilanjan; Santhi, V.; Ashour, Amira S.; Balas, Valentina E.

[NEURAL COMPUTING & APPLICATIONS](#)

Volume: 28 Supplement: 1 Pages: S475-S488

2017

**4,215-Q1**

37. [Optimization of 5.5-GHz CMOS LNA parameters using firefly algorithm](#), [NEURAL COMPUTING & APPLICATIONS](#)

Kumar, Ram; Rajan, Abhishek; Talukdar, Fazal A.; Dey, Nilanjan; Santhi, V.; Balas, Valentina E.

[NEURAL COMPUTING & APPLICATIONS](#)

Volume: 28 Issue: 12 Pages: 3765-3779

2017

**4,215-Q1**

38. A new clustering protocol for energy harvesting-wireless sensor networks

Bozorgi, Seyed Mostafa; Rostami, Ali Shokouhi-Hosseinabadi, Ali Asghar Rahmani, Balas, Valentina Emilia

[COMPUTERS & ELECTRICAL ENGINEERING](#)

Volume: 64, Pages: 233-247

2017

**1,747-Q2**

39. [Improved Energy Detector for Spectrum Sensing Using Neuro-Fuzzy Double Threshold Technique](#)

Dey, Barnali; Hossain, Ashraf; Balas, Valentina. E.; Bera, R. N.

[Studies in Informatics and Control](#)

Volume: 26 Issue: 3 Pages: 335-342

2017

**1,02-Q4**

40. [Particle swarm optimization trained neural network for structural failure prediction of multistoried RC buildings](#)

Chatterjee, Sankhadeep; Sarkar, Sarbartha; Hore, Sirshendu; Dey, Nilanjan; Ashour, Amira S.; Balas, Valentina E.,

[NEURAL COMPUTING & APPLICATIONS](#)

Volume: 28 Issue: 8 Pages: 2005-2016

2017

**4,215-Q1**

41. [Convolutional Neural Network Based Clustering and Manifold Learning Method for Diabetic Plantar Pressure Imaging Dataset](#)

Li, Zairan; Dey, Nilanjan; Ashour, Amira S.; Cao, Luying; Wang, Yu; Wang, Dan; McCauley, Pamela; Balas, Valentina E.;

Shi, Kai; Shi, Fuqian

[JOURNAL OF MEDICAL IMAGING AND HEALTH INFORMATICS](#)

Volume: 7 Issue: 3 Pages: 639-652

2017

**0,549-Q4**

42. [Nonparametric de-noising filter optimization using structure-based microscopic image classification](#)

Beagum, Samsad; Dey, Nilanjan; Ashour, Amira S.; Sifaki-Pistolla, Dimitra; Balas, Valentina E.

[MICROSCOPY RESEARCH AND TECHNIQUE](#)

Volume: 80 Issue: 4 Pages: 419-429

2017

**1,087-Q3**

43. [Image Fusion Incorporating Parameter Estimation Optimized Gaussian Mixture Model and Fuzzy Weighted Evaluation System: A Case Study in Time-Series Plantar Pressure Data Set](#)

Wang, Dan; Li, Zairan; Cao, Luying; Balas, Valentina E.; Dey, Nilanjan; Ashour, Amira S.; McCauley, Pamela; Dimitra, Sifaki-Pistolla; Shi, Fuqian

[IEEE SENSORS JOURNAL](#)

Volume: 17 Issue: 5 Pages: 1407-1420

2017

**2,617**

44. [Rule-based back propagation neural networks for various precision rough set presented KANSEI knowledge prediction: a case study on shoe product form features extraction](#)

Li, Zairan; Shi, Kai; Dey, Nilanjan; Ashour, Amira S.; Wang, Dan; Balas, Valentina E.; McCauley, Pamela; Shi, Fuqian

[NEURAL COMPUTING & APPLICATIONS](#)

Volume: 28 Issue: 3 Pages: 613-630

2017

**4,215-Q1**

45. Fuzzy Model-based Design of a Transparent Controller for a Time Delayed Bilateral Teleoperation System Through State Convergence

Umar Farooq, Jason Gu, Mohamed E. El-Hawary, Valentina E. Balas, Muhammad Usman Asad, Ghulam Abbas

Acta Polytechnica Hungarica

Vol. 14, No. 8, 2017, pag. 7-26

2017

**0,909-Q3**

46. [Stochastic optimal controller design for medium access constrained networked control systems with unknown dynamics](#)

Balasubramanian, Sreram; Srinivasan, Seshadhri; Kebraei, Hamed; Subathra, B.; Balas, Valentina Emilia; Glielmo, Luigi

INTELLIGENT DECISION TECHNOLOGIES-NETHERLANDS

Volume: 11 Issue: 3 Pages: 253-264

2017

**ESCI**

47. [An optimal vibration control strategy for robust active suspension systems design with actuator delays and uncertainties](#)

By: Lin, Y. C.; Lin, T. C.; Peng, C. K.; Balas V.E.

INTELLIGENT DECISION TECHNOLOGIES-NETHERLANDS

Volume: 11 Issue: 3 Pages: 345-356

Published: 2017

**ESCI**

48. [Optimal Access Class Barring in Machine to Machine Systems with Random Activation Time](#)

Shah-Mansouri, Vahid; Srinivasan, Seshadhri; Balas, Valentina E.

[INFORMATICA](#)

Volume: 28 Issue: 2 Pages: 285-302

2017

**1,386-Q2**

49. [AGC of multi-area interconnected power systems by considering different cost functions and Ant Colony Optimization technique based PID controller](#)

Jagatheesan, K.; Anand, B.; Dey, Nilanjan; Omar, M., Balas, Valentina E.

INTELLIGENT DECISION TECHNOLOGIES-NETHERLANDS

Volume: 11 Issue: 1, Pages: 29-38

2017

**ESCI**

50. [FbMapping: AN AUTOMATED SYSTEM FOR MONITORING FACEBOOK DATA](#)

Kamal, S.; Dey, N.; Ashour, A. S.; Ripon, S.; Balas, V. E.; Kaysar, M. S.

[NEURAL NETWORK WORLD](#)

Volume: 27 Issue: 1 Special Issue: SI Pages: 27-57

2017

**0,5-Q1**

51. [Effect of fuzzy partitioning in Crohn's disease classification: a neuro-fuzzy-based approach](#)

Ahmed, Sk. Saddam; Dey, Nilanjan; Ashour, Amira S.; Sifaki-Pistolla, Dimitra; Balas-Timar, Dana; Balas, Valentina E.; Tavares, Joao Manuel R. S.

[MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING](#)

Volume: 55 Issue: 1 Pages: 101-115

2017

**1,971-Q2**

52. [An optimal vibration control strategy for robust active suspension systems design with actuator delays and uncertainties](#)

Lin, Y. C.; Lin, T. C.; Peng, C. K.; Balas, V. E.

INTELLIGENT DECISION TECHNOLOGIES-NETHERLANDS

Volume: 11 Issue: 3 Pages: 345-356

2017

**ESCI**

53. [Fast and accurate fuzzy C-means algorithm for MR brain image segmentation](#)

Hemanth, D. Jude; Anitha, J.; Balas, Valentina Emilia

INTERNATIONAL JOURNAL OF IMAGING SYSTEMS AND TECHNOLOGY

Volume: 26, Issue: 3, 2016, Pages: 188-195

2016

**1,423-Q3**

54. [Neural-based prediction of structural failure of multistoried RC buildings](#)

Hore, Sirshendu; Chatterjee, Sankhadeep; Sarkar, Sarbartha; Dey, Nilanjan; Ashour, Amira S.; Balas-Timar, Dana; Balas, Valentina E.

STRUCTURAL ENGINEERING AND MECHANICS

Volume: 58, Issue: 3, 2016, Pages: 459-473

2016

**2,191-Q2**

55. Generalized Predictive Controller for Ball Mill Grinding Circuit in the Presence of Feed-grindability Variations

Venkatesh, Sivanandam; Ramkumar, Kannan; Guruprasath, Muralidharan; Srinivasan, Seshadhri; Balas, Valentina E

STUDIES IN INFORMATICS AND CONTROL

Volume: 25, Issue: 1, 2016, Pages: 29-38

2016

**1,02-Q4**

56. Curvature manipulation of the spectrum of Valence-Arousal-related fMRI dataset using Gaussian-shaped Fast Fourier Transform and its application to fuzzy KANSEI adjectives modeling

He, Ting; Cao, Luyin; Balas, Valentina E.; McCauley, Pamela; Shi, Fuqian

NEUROCOMPUTING

Volume: 174, 2016, Pages: 1049-1059, Part: B

2016

**3,241-Q1**

57. Modeling and optimization of Quality of Service routing in Mobile Ad hoc Networks

Rafsanjani, Marjan Kuchaki, Fatemidokht, Hamideh, Balas, Valentina Emilia

OPEN PHYSICS

Volume: 14

Issue: 1

Pages: 498-507

2016

**0,755-Q4**

58. Stochastic Wheel-Slip Compensation Based Robot Localization and Mapping

Sidharthan, Rakesh Kumar; Kannan, Ramkumar; Srinivasan, Seshadhri; Balas, Valentina Emilia

ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING

Volume: 16, Issue: 2, 2016, Pages: 25-3

2016

**0,699-Q4**

59. Adaptive Model Predictive Controller for Web Transport Systems

Muthukumar, N.; Srinivasan, Seshadhri; Ramkumar, K.; Kannan, K.; Balas, Valentina Emilia

ACTA POLYTECHNICA HUNGARICA

Volume: 13, Issue: 3, 2016, Pages: 181-194

2016

**0,909-Q3**

**58. Tuning Multivariable Decentralized PID Controller Using State Transition Algorithm**

G. Saravanakumar, K. Valarmathi, M. Pallikonda Rajasekaran, Seshadhri Srinivasan, M. Willjuice Iruthayarajan, Valentina E. Balas

**Studies in Informatics and Control**

Volume: 24 Issue: 4 Pages: 367-378

2015

**1,02-Q4**

**59. Grid Color Moment Features in Glaucoma Classification**

Ghosh, Abir, Sarkar, Anurag, Ashour, Amira S., Balas-Timar, Dana, Dey, Nilanjan, Balas, Valentina E.

INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS

Volume: 6

Issue: 9

Pages: 99-107

2015

**ESCI**

**60. Improved Delay-Range-Dependent Stability Analysis of a time-delay system with Norm Bounded Uncertainty**

R Dey, S Ghosh, G Ray, A Rakshit, VE Balas

**ISA Transactions**

Volume: 58

Pages: 50-57

2015

**3,37-Q1**

**61. Performance Improved Modified Fuzzy C-Means Algorithm for Image Segmentation Applications**

D. Jude Hemanth, J. Anitha, Valentina E. Balas

**Informatica Lithuan International Journal**

Volume: 26 Issue: 4 Pages: 635-648

2015

**1,386-Q2**

**62. Supervisory GPC and Evolutionary PI Controller for Web Transport Systems**

N. Muthukumar, Seshadhri Srinivasan, K. Ramkumar, P. Kavitha and Valentina Emilia Balas

ACTA POLYTECHNICA HUNGARICA

Volume: 12

Issue: 5

Pages: 135-153

2015

**0,909-Q3**

**63. Hand Vein based Multimodal Biometric Recognition**

S.Bharathi, R.Sudhakar, Valentina E Balas

ACTA POLYTECHNICA HUNGARICA

Volume: 12

Issue: 6

Pages: 213-229

2015

**0,909-Q3**

**64. Multi-source information fusion model in rule-based Gaussian-shaped fuzzy control inference system incorporating Gaussian density function**

Zairan Li, Ting He, Luying Cao, Pamela McCauley, Valentina Emilia Balas, Shi Fuqian

**Journal of Intelligent and Fuzzy Systems**

Volume: 29

Issue: 6

Pages: 2335-2344

2015

**1,426-Q3**

**65. A Content-based Image Retrieval System Based on Convex Hull Geometry**

Santhosh P Mathew, Valentina Emilia Balas, Zacharia K.P

ACTA POLYTECHNICA HUNGARICA

Volume: 12

Issue: 1

Pages: 103-116

2015

**0,909-Q3**

66. [Real-time fuzzy system identification using uncertainty bounds](#)

Lin, Tsung-Chih; Kuo, Chia-Hao; Balas, Valentina Emilia

[NEUROCOMPUTING](#)

Volume: 125 Special Issue: SI Pages: 195-216

2014

**3,241-Q1**

67. [A Content-based Image Retrieval System Based on Polar Raster Edge Sampling Signature](#)

Mathew, Santhosh P., Balas, Valentina E., Zachariah, K. P., Samuel, Philip

[ACTA POLYTECHNICA HUNGARICA](#)

Volume: 11

Issue: 3

Pages: 25-36

2014

**0,909-Q3**

68. [Fuzzy Membership, Possibility, Probability and Negation in Biometrics](#)

Popescu-Bodorin, Nicolaie; Balas, Valentina E.

[ACTA POLYTECHNICA HUNGARICA](#)

Volume: 11 Issue: 4 Special Issue: SI Pages: 79-100

2014

**0,909-Q3**

69. [Adaptive fuzzy H-infinity tracking design of SISO uncertain nonlinear fractional order time-delay systems](#)

Lin, Tsung-Chih; Kuo, Chia-Hao; Lee, Tun-Yuan; Balas, Valentina Emilia

[NONLINEAR DYNAMICS](#)

Volume: 69 Issue: 4 Pages: 1639-1650

2012

**4,339-Q1**

70. [A New Approach to Nonlinear Tracking Control Based on Fuzzy Approximation](#)

Du, Z.; Lin, T. -C.; Balas, V. E.

[INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL](#)

Volume: 7 Issue: 1 Pages: 61-72

2012

**1,29-Q3**

71. [Adaptive fuzzy sliding mode control for synchronization of uncertain fractional order chaotic systems](#)

Lin, Tsung-Chih; Lee, Tun-Yuan; Balas, Valentina E.

[CHAOS SOLITONS & FRACTALS](#)

Volume: 44 Issue: 10 Pages: 791-801

2011

**2,213-Q1**

72. [Uncertain Fractional Order Chaotic Systems Tracking Design via Adaptive Hybrid Fuzzy Sliding Mode Control](#)

Lin, T. C.; Kuo, C. H.; Balas, V. E.

[INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL](#)

Volume: 6 Issue: 3 Special Issue: SI Pages: 418-427

2011

**1,29-Q3**

73. [World knowledge for sensors and estimators by models and internal models](#)

Volume: 21 Issue: 1-2 Pages: 79-88

Balas, V. E.; Jain, L. C.

[JOURNAL OF INTELLIGENT & FUZZY SYSTEMS](#)

Volume: 21 Issue: 1-2 Pages: 79-88

2010

**1,426-Q3**

74. [World knowledge for control applications by fuzzy-iterpolative systems](#)

Balas, Marius M.; Balas, Valentina E.

[INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL](#)

Volume: 3 Pages: 28-32

2008

**1,29-Q3**

75. [Constant time to collision platoons](#)

Balas, Valentina E.; Balas, Marius M.

[INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL](#)

Volume: 3 Supplement: S Pages: 33-39

2008

**1,29-Q3**

### Papers in ISI Proceedings

1. R. E. Precup, S. Preitl, Marius M. Bălaș, **Valentina E. Bălaș**, *Fuzzy Controllers for Tire Slip Control in Anti-lock Braking Systems*. Proceedings of the 2004 IEEE International Conference on Fuzzy Systems, FUZZ-IEEE '04, Budapest, 25-29 July 2004, Volume 3, pag. 1317 – 1322, Indexed by INIST-CNRS, Cote INIST: Y 38577(1), 35400013866828.2270, Indexed by IEE INSPEC IEEE CNF, INSPEC Accession Number: 8254425, IEEE Catalog Number 04CH37542, ISBN 0-7803-8353-2, ISSN 1098-7584, **INSPEC Indexed, IEEE Xplore, (ARC Cat. A)**.
2. Marius M. Bălaș, **Valentina E. Bălaș**, *Modeling Passive Greenhouses. The Sun's Influence*, **INES 2008**, 12th IEEE International Conference on Intelligent Engineering Systems, **February 25-29, Miami, Florida, USA, pp.71-75**, IEEE Catalog Number: CFP08IES-CDR, ISBN: 978-1-4244-2083-4, Library of Congress: 2008900450, **INSPEC Indexed, IEEE Xplore, ISI Proceedings**.
3. Dana Bălaș-Timar, **Valentina E. Bălaș**, *Decision Making in Human Resources Selection Methodology*, **2nd IEEE International Workshop on Soft Computing Applications, 21-23 August 2007, Gyula-Hungary, Oradea-Romania, pp. 123-127**, IEEE Catalog Number: CFP0728D, ISBN 978-1-4244-1607-3, Library of Congress: 2007905895, Digital Object Identifier 10.1109/SOFA.2007.4318316, Indexed by IEE INSPEC IEEE CNF, **INSPEC Indexed, IEEE Xplore, ISI Proceedings, (ARC Cat. C)**.
4. Navid Noroozi, Mehdi Roopaei, **Valentina E. Bălaș**, Tsung-Chih Lin, *Observer-Based Adaptive Variable Structure Control and Synchronization of Unknown Chaotic Systems*, 5<sup>th</sup> International Symposium on Applied Computational Intelligence and Informatics, SACI 2009, May 28-29, 2009, Timisoara, Romania, pag. 71-76, ISBN: 978-1-4244-4478-6, IEEE Catalog Number CFP0945C-CDR, Library of Congress 2009903350, Digital Object Identifier 10.1109/SACI.2009.5136215 **BDI Indexed, INSPEC, IEEE Xplore, ISI Proceedings, (ARC Cat. C)**.
5. Marius M. Bălaș, **Valentina E. Bălaș**, J. Duplaix, *Optimizing the Distance-Gap between Cars by Constant Time to Collision Planning*. **2007 IEEE International Symposium on Industrial Electronics, June 4-7, 2007, Vigo, Spain, pag. 109 Abstract Book, CD Proceedings, pag. 304-309**, IEEE Catalog Number: 07TH8928C, ISBN: 1-4244-0755-9 Library of Congress: 2006935487, **INSPEC Indexed, IEEE Xplore, ISI Proceedings**.
6. Marius M. Bălaș, **Valentina E. Bălaș**, C Barna, *The Constant Effort Imposed Distance Braking for Urban Railway Vehicles*. EUROCON 2005 – The International Conference “Computer as a Tool”, Belgrade, Serbia and Montenegro, November 21-24, 2005, IEEE Catalog Number: 05EX1255C. ISBN: 1-4244-0050-3, pag. 365-368, Indexed by IEE INSPEC IEEE CNF, **INSPEC Indexed, IEEE Xplore**.
7. Mehdi Roopaei, **Valentina E. Bălaș**, *Adaptive Gain Sliding Mode Control in Uncertain MIMO Systems*, 3<sup>rd</sup> International Workshop on Soft Computing Applications, SOFA2009, 29 July – 1 August 2009, Szeged (Hungary) – Arad (Romania), IEEE Catalog Number CFP0928D-PRT, ISBN 978-1-4244-5054-1, Library of Congress: 2009907136, pag. 75-79, , **INSPEC Indexed, IEEE Xplore, ISI Proceedings, (ARC Cat. C)**
8. **Valentina E. Bălaș**, V. Ceregan, A. Codrean, T. L. Dragomir, *Extension of a Control Structure with PSAIC*, 3<sup>rd</sup> International Workshop on Soft Computing Applications, SOFA2009, 29 July – 1 August 2009, Szeged (Hungary) – Arad (Romania), IEEE Catalog Number CFP0928D-PRT, ISBN 978-1-4244-5054-1, Library of Congress: 2009907136, pag. 81-84, **INSPEC Indexed, IEEE Xplore, ISI Proceedings, (ARC Cat. C)**.
9. Marius M. Balas, **Valentina E. Balas**, *A Sustainable Alimentation System for Our Future: The Passive Greenhouse*, Proceedings of the European Computing Conference (ECC '09) and the 3<sup>rd</sup> International Conference on COMPUTATIONAL INTELLIGENCE (CI'09), SESSION: COMPUTATION INTELLIGENCE APPLICATION, Tbilisi, Georgia, June 26-28, 2009, pag. 86-90, ISSN 1790-5117, ISBN 978-960-474-088-8
10. I. Szeidert, O. Prostean, N. Budisan, I. Filip, **V.E. Balas**, G. Prostean, *Viewpoint on Wind Energy Usage in Romania-Banat Region*, Proceedings of the WSEAS International Conference, 11<sup>th</sup> WSEAS International Conference on Sustainability in Science Engineering (SSE '09), Timisoara, Romania, May 27-29, 2009, pag. 17-21, ISSN: 1790-2769, ISBN: 978-960-474-080-2
11. **V.E Balas**, *Fuzzy Techniques and Internal Models for Sensors*, Recent Advances in Fuzzy Systems, Proceedings of the 10th WSEAS International Conference on Fuzzy Systems (FS '09), Prague, Czech Republic, March 23-25, 2009, pag.13-17, ISBN: 978-960-474-066-6, ISSN: 1790-5109
12. M. M. Balas, **V. E. Balas**, N. E. Mastorakis, *The Fuzzy-Interpolative Adaptive Controllers*, Recent Advances in Fuzzy Systems, Proceedings of the 10th WSEAS International Conference on Fuzzy Systems (FS '09), Prague, Czech Republic, March 23-25, 2009, pag.18-21, ISBN: 978-960-474-066-6, ISSN: 1790-5109



13. Marius M. Bălaș, **Valentina E. Bălaș**, *Monoscopic CCD Cameras as Distance Sensors*, Editors: Calin Enachescu, Petru Maior University, Tg. Mures, Romania; Barna L. Iantovics, Petru Maior University, Romania ; Gheorghe F. Florin, Romanian Academy, Bucharest, Romania, BICS 2008: Proceedings of the 1st International Conference Bio-Inspired Computational Methods Used for Solving Difficult Problems--Development of Intelligent and Complex Systems, American Institute of Physics, Conference Proceedings Volume 1117, 2009, ISBN: 978-0-7354-0654-4, pp. 67-73, <http://proceedings.aip.org/dbt/dbt.jsp?KEY=APCPCS&Volume=1117&Issue=1>
14. **Valentina E. Bălaș**, Marius M. Bălaș, *On the Switching Control*, Editors: Calin Enachescu, Petru Maior University, Tg. Mures, Romania ; Barna L. Iantovics, Petru Maior University, Romania ; Gheorghe F. Florin, Romanian Academy, Bucharest, Romania, BICS 2008: Proceedings of the 1st International Conference Bio-Inspired Computational Methods Used for Solving Difficult Problems--Development of Intelligent and Complex Systems, American Institute of Physics, Conference Proceedings Volume 1117, 2009, ISBN: 978-0-7354-0654-4, pp. 81-88, ENVIRO<http://proceedings.aip.org/dbt/dbt.jsp?KEY=APCPCS&Volume=1117&Issue=1>
15. **V. E. Balas**, A. V. Stoica, A. L. Rugea. *Automatic Library Assistant*, Distance Learning, Multimedia and Video Technologies, Proceedings of the 8th WSEAS International Conference on MULTIMEDIA, INTERNET & VIDEO TECHNOLOGIES (MIV '08) & Proceedings of the 8th WSEAS International Conference on DISTANCE LEARNING and WEB ENGINEERING (DIWEB '08), ISSN: 1790-5109, ISBN: 978-960-474-005-5, Santander, Cantabria, Spain, September 23-25, 2008, pag. 185-190
16. **Valentina E. Bălaș**, Marius M. Bălaș, Mircea V. Putin-Racoviță, *Passive Greenhouses and Ecological Reconstruction*, **INES 2008**, 12th IEEE International Conference on Intelligent Engineering Systems, **February 25-29, Miami, Florida, USA**, pp.77-81, IEEE Catalog Number: CFP08IES-CDR, ISBN: 978-1-4244-2083-4, Library of Congress: 2008900450
17. Marius M. Bălaș, **Valentina E. Bălaș**, *Some Observations on Stability of Switching Adaptive Rule Based of Fuzzy Self-Adapted Interpolative Controllers*. **ISCIII'07 3rd International Symposium on Computational Intelligence and Intelligent Informatics, Proceedings, March 28-30, 2007, Agadir, Morocco**, pag. 63-66, IEEE Catalog Number: 07EX1756, ISBN: 1-4244-1157-2
18. **Valentina E. Bălaș**, Marius M. Bălaș, *Switching Adaptive Correctors for Fuzzy Fusion Self Adapted Interpolative Controllers*. **ISCIII'07 3rd International Symposium on Computational Intelligence and Intelligent Informatics, Proceedings, March 28-30, 2007, Agadir, Morocco**, pag. 67-72, IEEE Catalog Number: 07EX1756, ISBN: 1-4244-1157-2
19. Marius M. Bălaș, **Valentina E. Bălaș**, *A Simple Model of the Air Conditioning Installation of a Compartmented Railway Coach*, **ICCC 2007, Proceedings, 5th IEEE International Conference on Computational Cybernetics, Gammart, Tunisia, October 19-21, 2007**, pp. 271-274, IEEE Catalog Number: 07EX1750C, ISBN: 1-4244-1146-7, Library of Congress: 2007922966
20. **Marius M. Bălaș, Valentina E. Bălaș**, *World Knowledge for Control Applications*. **INES 2007 Proceedings, 29 June-1 July, 2007, Budapest, Hungary**, 11th International Conference on Intelligent Engineering Systems, pag. 225-228, IEEE Catalog Number: 07EX1751, ISBN: 1-4244-1147-5, Library of Congreso: 2007922965
21. **Marius M. Bălaș, Valentina E. Bălaș, J. Duplaix**, *On the Switching Controlers' Issue*, **2nd IEEE International Workshop on Soft Computing Applications, 21-23 August 2007, Gyula-Hungary, Oradea-Romania**, pp. 103-108, IEEE Catalog Number: CFP0728D, ISBN 978-1-4244-1607-3, Library of Congreso 2007905895, Digital Object Identifier 10.1109/SOFA.2007.4318313
22. M. Babescu, I. Filip, **V. E. Balas**, O. Prostean, C. Vasar. *Considerations regarding the Control of a Mixed Genset based on the usage of Synchronous and Asynchronous Generator*. Proceedings of the 2nd IASME/WSEAS International Conference on ENERGY and NMENT, Portoz (Portorose), Slovenia, May 15-17, 2007, pag.123-128, ISSN 1790-5095, ISBN 978-960-8457-69-0
23. N. Budisan, I. Filip, **V. E. Balas**, G. Prostean, I. Szeidert. *Considerations regarding the Induction Generator's Compound Excitation*. Proceedings of the 2nd IASME/WSEAS International Conference on ENERGY and ENVIRONMENT, Portoz (Portorose), Slovenia, May 15-17, 2007, pag.140-146, ISSN 1790-5095, ISBN 978-960-8457-69-0
24. Dana V. Balas-Timar, **Valentina E. Bălaș**, *Ability Estimation in CAT with Fuzzy Logic*, **ISCIII'09 Proceedings, 4<sup>th</sup> International Symposium on Computational Intelligence and Intelligent Informatics, 21-25 October 2009, Egypt**, pag. 55-62, IEEE Catalog Number: CFP0936C-CDR, ISBN: 978-1-4244-5382-5, Library of Congress: 2009909581
25. Tsung-Chih Lin, Tun-Yuan Lee, **Valentina E. Bălaș**, *Synchronization of Uncertain Order Chaotic Systems via Adaptive Interval Type-2 Fuzzy Sliding Mode Control*, 2011 IEEE International Conference on Fuzzy Systems, FUZZ-IEEE 2011, June 27-30, 2011, Taipei, Taiwan, Proceedings ISBN 978-1-4244-7316-8/11, pag. 2882-2889
26. Tsung-Chih Lin, Chia-Hao Kuo, **Valentina E. Bălaș**, *Fractional Order Chaotic System Tracking Design Based on Adaptive Hybrid Intelligent Control*, 2011 IEEE International Conference on Fuzzy Systems, FUZZ-IEEE 2011, June 27-30, 2011, Taipei, Taiwan, Proceedings ISBN 978-1-4244-7316-8/11, pag. 2890-2896
27. Tsung-Chih Lin, Chia-Hao Kuo, **Valentina Emilia Balas**, *Real-Time Recurrent Interval Type-2 Fuzzy-Neural System Identification Using Uncertainty Bounds*, FUZZ-IEEE 2012, June 10-15 , 2012, Brisbane, Australia, pag. 2087-2094



28. Tsung-Chih Lin, Chung-Ching Wang, I-Shin Liu, **Valentina E. Bălaș**, *Identifier Based Interval Type-2 Fuzzy Tracking Control*, The 2013 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2013), July, 7-10, 2013, Hyderabad, India
29. M. Buzera, **V. E. Balas**, G. Proștean, N. Mastorakis, *Non destructive techniques of automatic shape classification of vegetal products*, Recent Advances in Neural Networks, Proceedings of the 10th WSEAS International Conference on Neural Networks (ICAI '09), Prague, Czech Republic, March 23-25, 2009, pag.184-187, ISBN: 978-960-474-064-2, ISSN: 1790-5117
30. Rajeeb Dey, **Valentina E. Balas**, T.C. Lin and G. Ray, *Improved Delay-range-dependent Stability Analysis of a T-S Fuzzy System with Time Varying Delay*, CINTI 2013, 14<sup>th</sup> IEEE International Symposium on Computational Intelligence and Informatics, 19-21 November 2013, Budapest, Hungary, pag. 173-178
31. Ting-Ching Chu, Tsung-Chih Lin and **Valentina Emilia Balas**, *Observer-based indirect adaptive supervisory control for unknown time delay system*, International Conference on Fuzzy Systems 2014, FUZZ-IEEE 2014, 1-11 July, Beijing, China, ISBN 978-1-4799-2073-0, pag. 1883-1890, DOI [10.1109/FUZZ-IEEE.2014.6891631](https://doi.org/10.1109/FUZZ-IEEE.2014.6891631)
32. Farooq, Umar; Gu, Jason; El-Hawary, Mohamed E, **Valentina E. Balas**, [Experimental Study of Optimal Takagi Sugeno Fuzzy Controller for Rotary Inverted Pendulum](#), , Muhammad Usman Asad, Edited by: Yazici, A; Pal, NR; Kaymak, U; et al., Conference: IEEE International Conference on Fuzzy Systems (FUZZ-IEEE) Location: Istanbul, TURKEY Date: AUG 02-05, 2015, Sponsor(s): IEEE; IEEE Computat Intelligence Soc; Middle E Tech Univ; Kadir Has Univ; Eindhoven Univ Technol 2015 IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS (FUZZ-IEEE 2015) Book Series: IEEE International Fuzzy Systems Conference Proceedings Published: 2015
33. [Adaptive Fuzzy Moving Sliding Mode Control of Unknown Multivariable Nonlinear Time Delay Systems](#) Lin, Tsung-Chih; Kuo, Chia-Hao; Hung, Tseng-Chuan, **Valentina E. Balas**, Edited by: Yazici, A; Pal, NR; Kaymak, U; et al. Conference: IEEE International Conference on Fuzzy Systems (FUZZ-IEEE) Location: Istanbul, TURKEY Date: AUG 02-05, 2015 Sponsor(s): IEEE; IEEE Computat Intelligence Soc; Middle E Tech Univ; Kadir Has Univ; Eindhoven Univ Technol 2015 IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS (FUZZ-IEEE 2015) Book Series: IEEE International Fuzzy Systems Conference Proceedings Published: 2015
34. Tsung-Chih Lin, Jian-Lin Yeh, Chia-Hao Kuo, Yu-Chen Lin and **E. Balas Valentina**, *Adaptive Fuzzy Sliding Mode Active Vibration Control for Rail Vehicle Pantograph*, IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2016) Vancouver, Canada, 24-29 July 2016, DOI: [10.1109/FUZZ-IEEE.2016.7737711](https://doi.org/10.1109/FUZZ-IEEE.2016.7737711)
35. [Davood M. Souran](#) ; [Saeed Tavakkoli](#) ; [Majid Hatamian](#) ; [Armin Mehrabian](#); **Valentina E. Balas.**, *Classification of the Liver Disorders Data Using Multi-Layer Adaptive Neuro Fuzzy Inference System*, The Sixth International Conference on Computing, Communications and Networking Technologies (ICCCNT), July 13, art. no. 7395182, pages 1-4, ISBN 978-1-4799-7983-7
36. Jagatheesan, K.; Anand, B.; Santhi, V., Nilanjan Dey, Amira Ashour, **Valentina E. Balas**, *Dynamic Performance Analysis of AGC of MultiArea Power System Considering Proportional Integral-Derivative Controller with Different Cost Functions*, Source: 2016 International Conference on Electrical, Electronics, and Optimization Techniques (Iceeot) Pages: 171-176 Published: 2016
37. K.Jagatheesan, B.Anand, Nilanjan Dey, Amira S. Ashour, **Valentina E. Balas**, *Conventional controller based AGC of multi-area Hydro-Thermal power systems*, 2016 International Conference on Computer Communication and Informatics (ICCCI -2016), Jan. 07 – 09, 2016, Coimbatore, INDIA, ISBN 978-1-4673-6680-9, IEEE Xplore, pag. 560-565
38. K.Jagatheesan, B.Anand, Nilanjan Dey, Amira S. Ashour, Cornel Barna, **Valentina E. Balas**, *Automatic Generation Control of an Interconnected Multi-Area Reheat Thermal Power Systems with Conventional Proportional-Integral Controller Considering various Performance Indices*, SACI 2016, May, 2016, Timisoara, Romania, DOI: [10.1109/SACI.2016.7507387](https://doi.org/10.1109/SACI.2016.7507387)
39. Raja Rajeswari, P.; Raju, S. V.; Ashour, A. S., Nilanjan Dey, **Valentina E. Balas**, *Active Site Cavities Identification of Amyloid beta precursor protein: Alzheimer Disease Study*, , INES 2016 20th Jubilee IEEE International Conference on Intelligent Engineering Systems Pages: 319-323 Published: 2016
40. Ahmad Taher Azar, Shaimaa A. El-Said, **Valentina E. Bălaș** and Teodora Olariu, *Linguistic Hedges Fuzzy Feature Selection for Differential Diagnosis of Erythematous-Squamous Diseases*, in Advances in Intelligent and Soft Computing, Series Ed.: Kacprzyk, Janusz, Proceedings of the 5<sup>th</sup> International Workshop on Soft Computing Applications – SOFA 2012 August 22-24, 2012, Szeged, Hungary, V. E. Balas, J. Fodor, A. Varkonyi-Koczy, J. Dombi and L. C. Jain, (Eds.), Springer, 2013, ISBN 978-3-642-33941-7, pag. 487–500
41. Nicolaie Popescu-Bodorin, **Valentina E. Bălaș** and Iulia Maria Motoc, *The Biometric Menagerie – A Fuzzy and Inconsistent Concept*, in Advances in Intelligent and Soft Computing, Series Ed.: Kacprzyk, Janusz, Proceedings of the 5<sup>th</sup> International Workshop on Soft Computing Applications – SOFA 2012 August 22-24, 2012, Szeged, Hungary, V. E. Balas, J. Fodor, A. Varkonyi-Koczy, J. Dombi and L. C. Jain, (Eds.), Springer, 2013, ISBN 978-3-642-33941-7, pp. 27–43

42. Tsung-Chih Lin, Wei-Nan Liao and **Valentina E. Bălaș**, *Memristor-Based Phase-Lead Controller Circuit Design*, in Advances in Intelligent and Soft Computing, Series Ed.: Kacprzyk, Janusz, Proceedings of the 5<sup>th</sup> International Workshop on Soft Computing Applications – SOFA 2012 August 22-24, 2012, Szeged, Hungary, V. E. Balas, J. Fodor, A. Varkonyi-Koczy, J. Dombi and L. C. Jain, (Eds.), Springer, 2013, ISBN 978-3-642-33941-7, pag. 309–318
43. Rekik Ali, Gabsi Mounir, **Valentina Emilia Balas**, Masmoudi Nissen, *Fuzzy Evaluation Method for Project Profitability*, Volume 512 of the series [Advances in Intelligent Systems and Computing](#), Selected Papers from the International Conference on Computer Science and Information Technologies, CSIT 2016, September 6-10 Lviv, Ukraine, pp 17-27, Springer 2016, [http://link.springer.com/chapter/10.1007/978-3-319-45991-2\\_2](http://link.springer.com/chapter/10.1007/978-3-319-45991-2_2)
44. Jagatheesan K., Anand B., Dey Nillanjan, Ashour Amira S., Barna Cornel, **Balas Valentina E.**, *Automatic Generation Control of an Interconnected Multi-Area Reheat Thermal Power Systems with Conventional Proportional-Integral Controller Considering various Performance Indices*, 2016 IEEE 11TH INTERNATIONAL SYMPOSIUM ON APPLIED COMPUTATIONAL INTELLIGENCE AND INFORMATICS (SACI) , Pages: 289-294, 2016
45. Farooq Umar, Gu Jason, El-Hawary Mohamed E., **Balas Valentina E.**, Asad Muhammad Usman, *Experimental Study of Optimal Takagi Sugeno Fuzzy Controller for Rotary Inverted Pendulu*, 2015 IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS (FUZZ-IEEE 2015), 2015, Turkey.
46. Rohatinovici, Noemi-Clara; Prostean, Octavian; **Balas, Valentina E.**  
*On Reliability of 3D Hammock Networks*  
Conference: 12th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI)  
Location: Timisoara, ROMANIA Date: MAY 17-19, 2018  
Sponsor(s): IEEE  
2018 IEEE 12TH INTERNATIONAL SYMPOSIUM ON APPLIED COMPUTATIONAL INTELLIGENCE AND INFORMATICS (SACI) Pages: 149-153 Published: 2018
47. Rohatinovici, Noemi-Clara; Cowell, Simon R.; Daus, Leonard; Poulin, P ; Dragoi, V ; **Balas, VE** ; Beiu, V  
*On Algorithms for Evaluating the Reliability of Large Hammock Networks*  
Conference: 7th International Conference on Computers Communications and Control (ICCCC) Location: Oradea, ROMANIA Date: MAY 08-12, 2018  
Sponsor(s): IEEE; IEEE Reg 08; Agora Univ Oradea; R & D Agora, Cercetare Dezvoltare Agora, 2018 7TH INTERNATIONAL CONFERENCE ON COMPUTERS COMMUNICATIONS AND CONTROL (ICCCC 2018)  
Pages: 131-135 Published: 2018
48. Nath, Anirudh; Dey, Rajeeb; **Balas, Valentina E.**  
*Closed Loop Blood Glucose Regulation of Type 1 Diabetic Patient Using Takagi-Sugeno Fuzzy Logic Control*  
Conference: 7th International Workshop on Soft Computing Applications (SOFA) Location: Arad, ROMANIA Date: AUG 24-26, 2016  
Sponsor(s): Aurel Vlaicu Univ Arad; Univ Belgrade; Romanian Acad, Iasi Branch, Inst Comp Sci; IEEE Romanian Sect; Romanian Soc Control Engn & Tech Informat, Arad Sect; Gen Assoc Engineers Romania, Arad Sect; BTM Resources Arad  
SOFT COMPUTING APPLICATIONS, SOFA 2016, VOL 2 Book Series: Advances in Intelligent Systems and Computing Volume: 634 Pages: 286-296 Published: 2018
49. Najariyan, Marzieh; Mazandarani, Mehran; **Balas, Valentina Emilia**  
*Fuzzy Fractional Derivative: A New Definition*  
Conference: 7th International Workshop on Soft Computing Applications (SOFA) Location: Arad, ROMANIA Date: AUG 24-26, 2016  
Sponsor(s): Aurel Vlaicu Univ Arad; Univ Belgrade; Romanian Acad, Iasi Branch, Inst Comp Sci; IEEE Romanian Sect; Romanian Soc Control Engn & Tech Informat, Arad Sect; Gen Assoc Engineers Romania, Arad Sect; BTM Resources Arad  
SOFT COMPUTING APPLICATIONS, SOFA 2016, VOL 2 Book Series: Advances in Intelligent Systems and Computing Volume: 634 Pages: 314-329 Published: 2018
50. Najariyan, Marzieh; Mazandarani, Mehran; **Balas, Valentina Emilia**  
*Solving First Order Linear Fuzzy Differential Equations System*  
Conference: 7th International Workshop on Soft Computing Applications (SOFA) Location: Arad, ROMANIA Date: AUG 24-26, 2016  
Sponsor(s): Aurel Vlaicu Univ Arad; Univ Belgrade; Romanian Acad, Iasi Branch, Inst Comp Sci; IEEE Romanian Sect; Romanian Soc Control Engn & Tech Informat, Arad Sect; Gen Assoc Engineers Romania, Arad Sect; BTM Resources Arad  
SOFT COMPUTING APPLICATIONS, SOFA 2016, VOL 2 Book Series: Advances in Intelligent Systems and Computing Volume: 634 Pages: 330-353

1. V.K. Sudha, R. Sudhakar, **Valentina E. Bălaș**, *Fuzzy Rule Based Segmentation of CT Brain Images of Hemorrhage for Compression*, International Journal of Advanced Intelligence Paradigms, No. 3-4/2012, pag. 256-267, ISSN 1755-0394, <http://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijaip>, **SCOPUS, INSPEC**.
2. Ahmad Taher Azar, **Valentina E. Bălaș**, *Statistical Methods and Artificial Neural Networks Techniques in Electromyography*, [International Journal of System Dynamics Applications \(IJSDA\)](http://www.irma-international.org/viewtitle/62869/), IGI Global, DOI: 10.4018/ijdsda.2012010103, ISSN: 2160-9772, EISSN: 2160-9799 , Volume 1, Issue 1, 2012, pag. 39-47, <http://www.irma-international.org/viewtitle/62869/>, <http://www.igi-global.com/article/international-journal-system-dynamics-applications/62869>, **INSPEC**.
3. Tsung-Chih Lin, Mehdi Roopaei, **Valentina E. Bălaș**, *Adaptive Interval Type-2 FNN  $H_\infty$  Control for Synchronization between Two Different Time-Delay Chaotic Systems*, Mathematics in Engineering, Science and Aerospace, MESA, The transdisciplinary international journal, ISSN 2041 - 3165 (print), 3173 (online), Vol. 2, Nr. 1 2011, pag. 105-120, <http://nonlinearstudies.com/index.php/mesa/issue/view/67>
4. I. Szeidert, O. Prostean, N. Budisan, I. Filip, **Valentina E. Bălaș**, G. Prostean, *Actual Situation and Perspectives on Wind Energy Usage in Banat Region*, WSEAS TRANSACTIONS on SYSTEMS AND CONTROL , ISSN: 1991-8763, Issue 8, Volume 4, August 2009, pag. 369-372, **ACM, SCOPUS Indexed**.
5. Mehdi Roopaei, **Valentina E. Bălaș**, Tsung-Chih Lin, Alireza Seifi, *Adaptive gain fuzzy sliding mode control in uncertain MIMO nonlinear systems*, Nonlinear Studies, Florida, USA, ISSN 1359- 8678 , Vol. 16, No. 3, 2009, pp. 261-273, **BDI**, <http://nonlinearstudies.com/index.php/nonlinear/issue/current>
6. M.M. Balas, **Valentina E. Bălaș**, D. V. Balas-Timar, L. R. Szantho, *The Fuzzy-Interpolative Methodology in Soft Computing*. WSEAS Transactions on Information Science and Applications, Issue 9, Volume 3, September 2006, ISSN 1790-0832, pg. 1625-1631, **SCOPUS Indexed**.
7. I. Filip, O. Proștean, I. Szeidert, **Valentina E. Bălaș**, G. Proștean, *Comparative Study Regarding an Adaptive Fuzzy Controller and a Self-Tuning Controller with Application to the Excitation Control of a Synchronous Generator*. WSEAS Transactions on Systems, Issue 7, Volume 5, July 2006, ISSN 1109-2777, pag. 1587-1994, **SCOPUS Indexed**.
8. **Valentina E. Bălaș**, Marius M. Bălaș, *Observing Control Systems by Phase Trajectories of the Error*. WSEAS Transactions on Systems, Issue 7, Volume 5, July 2006, ISSN 1109-2777, pag. 1717-1722, <http://www.worldses.org/journals/systems/systems-july2006.doc>, **SCOPUS Indexed**
9. Marius M. Bălaș , **Valentina E. Bălaș**, S. V. Muscă, C. Muscă, *Ecological Reconstruction Using Energetic Passive Greenhouses*. RSEE, 6th International Conference on Renewable Sources and Environmental Electro-Technologies, 8 - 10 June 2006, Oradea , Romania, Computer Science And Control Systems Session pag. 7-10, Analele Universitatii din Oradea/Fascicula ELECTROTEHNICA, Sectiunea: Stiinta Calculatoarelor si Sisteme de Control, ISSN 1841-7213, **BDI**.
10. **Valentina E. Bălaș**, *Railway vehicles' diagnosis by internal models*. Analele Universității din Oradea, Fascicula Electrotehnică, Secțiunea Știința Calculatoarelor și Sisteme de Control, Proceedings of the 8th International Conference on Engineering of Modern Electric Systems EMES '05, 26 - 28 May, 2005, Oradea, pag. 18-23, ISSN 1223-2106, **BDI**
11. Marius M. Bălaș, M. Ciugudean, **Valentina E. Bălaș**, *Adaptive Fuzzy Interpolative Controllers and Applications*. Revista de Inventica, Nr. 48, Vol IX, An XV, 2005, Romanian Journal for Creativity in Engineering and Technology – Research and Education Reports, Special Issue, Guest Editors: Horia-Nicolai Teodorescu, Seizaburo Arita, Zvetlana Cojocar, Romanian Inventors Society, Iasi, ISSN 1210-3084, pag. 13-23.
12. **Valentina E. Bălaș**, E. Roventă. T. Spircu, *Weighted Fusion of Changes of Belief*. CONTI 2004, The 6-th International Conference on Technical Informatics „Politehnica” University of Timisoara, Faculty of Automation and Computers, 27-28 May 2004, Scientific Bulletin of „Politehnica” University of Timisoara, Romania, Transactions on Automatic Control and Computer Science, Vol.49(63), 2004, ISSN 1224-600X, pag. 105 – 110, Editura Politehnica, Revista **CNCSIS categ. B+**.
13. Marius M. Bălaș, **Valentina E. Bălaș**, T. L., Dragomir, *A preamble on the identification of the operating regimes of the controllers by the help of the phase trajectory* . Electronic BUSEFAL ISSN 0296-3698. Busefal #87, LAMII / CESALP – Universite de Savoie, Annecy, France, Iunie 2002 Format electronic. [http://www.listic.univ-savoie.fr/modules.php?name=Busefal&func=AfficherVolume&no\\_volume=87](http://www.listic.univ-savoie.fr/modules.php?name=Busefal&func=AfficherVolume&no_volume=87)
14. **Valentina E. Bălaș**, *The Computer Model of an Intelligent Speed Sensor for Railway Coaches*. A 5-a Conferință internațională de Ingineria Sistemelor Moderne în Electrotehnică, Universitatea din Oradea, Fascicula Electrotehnică, Analele Universității din Oradea, Fascicula electrotehnica, Sect. C, 28-29 mai 1999, Băile Felix, pag. 33-37, ISSN 1223-2106, **BDI**.

15. Marius M. Bălaș, **Valentina E. Bălaș**, C. Alexandrescu, *Some Remarks on the Fuzzy - PID Controllers*. Buletinul Științific al Universității "Politehnica " din Timișoara, Proceedings of the Symposium on Electronics and Telecommunications "Etc.'98", Vol II, Timișoara, sept. 17-18 1998, pag. 277-282, ISSN 1224-6034, *Revista CNCSIS categ. B+*.
16. M. Balas, **V. Balas**, L. Foulloy, S. Galichet. *A model of the sliding Wheel During Braking*. BOGIE 2001: *The 5-th International Conference on Railway Bogies and Running Gears*, Budapest University of Technology and Economics, Department of Railway Vehicles, Sept. 2001, Budapest, Hungary, **SCOPUS indexed**.
17. **V. Bălaș**, M. Bălaș. *The Real-Time Evaluation of the Adhesion by Internal Model*. The 8th Mini Conference on Vehicle System Dynamics, Identification and Anomalies, 11-13 November, 2002, Budapest, Hungary, ISBN 963 420 8177, pag. 247-254, **SCOPUS indexed**.
18. M. Bălaș, **V. Bălaș**, L. S. Bocîi, I. Radu. I. Koles. *The Real Time Evaluation of the Weariness of the Disc Brake*. The 8 Th Mini Conference on Vehicle System Dynamics, Identification and Anomalies, 11-13 November, 2002, Budapest, Hungary, pag. 241-246, ISBN 963 420 8177, **SCOPUS indexed**.
19. M. Balas, **V. Balas**, C. Barna, J. Duplaix, Gh. Gherman, R. E. Precup. *The Real Time Estimation of the Weariness of the Wheels' Tread for Railway Vehicles*. Proceedings of the 6th International Conference on Railway Bogies and Running Gears, Budapest, Hungary, 13-16 sept. 2004, edited by Prof. Istvan Zobory, Department of Railway Vehicles BME, Budapest, Hungary, ISBN 963-421-5750, pag. 387-392., **SCOPUS indexed**.
20. M. Bălaș, **V. Bălaș**. *The Family of Fuzzy Self Adaptive Interpolative Controllers*. International Conference on Information Processing and Management of Uncertainty in Knowledge-based Systems, IPMU2004, Special Session „Control”, July 4 – 9, 2004, Perugia, Italy, Vol III, pp. 2119-2124, (**ARC Cat. C**), **Google Scholar**.
21. L.T.Koczy, M. Balas, M. Ciugudean, **V. Balas**, J. Botzheim. *On the Interpolative Side of the Fuzzy Sets*. IEEE – SOFA 2005 Proceedings, IEEE International Workshop on Soft Computing Applications, SOFA, 27-30 August, 2005, Szeged–Hungary & Arad-Romania, pag. 17-23, ISBN 963 219 001 7, (**ARC Cat. C**), **Google Scholar**
22. M. M. Balas, **V. E. Balas**. *Optimising the Distance-Gap Between Cars by Fuzzy-Interpolative Control with Time to Collision Planning*. ICM 2006, IEEE Conference on Mechatronics, Budapest, Hungary, July 3-5, 2006, pag. 215-218, IEEE Catalog Number of printed proceedings 06EX1432, ISBN 1-4244-9712-6, Indexed by IEE INSPEC IEEE CNF, INSPEC Accession Number: 9157024, Digital Object Identifier 10.1109/ICMEH.2006.252527, **INSPEC Indexed, IEEE Xplore**.
23. M. M. Balas, **V. E. Balas**. *Another Possible Way towards the Intelligent Nano-Systems: the Fuzzy-Interpolative*. The 11th IPMU International Conference, July 2-7, 2006, Paris, France, pp. 2135-2141, Editions EDK, Paris, 2006, ISBN: 2-84254-112-X, (**ARC Cat. C**)
24. **V. E. Balas**, M. Costin, D. V. Balas-Timar. *Automatic Voice Emotional Evaluation*. Proceedings of the 6<sup>th</sup> International Conference on Recent Advances in Soft Computing – RASC 2006, Canterbury, 10-12 July, 2006, UK, Editor Konstantinos Sirlantzis, Department of Electronics, pp. 471-476, ISBN: 978-1-902671-43-7, 1-902671-43-0
25. **V. E. Balas**, M. M. Balas. *Driver Assisting by Inverse Time to Collision*. WAC 2006, July 24-27, 2006, Budapest, Hungary, Indexed by IEE INSPEC IEEE CNF, IEEE Catalog Number: 06EX1486, ISBN 1-889335, **INSPEC Indexed**
26. **V. E. Balas**, M. M. Balas. *Assisting the Drivers by Means of the Constant Time to Collision Criterion*, 12th International Conference IPMU 08, Information Processing and Management of Uncertainty in Knowledge-Based Systems, June 22-27, 2008, Malaga, Spain, pp. 946-951, L. Magdalena, M. Ojeda-Aciego, J.L. Verdegay (eds), ISBN: 978-84-612-3061-7, Dep.Legal: MA-500-2008, (**ARC Cat. C**)
27. M. M. Balas, V. E. Balas. *Smart Control for Passive Greenhouses*, 12th International Conference IPMU 08, Information Processing and Management of Uncertainty in Knowledge-Based Systems, June 22-27, 2008, Malaga, Spain, pp. 826-831, L. Magdalena, M. Ojeda-Aciego, J.L. Verdegay (eds), ISBN: 978-84-612-3061-7, Dep.Legal: MA-500-2008, (**ARC Cat. C**)
28. **V. E. Balas**, Marius M. Balas, *The traffic Control by Constant Time to Collision Platoons*, 11th Mini Conference on Vehicle System Dynamics, Identification and Anomalies, VSDIA, 11-12 November 2008, Budapest University of Technology and Economics, Hungary, pag. 559-566, ISBN 978 963 313 011 7, **BDI**
29. M.M. Balas, V.E. Balas, *The Switching Controllers' Effect and its Rejection in the Case of the Airplanes*, 11th Mini Conference on Vehicle System Dynamics, Identification and Anomalies, VSDIA, 11-12 November 2008, Budapest University of Technology and Economics, Hungary, pag. 559-566, ISBN 978 963 313 011 7, **BDI**
30. Nicolai Popescu-Bodorin, **Valentina E. Balas**, *From Cognitive Binary Logic to Cognitive Intelligent Agents*, IEEE 14<sup>th</sup> International Conference on Intelligent Engineering Systems, INES 2010, pag. 337-340, May 5-7, 2010, Las Palmas de Gran Canaria, Spain, ISBN: 978-1-4244-7651-0, IEEE Catalog Number: CFP10IES-CDR, **SCOPUS Indexed**



31. Tsung-Chih Lin, Shuo-Wen Chang, Tun-Yuan Lee, **Valentina Emilia Balas**, Mehdi Roopaei, *A Novel Takagi-Sugeno-Based Robust Adaptive Fuzzy Synchronization of Discrete-Time Chaotic Systems*, IEEE International Joint Conference on Computational Cybernetics and Technical Informatics, ICC-CONTI 2010, pag 61-66, May 27-29, Timisoara, Romania, ISBN: 978-1-4244-7431-8, IEEE Catalog Number: CFP10575-CDR, **SCOPUS Indexed, INSPEC, (ARC Cat. C)**
32. Nicolae Popescu-Bodorin, Valentina E. Balas, *AI Challenges in Iris Recognition. Processing Tools for Bath Iris Image Database*. Recent Advances in Automation & Information, Proc. WSEAS 11<sup>th</sup> Int. Conf. on Automation & Information (ICAI'10) June 13-15, Iasi, Romania, pp. 116-121, ISSN: 1790-5117, ISBN 978-960-474-193-9, WSEAS Press., **ACM**
33. Nicolae Popescu-Bodorin, **Valentina E. Balas**, *Comparing Haar-Hilbert and Log-Gabor Based Iris Encoders on Bath Iris Image Database*, 4<sup>th</sup> International Workshop on Soft Computing Applications, SOFA 2010, pag. 191-196, 15-17 July 2010, Arad, Romania, ISBN: 978-1-4244-7982-5, IEEE Catalog Number: CFP1028D-PRT, **SCOPUS Indexed, INSPEC, (ARC Cat. C)**
34. Ahmad T. Azar, **Valentina E. Balas**, Teodora Olariu, *Artificial Neural Network for Accurate Prediction of Post-Dialysis Urea Rebound*, 4<sup>th</sup> International Workshop on Soft Computing Applications, SOFA 2010, pag. 165-170, 15-17 July 2010, Arad, Romania, ISBN: 978-1-4244-7982-5, IEEE Catalog Number: CFP1028D-PRT, **SCOPUS Indexed, INSPEC, (ARC Cat. C)**
35. Tsung-Chih Lin, Kang-Wei Hsu, **Valentina E. Balas**, Mehdi Roopaei, *Stable Adaptive Synchronization of a Class of Uncertain Time-Delay Chaotic Systems via  $H_\infty$  type-2 FNN Control*, 4<sup>th</sup> International Workshop on Soft Computing Applications, SOFA 2010, pag. 237-242, 15-17 July 2010, Arad, Romania, ISBN: 978-1-4244-7982-5, IEEE Catalog Number: CFP1028D-PRT, **SCOPUS Indexed, INSPEC, (ARC Cat. C)**
36. Tsung-Chih Lin, Ming-Che Chen, **Valentina E. Balas**, Mehdi Roopaei, Chien-Ming Lee, *Synchronization of Uncertain Multivariable Chaotic Systems Using Adaptive Interval Type-2 Fuzzy Sliding Mode Control*, 4<sup>th</sup> International Workshop on Soft Computing Applications, **SOFA 2010**, pag. 249-254, 15-17 July 2010, Arad, Romania, ISBN: 978-1-4244-7982-5, IEEE Catalog Number: CFP1028D-PRT, **SCOPUS Indexed, INSPEC, (ARC Cat. C)**
37. Nicolae Popescu-Bodorin, **Valentina E. Balas**, *Exploratory simulation of an Intelligent Iris Verifier Distributed System*, SACI 2011 - 6<sup>th</sup> IEEE International Symposium on Applied Computational Intelligence and Informatics, May 19-21, 2011 in Timisoara, Romania, *Proceedings*, art. no. 5873010, ISBN 978-1-4244-9107-0, Catalog Number CFP1145C-CDR, pp. 259-262, **SCOPUS indexed**, <http://conf.uni-obuda.hu/saci2011/index.html>, **(ARC Cat. C)**
38. N. Popescu-Bodorin, **V.E. Balas**, I.M. Motoc, *Iris Codes Classification Using Discriminant and Witness Directions*, 5<sup>th</sup> International Symposium on Computational Intelligence and Intelligent Informatics, ISCIII 2011, September 15-17, 2011, Floriana, Malta, pag. 143-148, ISBN 978-1-4577-1859-5, IEEE Catalog Number: CFP 1136C-CDR, <http://www.trivent.hu/ISCIII2011/index.php?p=invitation> , **DBLP**
39. N. Popescu-Bodorin, **V.E. Balas**, I.M. Motoc, *8-Valent Fuzzy Logic for Iris Recognition and Biometry*, 5<sup>th</sup> International Symposium on Computational Intelligence and Intelligent Informatics, ISCIII 2011, September 15-17, 2011, Floriana, Malta, pag. 149-154, ISBN 978-1-4577-1859-5, IEEE Catalog Number: CFP 1136C-CDR, <http://www.trivent.hu/ISCIII2011/index.php?p=invitation>, **DBLP**
40. **Valentina E. Balas**, Soumya Banerjee, *Seeded Text Auto-Summarization: An Experience with Simplified Statistical and Fuzzy Ranking Algorithm*, **15<sup>th</sup> IEEE International Symposium on Computational Intelligence and Informatics, CINTI 2014, November 19-21, 2014 in Budapest, Hungary, ISBN 978-1-4799-5338-7/14, pag. 143-146**
41. Manash Sarkar, Soumya Banerjee and **Valentina E. Balas**, *Configuring Trust Model for Cloud Computing: Decision Exploration Using Fuzzy Reasoning*, INES 2015, IEEE 19<sup>th</sup> International Conference on Intelligent Engineering Systems • September 3–5, 2015, Bratislava, Slovakia, pag. 219-223.
42. D. Jude Hemanth, J. Anitha, **Valentina Emilia Balas**, *Performance Improved Hybrid Intelligent System for Medical Image Classification*, Proceedings of the 7<sup>th</sup> Balkan Conference in Informatics Conference Proceedings, 2-4 September 2015, Craiova, Romania, Article 8, ACM ISBN: 978-1-4503-3335-1, doi>[10.1145/2801081.2801095](https://doi.org/10.1145/2801081.2801095)
43. K.Jagatheesan, B.Anand, Nilanjan Dey, Amira S. Ashour and **Valentina Emilia Balas**, *Proportional-Integral-Derivative (PID) Controller Equipped LFC of Multi-Area Interconnected Power System*, V International Conference Industrial Engineering and Environmental Protection 2015 (IIZS 2015), Zrenjanin, Serbia; October 15-16, 2015, pag. 427-436, ISBN 978-86-7672-259-4
44. Taras Kotyk, Amira S. Ashour, Sayan Chakraborty, Nilanjan Dey and **Valentina E. Balas**, *Apoptosis Analysis in Classification Paradigm: A Neural Network based Approach*, Healthy World Conference 2015 - A Healthy World for a Happy Life, Kakinada (AP) India 5-7 September 2015, Pag. 17-22, <http://www.hwc.2015.org/share/PapersList%Final%29.zip>

45. Ram Kumar, F. A. Talukdar, Nilanjan Dey, Amira S. Ashour, V. Santhi, Valentina E. Balas, Fuqian Shi, *Histogram Thresholding in Image Segmentation: A Joint Level Set Method and Lattice Boltzmann Method based Approach*, 2015 International Conference on Information Technology and Intelligent Transportation Systems (ITITS 2015), 12-13 December 2015, Xi'an, China
46. Sirshendu Hore, Sankhadeep Chatterjee, V. Santi, Nilanjan Dey, Amira S. Ashour, Valentina E. Balas, Fuqian Shi, *Indian Sign Language Recognition using Optimized Neural Networks*, 2015 International Conference on Information Technology and Intelligent Transportation Systems (ITITS 2015), 12-13 December 2015, Xi'an, China
47. Rakesh kumar S, Ramkumar K, Seshadhri Srinivasan, Valentina Emilia Balas, Fuqian Shi, *Self-Calibration of Dead Reckoning Sensor for Skid-Steer Mobile Robot Localization using Neuro-Fuzzy Systems*, 2015 International Conference on Information Technology and Intelligent Transportation Systems (ITITS 2015), 12-13 December 2015, Xi'an, China
48. SMJ Mortazavi, Omid Jaber, Atefeh Zamani, SAR Mortazavi, Valentina E. Balas, Ali Soleimani, Ali Zamani, Masoud Haghani, *The Importance of Quantification of Data in Studies on the Health Effects of Exposure to Electromagnetic Fields Generated by Mobile Base Stations*, The Congress on Information Technology, Computational and Experimental Physics (CITCEP 2015), Kraków, Poland, 18-20 December 2015, Paper 22, pag 113-116
49. Marjan Kuchaki Rafsanjani, Hamideh Fatemidokht, Valentina E. Balas, *A modeling framework for Quality of Service in Mobile Ad hoc Networks*, The Congress on Information Technology, Computational and Experimental Physics (CITCEP 2015), Kraków, Poland, 18-20 December 2015, Paper 30, pag 154-158
50. Marzieh Najariyan, Mehran Mazandarani, Valentina E. Balas, *Modified Reimann-Liouville fuzzy fractional derivative*, The Congress on Information Technology, Computational and Experimental Physics (CITCEP 2015), Kraków, Poland, 18-20 December 2015, Paper 31, pag. 159-170
51. Marius M. Balas, Valentina E. Balas, *The Parallel Shift. A Fundamental Challenge for the Information Technology after 2008*, The Congress on Information Technology, Computational and Experimental Physics (CITCEP 2015), Kraków, Poland, 18-20 December 2015, Paper 47, pag, 242-246
52. Jagatheesan Kaliannan, Anand B, Santhi V, Nilanjan Dey, Amira S. Ashour and Valentina Emilia Balas, *Dynamic Performance Analysis of AGC of Multi-Area Power System Considering Proportional-Integral-Derivative Controller with Different Cost Functions*, IEEE-ICEEOT-2016 conference which is organizing by DMI College of engineering, Chennai, Tamilnadu during 3<sup>rd</sup> to 5<sup>th</sup> March 2016.
53. Seshadhri Srinivasan, Daniel Grossman, Carmen Del Vecchio, Valentina E. Balas, Luigi Glielmo, *Enabling technologies for Enterprise Wide Optimization*, [2015 IEEE 10th International Conference on Industrial and Information Systems \(ICIIS\)](#), 17-20 December, 2015, University of Peradeniya, Akbar Bridge, Peradeniya, Sri Lanka, pag. 434-439, DOI: [10.1109/ICIINFS.2015.7399051](#)
54. Valentina E. Bălaș, Marius M. Bălaș. *Traffic Management by Constant Time to Collision*, Ignac Lovrek, Robert J. Howlett and Lakhmi C. Jain (Eds.), Book: *Knowledge-Based Intelligent Information and Engineering Systems*, 12th International Conference, KES 2008, Zagreb, Croatia, September 3-5, 2008, Proceedings, Part III, LNCS 5179/2008, pag. 658–663, 2008, © Springer-Verlag Berlin Heidelberg 2008, ISBN 978-3-540-85566-8, <http://www.springerlink.com/content/54066776m5814356/>, **DPLB (Computer Science Bibliography) indexed, ACM, SCOPUS indexed, (ARC Cat. B).**
55. Marius M. Bălaș, Valentina E. Bălaș, *Adaptive Rule-Based Reasoning by Qualitative Analysis*, 13 International Conference on Information Processing and Management of Uncertainty, IPMU 2010, Dortmund, Germany, June 28-July 2, Proceedings, Part I, [Communications in Computer and Information Science](#), 2010, Volume 80, Part 3, Part 11, pag. 553-560, E. Hullermeier, R. Kruse, F. Hoffman (Eds.), Springer-Verlag, Berlin –Heidelberg 2010, ISSN 1865-0929, ISBN-10 3-642-14054-8 Springer Berlin Heidelberg NewYork, **SCOPUS Indexed**, <http://www.springerlink.com/content/u50w1n1652815147/> (ARC Cat. C)
56. V. E. Balas, C. M. Noaica, J.R. Popa, C. Munteanu, V. C. Stroescu, *Establishing PNN-Based Iris Code to Identity Fuzzy Membership for Consistent Enrollment*, In volume *Advances in Intelligent Systems and Computing*, Series Ed.: Kacprzyk, Janusz, Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014, July 22-24, 2014, Timisoara, Romania, Guest Editors: Valentina E. Balas, Lakhmi C. Jain, **Branko Kovačević, Springer Verlag, 2016, AISC, Volume 357, ISSN 2194-5357, ISBN 978-3-319-18415-9, Vol. 2, pag. 805-818, (ARC Cat. C, SCOPUS).**
57. N. Popescu-Bodorin, V. E. Balas, *Best Practices in Reporting Iris Recognition Results*, In volume *Advances in Intelligent Systems and Computing*, Series Ed.: Kacprzyk, Janusz, Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014, July 22-24, 2014, Timisoara, Romania, Guest Editors: Valentina E. Balas, Lakhmi C. Jain, **Branko Kovačević, Springer Verlag, 2016, AISC, Volume 357, Volume 2, pag. 925-938, (ARC Cat. C, SCOPUS)**

58. D. Balas Timar, **V. E. Balas**, R. Lile, Rajendra Sinha, *Fuzzy scoring algorithm and long term job performance*, In volume *Advances in Intelligent Systems and Computing*, Series Ed.: Kacprzyk, Janusz, Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014, July 22-24, 2016, Timisoara, Romania, Guest Editors: Valentina E. Balas, Lakhmi C. Jain, **Branko Kovačević**, Springer Verlag, 2014, AISC, Volume 357, Vol. 2, pag. 925-938, (ARC Cat. C, SCOPUS)
59. D. Jude Hemanth, **Valentina E. Balas** and J. Anitha, *Hybrid Neuro-Fuzzy Approaches for Abnormality Detection in Retinal Images*, In volume *Advances in Intelligent Systems and Computing*, Series Ed.: Kacprzyk, Janusz, Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014, July 22-24, 2014, Timisoara, Romania, Guest Editors: Valentina E. Balas, Lakhmi C. Jain, **Branko Kovačević**, Springer Verlag, 2016, AISC, Volume 356, vol. 1, pag. 295-306, (ARC Cat. C, SCOPUS)
60. S. Senthil Kumar, H. Hannah Inbarani, Ahmad Taher Azar, Hala S. Own, **Valentina Emilia Balas**, Teodora Olariu, *Optimistic Multi-Granulation Rough set based Classification for Neonatal jaundice*, In volume *Advances in Intelligent Systems and Computing*, Series Ed.: Kacprzyk, Janusz, Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014, July 22-24, 2014, Timisoara, Romania, Guest Editors: Valentina E. Balas, Lakhmi C. Jain, **Branko Kovačević**, Springer Verlag, 2016, AISC, Volume 356, Vol. 1, pag. 307-318, (ARC Cat. C, SCOPUS)
61. Ahmad Taher Azar, Hanaa S. Ali, **Valentina E. Balas**, Teodora Olariu, Rujita Ciurea, *Diagnosis Boosted Decision Trees for Vertebral Column Disease Diagnosis*, In volume *Advances in Intelligent Systems and Computing*, Series Ed.: Kacprzyk, Janusz, Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014, July 22-24, 2014, Timisoara, Romania, Guest Editors: Valentina E. Balas, Lakhmi C. Jain, **Branko Kovačević**, Springer Verlag, 2016, AISC, Volume 356, Vol. 1, pag. 319-334, (ARC Cat. C, SCOPUS)
62. **Ram Kumar, F. A. Talukdar, Nilanjan Dey, Amira S. Ashour, V. Santhi, Valentina Emilia Balas, Fuqian Shi**, *Histogram Thresholding in Image Segmentation: A Joint Level Set Method and Lattice Boltzmann Method Based Approach*, Volume 2, Proceedings of the 2015 International Conference on Information Technology and Intelligent Transportation Systems ITITS 2015, held December 12-13, 2015, Xi'an China, Editors: Valentina Emilia Balas, Lakhmi C. Jain, Xiangmo Zhao, ISBN: 978-3-319-38769-7, Volume 455 of the series Advances in Intelligent Systems and Computing, 2017, pp 529-539.
63. S. Rakesh kumar, K. Ramkumar, Seshadhri Srinivasan, **Valentina Emilia Balas**, Fuqian Shi, *Self-Calibration of Dead Reckoning Sensor for Skid-Steer Mobile Robot Localization Using Neuro-Fuzzy Systems*, Volume 2, Proceedings of the 2015 International Conference on Information Technology and Intelligent Transportation Systems ITITS 2015, held December 12-13, 2015, Xi'an China, Editors: [Valentina Emilia Balas](#), [Lakhmi C. Jain](#), [Xiangmo Zhao](#), ISBN: 978-3-319-38769-7, Volume 455 of the series [Advances in Intelligent Systems and Computing](#), 2017, pp 541-551.
64. **Sirshendu Hore, Sankhadeep Chatterjee, V. Santhi, Nilanjan Dey, Amira S. Ashour, Valentina Emilia Balas, Fuqian Shi**, *Indian Sign Language Recognition Using Optimized Neural Networks*, Volume 2, Proceedings of the 2015 International Conference on Information Technology and Intelligent Transportation Systems ITITS 2015, held December 12-13, 2015, Xi'an China, Editors: Valentina Emilia Balas, Lakhmi C. Jain, Xiangmo Zhao, ISBN: 978-3-319-38769-7, Volume 455 of the series Advances in Intelligent Systems and Computing, 2017, pp 553-563.

#### International projects - director

1. **Project no.** 015942, **Project acronym** CEEC IST NET, FP 6, 2005-2006.  
**Project title** SUPPORT TO ORGANISATIONS FROM THE CENTRAL AND EASTERN EUROPEAN COUNTRIES,  
 Thematic Priority: Information Society Technologies  
 Deliverable D 4.1.8: NATIONAL MAPPING REPORT for ROMANIA, 20 April 2006, Duration: 24 month  
**Director Stiintific din partea UAV – Valentina E. Balas (pag.87)**  
[https://slideblast.com/project-no-015942-project-acronym-ceec-ist-net-project-title-\\_595ceac01723dd8e40283dc3.html](https://slideblast.com/project-no-015942-project-acronym-ceec-ist-net-project-title-_595ceac01723dd8e40283dc3.html)
2. **Grant Internațional – NSF Awards ENG-1047778 and ENG-1047714– Collaborative Research - oferit de** Georgia Institute of Technology, School of Materials Science and Engineering, Atlanta, Georgia, USA, **WIRES 2011** (Women's International Research Engineering Summit), Pathways to International Collaborations, 30 Martie - 2 Aprilie 2011, *Șef de program - Valentina E. Bălaș, grant castigat prin competitie*  
<http://wires.gatech.edu/main.php>,  
<http://www.wires.gatech.edu/committee.php>,  
<http://wires.gatech.edu/resources/WIRES2-agenda.pdf>



3. Global Initiative for Academic Network (**GIAN**) programme approved by Union Cabinet in Higher Education aimed at tapping the talent pool of Scientist and Entrepreneur Internationally to encourage their engagement with the institutes of higher Education in India so as to augment the country's existing academic resources, accelerate the pace of quality reform, and elevate India's scientific and technological capacity to global excellence.  
**IIT Kharagpur- the national coordinator for India**  
**Valentina E. Balas – responsible Romanian partner**  
**Funding of GIAN: 12.000 USD,**  
**Proiect câștigat prin competitive in India** - Mai 2016, derulat in septembrie 2016, singurul profesor selectat din Romania.  
<http://www.sici.org/programmes/details/global-initiative-for-academic-network-gian-programme/>  
[http://www.nits.ac.in/gian/Brochure\\_Fuzzy\\_Interpolative\\_Controller\\_and\\_Appln\\_V\\_Balas.pdf](http://www.nits.ac.in/gian/Brochure_Fuzzy_Interpolative_Controller_and_Appln_V_Balas.pdf)
4. **Un numar de 35 Travel granturi a cate 3000 EURO** fiecare pentru sustinerea de conferinte invitate si demararea de cercetari comune in Japonia, Taiwan, China, India, Singapore, USA, Pakistan, Iran, Rwanda.

National projects - director

**More than 25 projects to the Research Institute for Railway Coaches CCSIT Arad as director.**

1. *Masă de poziționare și rotire 1000 Kg pt. programul nuclear (responsabil - partea electrică V. E. Balas).* Cod: 291-**84** MPR. Beneficiar: ISIM Timișoara. Executant: C.C.S.I.T.V.A. Valoare: 100.000 ROL.
2. *Masă de poziționare și rotire 4000 Kg, pentru programul nuclear (responsabil - partea electrică V. E. Balas).* Cod: 292-**84**MPR. Beneficiar: ISIM Timișoara. Executant: C.C.S.I.T.V.A. Valoare: 150.000 ROL.
3. *Instalație pentru debitarea tablei din rulou (responsabil - partea electrică V. E. Balas).* Cod: 2-**85** ISP. Beneficiar: I.V.Caracal. Executant: C.C.S.I.T.V.A. Valoare: 140.000 ROL.
4. *Boghiu metrou generația a II-a (responsabil - partea electrică V. E. Balas)*Cod: 5-**85**-BMG II. Beneficiar: I.V.ARAD. Executant: C.C.S.I.T.V.A. Valoare: 200.000 ROL.
5. *Mașina de roluit corpul cilindrului de frână (responsabil - partea electrică V. E. Balas).* Cod: 6-**85**MUS. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 1.000.000 ROL.
6. *Mașina de roluit capace cilindrul de frână (responsabil - partea electrică V. E. Balas).* Cod: 16-**85**MUS. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 700.000 ROL.
7. *Agregat de găurit multiax taler tampon (responsabil - partea electrică V. E. Balas).* Cod: 47-**85**AG. Beneficiar: I.V.Drobeta Tr.Severin. Executant: C.C.S.I.T.V.A. Valoare: 300.000 ROL.
8. *Agregat de găurit placa de bază tampon PKP-Polonia (responsabil - partea electrică V. E. Balas).* Cod: 52-**85**AG. Beneficiar: I.V.Drobeta Tr.Severin. Executant: C.C.S.I.T.V.A. Valoare: 250.000 ROL.
9. *Agregat de găurit leviere (responsabil - partea electrică V. E. Balas).* Cod: 6-**86**AG. Beneficiar: I.V.Caracal. Executant: C.C.S.I.T.V.A. Valoare: 250.000 ROL.
10. *Mașina de bordurat și retăiat cilindrul de frână (responsabil - partea electrică V. E. Balas).* Cod: 16-**86**MBR. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 400.000 ROL.
11. *Stand derulat cabluri (responsabil - partea electrică V. E. Balas).* Cod: 25-**86**ST. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 270.000 ROL.
12. *Cercetări privind realizarea unei instalații complexe pentru efectuarea încercărilor dinamice tip AAR (SUA), (responsabil - partea electrică V. E. Balas).* Cod: 51-**87**STC. Beneficiar: C.C.S.I.T.V.A. Executant: C.C.S.I.T.V.A. Valoare: 1.200.000 ROL.
13. *Stand complex pentru încercat cuple metrou (responsabil - partea electrică V. E. Balas).* Cod: 6-**88**STC. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 300.000 ROL.
14. *Vagon dinamometric (responsabil - instalația TV prin cablu, interfon, sonorizare V. E. Balas).* Cod: 207. 1988, Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 2.500.000 ROL.
15. *Tehnologie de sudare a stâlpilor de la vagoanele tip Gondolă cu comandă program în mediu protector tip CO<sub>2</sub> (responsabil - partea electrică V. E. Balas).* Cod: 24-**89** ISR. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 1.000.000 ROL.
16. *Troliu pentru deplasat longitudinal la nituire (responsabil - partea electrică V. E. Balas).* Cod: 4-**90** D. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 150.000 ROL.
17. *Instalație pentru vopsit vagoane în câmp electrostatic (responsabil - partea electrică V. E. Balas).* Cod: 6-**91** ISR. Beneficiar: M.E.V.A. Dr. Tr.- Severin. Executant: C.C.S.I.T.V.A. Valoare: 700.000 ROL.
18. *Vagon transport agabaritic pe 24 osii (responsabil - partea electrică V. E. Balas).* Cod: 653.36-36., 1991, Beneficiar: Electroputere Craiova. Executant: C.C.S.I.T.V.A. Valoare: 1.500.000 ROL.
19. *Vagon comandă personal (responsabil - instalații electrice speciale V. E. Balas).* Cod: AAP., 1992, Beneficiar: Ministerul Apărării Naționale. Executant: C.C.S.I.T.V.A. Valoare: 200.000 ROL.
20. *Vagon clinic și radiologic (responsabil - instalații electrice speciale V. E. Balas).* Cod: AAT., 1992, Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 220.000 ROL.
21. *Vagon farmacie (responsabil - instalații electrice speciale V. E. Balas).* Cod: AAV., 1992, Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 200.000 ROL.
22. *Vagon uzină (responsabil - instalații electrice speciale V. E. Balas).* Cod: AAW., 1992, Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 300.000 ROL.

23. *Vagon sală de operații (responsabil - instalații electrice speciale V. E. Balas)*. Cod: AAR, 1992, Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 175.000 ROL.
24. *Vagon reanimare și transport răniți (responsabil - instalații electrice speciale V. E. Balas)*., 1993, Cod: AAS. Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 200.000 ROL.
25. *Vagon sală pansamente (responsabil - instalații electrice speciale V. E. Balas)*., 1993, Cod: AAU. Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 200.000 ROL.
26. **Grant CNCSU Nr. 107, obținut prin competiție- Dispozitive, Circuite și Microsisteme” in cooperare cu Universitatea „Politehnica” București prin Banca Mondială.** Cod: CNCSU, Nr. 107. Executant: Universitatea Politehnica Timișoara. Bursa - **V. E. Balas** luna noiembrie 1999, Senzori inteligenți fuzzy, in cadrul laboratorului LAMII, Annecy, Franța. Valoare: 2000\$.
27. **Grant CNCSU Nr. 107, obținut prin competiție- Dispozitive, Circuite și Microsisteme” in cooperare cu Universitatea „Politehnica” București prin Banca Mondială.** Cod: CNCSU, Nr. 107. Executant: Universitatea Politehnica Timișoara. Bursa - **V. E. Balas**, luna ianuarie 2001, Senzori inteligenți fuzzy, in cadrul laboratorului LAMII, Annecy, Franța, Valoare: 2000\$.
28. **Proiect obținut prin competiție: Organizarea Școlii de Vară – „Soft Computing” – ediția a II-a, cu participare internațională, în limba engleză.** Iulie 2003. Universitatea „Aurel Vlaicu” din Arad. **Director - V. E. Bălaș**, colaborator – Consiliul Județean Arad, Centrul Cultural. Valoare: 2.000 RON.
29. **Proiect obținut prin competiție: Organizarea Școlii de Vară – „Soft Computing” – ediția a III-a, cu participare internațională, în limba engleză.** August 2004. Universitatea „Aurel Vlaicu” din Arad. **Director - V. E. Bălaș**, colaborator – Consiliul Județean Arad, Centrul Cultural. Valoare: 2.500 RON.
30. **Proiect obținut prin competiție: Organizarea Școlii de Vară – „Soft Computing” – ediția a IV-a, cu participare internațională, în limba engleză.** Iulie 2005, Dispozitia 228/18.05 2005, Universitatea „Aurel Vlaicu” din Arad. **Director - V. E. Bălaș**, colaborator – Consiliul Județean Arad, Centrul Cultural. Valoare: 8.000 RON.
31. **Proiect obținut prin competiție: Organizarea Școlii de Vară – „Soft Computing” – ediția a V-a, cu participare internațională, în limba engleză.** Iulie 2006. Universitatea „Aurel Vlaicu” din Arad, **Director - V. E. Bălaș**, colaborator – Consiliul Județean Arad, Centrul Cultural. Valoare: 3.000 RON.
32. **Contract de cercetare obținut prin competiție de la SC TAKATA SA: Laborator automatizari cu Echipament Mitsubishi PLC**, septembrie 2007, Universitatea „Aurel Vlaicu” din Arad, **Director de contract - Valentina E. Bălaș**, 1600 EURO.
33. Contract de finantare UEFISCDI - **48/29.11.2016** - Subprogram 1.1 - Resurse Umane - Proiecte de mobilitate pentru cercetatori cu experienta din diaspora – cod **depunere PN-III-P1-1.1-MCD2016-0108, Responsabil – Valentina E. Balas**, Cercetator din diaspora – Dan Ralescu, Universitatea Cincinnati, USA, Valoare - **2100 EURO**, proiect obținut prin competiție nationala.
34. **Proiect obținut prin competiție**, Centrul Municipal de Cultura Arad - CMCA, Contract nr. 4862/10.08.2016, **23.000 lei**,  
Director de proiect – **Valentina E. Balas**, Soft Computing and Applications.
35. **Contract de cercetare obținut prin competiție cu SC CONTACT PLUS SRL Arad.** „ Cercetari privind dezvoltarea unor noi metode de fuzionare a cunostințelor si aplicatii”, Mai 2005, Nr. 1570/11.05 2005, Universitatea „Aurel Vlaicu” din Arad. **Șef de contract - V. E. Balas**. Valoare: 5.000.000 ROL.
36. **Contract de cercetare obținut prin competiție Nr. 05/12.12.2007 cu SC Ovidiu Nicola SRL** „Cercetări privind realizarea unui senzor pentru ploaie”, Universitatea „Aurel Vlaicu” din Arad, **Responsabil de contract - Valentina E. Balas** , 1.000 RON
37. **Contract de cercetare obținut prin competiție Nr. 2726/22.05.2008 cu SC Ready SRL** „Cercetări privind aplicații ale inteligenței artificiale în tehnică”, Universitatea „Aurel Vlaicu” din Arad, **Responsabil de contract - Valentina E. Balas**, 1.000 Ron
38. **Contract de cercetare obținut prin competiție Nr. 433/19.02.2010 cu SC Ready SRL** „Cercetări privind aplicații in domeniul sistemelor inteligente”, Universitatea „Aurel Vlaicu” din Arad, **Responsabil de contract - Valentina E. Balas**, 500 Ron.
39. **Contract de cercetare obținut prin competiție Nr. 5095.05.11.2010 cu SC Computer Voice Systems Romania SRL** „Cercetări privind Studiul oportunității utilizării tehnologiei GWT pentru aplicațiile web cu flux de date real time”, Universitatea „Aurel Vlaicu” din Arad, **Responsabil de contract - Valentina E. Balas**, 1000 Ron.
40. Competiția Premiara rezultatelor cercetarii in Universitatea Aurel Vlaicu Arad, martie 2016, 2100 Euro – **Valentina E. Balas**.
41. Proiect obținut prin competiție cu Centrul Municipal de Cultura Arad - CMCA, Programul Tineret, Învățământ și Recreative 2017, pozitia 20, 12.200 lei, **Director de proiect – Valentina E. Balas**, Cercetari in domeniul Pancreasului Artificial.
42. Contract de cercetare stiintifica obținut prin competiție nr. 9542/22.12.2017, cu SC Contact Plus SRL Arad, „Modelarea, simularea, experimentarea si validarea unor noi metode avansate de soft computing in domeniul controlului cladirilor inteligente”, **Director de proiect – Valentina E. Balas**, Valoare 40.000 lei (10.000 \$).

1. Program Internațional, **Proiecte de Cooperare Bilaterală/Multilaterală, Programul: Capacități /Modul III, Cooperare Bilaterală între România și Bulgaria**, Titlu: "*Electronic Health Records for the Next Generation Medical Decision Support in Romanian and Bulgarian National Healthcare Systems*", Acronim: **NextGenElectroMedSupport**, Instituția conducătoare în țară este Universitatea Petru Maior din Târgu Mureș, universitatea conducătoare din Bulgaria este Universitatea Tehnică din Sofia. Directori de proiect: Bulgaria - Prof. dr. Roumen Kountchev Technical University from Sofia, Bulgaria, Romania - director general - Barna Iantovics, Membri /cercetători în echipă: **Valentina E. Bălaș**, Marius M. Bălaș, **august 2010-august 2012**.
2. Program Internațional, **Planul Național pentru Cercetare Dezvoltare și Inovare 2007-2013-PN II, Capacități /Modul III, Proiecte de Cooperare Bilaterală/Multilaterală**, Cooperare Bilaterală între România și Slovacia Titlu: "**Hybrid Medical Complex Systems**", Acronim: ComplexMediSys CO: Universitatea Petru Maior din Targu Mureș CO: Academia Slovaca de Științe, Bratislava Directori. Ladislav Hluchý (Slovacia) și Barna Iantovics (Romania) Membri /cercetători în echipă: **Valentina E. Bălaș**, Marius M. Bălaș, **ianuarie 2011-ianuarie 2013**.
3. National Science Foundation (NSF), Agency Contract Number: 0948297, Project type: Basic Research, Period: 07/20/2009 to 10/15/2010, Principal Investigator: Pamela McCauley-Bush, The objective of this grant is to establish an international collaboration with two female engineering faculty members in Romania to further the research being conducted by the Human Factors and Simulation in Disaster Management Research Team at the University of Central Florida. The UCF HFDM Research is led by Dr. Pamela McCaulry Bush and the collaborative partners are Dr. Valentina Balas and Mihaela Albu.  
[https://argis.research.ucf.edu/index.cfm?fuseaction=detail.view\\_proposal\\_detail&rec\\_id=1049585&rec\\_type=research](https://argis.research.ucf.edu/index.cfm?fuseaction=detail.view_proposal_detail&rec_id=1049585&rec_type=research)

#### National Projects - member

1. **Grant CNCISIS „Cercetări pentru implementarea strategiilor bazate pe logica fuzzy și rețele neuronale destinate detecției și diagnosticării defectelor, cu aplicație la sistemele de conducere a acțiunilor electrice”**. Iulie 2004. Executant principal: Universitatea „Politehnica” Timișoara. **membri UAV – M.M. Balas și V. E. Bălaș**. Valoare: 800 EURO.
2. **Grant PN – II WE Cod CNCISIS: 47**, Contract de cofinanțare cu Autoritatea Națională pentru Cercetarea Științifică Nr. 316 / 09.04.2008, Workshop Exploratoriu „*De la limbaj natural la soft computing: noi paradigme ale inteligenței artificiale*”, Responsabil Institutul de Cercetări pentru Inteligența Artificială al Academiei Române – Acad. Dan Ioan Tufiș, 30.000 Ron, **Colaborator – Valentina E. Bălaș**,
3. **POSDRU/89/1.5/S/56287, Programe postdoctorale în avangarda cercetării de excelență în Tehnologiile Societății Informaționale și dezvoltarea de produse și procese inovative**, Proiect cofinanțat din Fondul Social European prin Programul Operațional Sectorial Dezvoltarea Resurselor Umane 2007-2013, Proiect implementat de Institutul Național de Cercetare-Dezvoltare pentru Textile și Pielarie – INCDTP în parteneriat cu Academia de Studii Economice București - Centrul de Cercetări Analize și Politici Regionale, Universitatea din Oradea și ASSOCIATION GROUPE ESSEC, **Membri al grupului țintă – Valentina E. Bălaș**, Activitatea 4 – Formarea și perfecționarea în cadrul programelor pilot de pregătire postdoctorală prin cursuri susținute de ESSEC Business School – Franța.
4. Membru în colectivul grantului, **Responsabil WP 3** din Programul Operațional Competitivitate 2014-2020, Axa prioritară 1 – Cercetare, dezvoltare tehnologică și inovare (CDI) în sprijinul competitivității economice și dezvoltării afacerilor, Acțiunea 1.1.4 – Atragerea de personal cu competențe avansate din străinătate pentru consolidarea capacității de CDI. Titlul Proiectului: *Noi nano-arhitecturi de inspirație biologică de tip celular – pentru circuite integrate, Nano-ART-BioCell – P\_37\_744*, **valoare 8.502.600 lei, 2016-2019**  
**Responsabil la pachetul WP 3 – Valentina E. Balas**
5. **Contract de cercetare obținut prin competiție** Nr. 03 din 10.10.2013 cu SC S.C MBB S.R.L “*Modelarea și simularea proceselor de tratament termic*”, Universitatea „Aurel Vlaicu” din Arad, **Responsabil de contract – Marius M. Balas**, Membru în echipa de cercetare - **Valentina E. Balas**, 1000 Ron

#### Editor/Co-Editor

1. **Guest Editor la Journal of Intelligent and Fuzzy Systems, Editor Reza Langari, USA, Volume 19, Number 1 / 2008, Special Issue on Soft Computing and Applications, IOS Press, ISSN 1064-1246 (Print) 1875-8967 (Online), pp. 1-2, <http://iospress.metapress.com/content/q0h6213h3k20/>, ISI Journal (impact factor: 0,649).**
2. **Co-Guest Editor (Chee Peng Lim, Lakhmi C. Jain, Ngoc Thanh Nguyen and Valentina E. Balas) pentru Special Issue la Fuzzy Optimization and Decision Making, A Journal of Modeling and Computation Under Uncertainty, ISSN: 1568-4539 (Print) 1573-2908 (Online), Publisher: Springer Netherlands, 2008, Volume 7,**

Number 3/ September 2008, Special Issue: Advances in Computational Intelligence Paradigms and Applications, pages 215-217, <http://link.springer.com/article/10.1007%2Fs10700-008-9031-4> , **ISI Journal**.

**3.Co-Guest Editor**, Ngoc Thanh Nguyen, Chee Peng Lim, Lakhmi C. Jain, **Valentina E. Balas** la Journal of Intelligent and Fuzzy Systems, Editor Reza Langari, USA, Volume 20, Issue 1,2 April **2009**, Special Issue: Theoretical advances and applications of intelligent paradigms, IOS Press, ISSN 1064-1246 (Print) 1875-8967 (Online), Guest Editorial: *Theoretical advances and applications of intelligent paradigms* pp. 1-2, **ISI Journal (impact factor: 0,649)**.

**4.Guest Editors**, Valentina E. Balas, Ioan Dzitac, Horia-Nicolai Teodorescu - INTERNATIONAL JOURNAL of COMPUTERS, COMMUNICATIONS & CONTROL, ISSN 1841-9836, E-ISSN 1841-9844 . Year: **2011** Volume: 6 Number: 3 (September), *This Issue is Dedicated to Professor Lotfi A. Zadeh on the Occasion of his 90th Birthday*, Agora University Editing House, ISSN 1841-9836, **ISI Journal**.

**5.** Asociat Editor la **Acta Polytechnica Hungarica**, Journal of Applied Sciences, ISSN 1785-8860, Hungary, <http://www.uni-obuda.hu/journal/> , **ISI Journal, IF=0,284/2010**.

**6. Guest Editor** la **Special Issue** on Fuzzy Engineering and Intelligent Transportation (Guest Editors : Prof. Xiangmo Zhao, Prof. **Valentina Emilia Balas** and Prof. Fuqian Shi), International Journal of INFORMATION (INFORMATION-TOKYO), Editing Asian Information-Science-Life (NOVA Sci. Pub., USA), [http://www.information-iii.org/information\\_journal.html](http://www.information-iii.org/information_journal.html) , Vol.15, No.6, June, 2012, [http://www.information-iii.org/abs\\_e2.html#No6-2012](http://www.information-iii.org/abs_e2.html#No6-2012), **ISI Journal, Impact Factor (IF) = 0.25 (2011)**.

**7. Guest Editor** la **Special Issue** Recent advances in soft computing: Theories and applications, Journal of Intelligent & Fuzzy Systems, (Guest Editors: Chee Peng Lim, **Valentina Emilia Balas** and Quoc Do), <http://iospress.metapress.com/content/56qw7161m6573240/fulltext.pdf> , **ISI Journal**.

**8. Guest Editor** la **Soft Computing Applications**, Proceedings of the 5th International Workshop Soft Computing Applications (SOFA 2012)

Series: **Advances in Intelligent Systems and Computing**, Vol. 195

Balas, V.E.; Fodor, J.; Várkonyi-Kóczy, A.R.; Dombi, J.; Jain, L.C. (Eds.) 2013

ISBN 978-3-642-33941-7, **ISI Proceedings**.

**9.** Lead Guest Editor la **Mathematical Problems in Engineering**, ISSN: 1024-123X (Print), ISSN: 1563-5147 (Online), Fuzzy Computing and Intelligent Transportation, <http://www.hindawi.com/journals/mpe/si/702023/cfp/> , <http://www.hindawi.com/journals/mpe/> , **ISI Journal, IF = 0,548**.

**10. Organizator și General Co-Chair** la The 2<sup>nd</sup> IEEE International Workshop on Soft Computing Applications - SOFA 2007, 21-23 August 2007, Gyula -Hungary / Oradea – Romania, <http://www.trivent.hu/SOFA2007/> (**categoria C în ARC**)

**11. Co-Chair impreuna cu Lotfi A. Zadeh la conferința invitată „Mind Your Words! You Might Convey What You Wouldn't Like To”** a Acad. Dan Tufis, la EWNLC, **Băile Felix Spa, Romania, 15-17 May 2008**, <http://www.iccc.univagora.ro/iccc-2008/>

**12. Organizator și Co-Chair al unei Special Session la KES 2008:** Novel Foundation and Applications of Intelligent Systems, 12th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems, 3-5 September 2008, Zagreb, Croatia, <http://kes2008.kesinternational.org/>; <http://kes2008.kesinternational.org/KES2008-program.pdf>

**13. Organizator și General Co-Chair** la The 3<sup>rd</sup> IEEE International Workshop on Soft Computing Applications - SOFA 2009, 29 July-1 August 2009, Szeged –Hungary/Arad – Romania, <http://www.trivent.hu/2009/sofa2009/> (**categoria C în ARC**)

**14. Chair** la Plenary Session a Prof. Jun Wang – Hong Kong - Neurodynamic Optimization with Its Application for Model Predictive Control, la The 3<sup>rd</sup> IEEE International Workshop on Soft Computing Applications - SOFA 2009, 29 July-1 August 2009, Szeged –Hungary/Arad – Romania, <http://www.trivent.hu/2009/sofa2009/> (**categoria C în ARC**)

**15. Chair** la Plenary Session a Prof. Pamela McCauley Bush - USA - A Research Based Approach to Predictive Simulation in Disaster Management - la The 3<sup>rd</sup> IEEE International Workshop on Soft Computing Applications - SOFA 2009, 29 July-1 August 2009, Szeged –Hungary/Arad – Romania, <http://www.ieee-sofa2009.org/>

**16. Program Committee Co-Chair** la ISCIII'09, 4<sup>th</sup> International Symposium on Computational Intelligence and Intelligent Informatics, October, 21 – 25, 2009, Egypt, <http://www.trivent.hu/ISCIII2009/index.php?p=chairs>

**17. Chair** al Workshop on Applied Computational Intelligence, organizat in cadrul ISCIII'09 Proceedings, 4<sup>th</sup> International Symposium on Computational Intelligence and Intelligent Informatics, 21-25 October 2009, Egypt, 24 October 2009.

**18. Technical Committee** la KES Focus Group on Intelligent Decision Technologies, 2010, KES International, <http://www.kesinternational.org/idt-focus.php> , (**categoria B în ARC**)

**19. Organizator si General Co-Chair** la The 4<sup>th</sup> IEEE International Workshop on Soft Computing Applications - SOFA 2010, 15-17 July 2010, Arad – Romania, <http://trivent.hu/2010/sofa/>, (**categoria C în ARC**)



20. Publicity Co-Chair la IEEE International Conference on Fuzzy Systems 2011 - FUZZ-IEEE 2011, June 27-June 30, 2011, International Convention Center (TICC), Taipei, Taiwan, <http://www.fuzz-ieee2011.org>, (categoria A în ARC)
21. Organizator si Co-Chair la Sesiunea Speciala: SS32: Special Session on Adaptive Fuzzy Logic Control la IEEE International Conference on Fuzzy Systems 2011 - FUZZ-IEEE 2011, June 27-June 30, 2011, International Convention Center (TICC), Taipei, Taiwan, <http://www.fuzz-ieee2011.org>; <http://fuzziieee2011.nutn.edu.tw/download/FUZZ-IEEE%202011-SS32-12082010.pdf> , (categoria A în ARC)
22. Organizator si Co-Chair la Sesiunea Speciala: SS33: Special Session on Fuzzy and Paraconsistent Intelligent Systems la IEEE International Conference on Fuzzy Systems 2011 - FUZZ-IEEE 2011, June 27-June 30, 2011, International Convention Center (TICC), Taipei, Taiwan, <http://www.fuzz-ieee2011.org>; <http://www.fuzz-ieee2011.org/download/FUZZ-IEEE%202011-SS33-12082010.pdf> , (categoria A în ARC)
23. Organizator si Co-Chair la Sesiunea Speciala Computational Intelligence Methods to Benefit Society, KES 2011 – 15<sup>TH</sup> INTERNATIONAL CONFERENCE ON KNOWLEDGE-BASED AND INTELLIGENT INFORMATION & ENGINEERING SYSTEMS: 12-14 SEPTEMBER 2011, KAISERSLAUTERN, GERMANY, (categoria B în ARC)  
<http://kes2011.kesinternational.org/cms/user/ISdisplay.php>,  
<http://kes2011.kesinternational.org/cms/userfiles/cfp-is02.pdf> (categoria B în ARC)
24. Program Committee Co-Chair la 5<sup>th</sup> International Symposium on Computational Intelligence and Intelligent Informatics, ISCIII'11, September, 15 – 17, 2011, Floriana, Malta, <http://www.trivent.hu/ISCIII2011/index.php?p=chairs>
25. Co-organizator a unei Sesiuni Speciale New Directions in Fuzzy Adaptive Control, Session organizers Valentina E. Balas and Tsung-Chih Lin FUZZ-IEEE'2012, at WCCI'2012, Brisbane, Australia, June 10-15, 2012, <http://www.uav.ro/files/call/Special%20session.pdf> , (categoria A în ARC)
26. **Organizator si General Co-Chair** la The 5<sup>th</sup> IEEE International Workshop on Soft Computing Applications - SOFA 2012, 22-24 August 2012, Szeged-Hungary, <http://ieee-sofa2012.org/>, (categoria C în ARC)
27. Organizator al unei Sesiuni Speciale la FUZZ-IEEE 2013, 7-10 Iulie, 2013, Hyderabad, India, SS-24: New Trends in Fuzzy Adaptive Control, <http://www.isical.ac.in/~fuzziieee2013/?q=node/73> (categoria A în ARC)
28. Publication and Proceedings Chair la 5<sup>th</sup> International Conference on Computers Communications and Control, ICCCC 2014, Băile Felix, Oradea, România, May 7-9, 2014, <http://univagora.ro/icccc2014/>
29. Co-Organizator al unei Sesiuni Speciale la FUZZ-IEEE 2014, 6-11 Iulie, 2014, Beijing, China, SS: FZ-03: *Adaptive Fuzzy Control for Nonlinear Time-delay Systems Control*, Valentina E. Balas, Tsung-Chih Lin, Rajeeb Dey, <http://www.ieee-wcci2014.org/accepted-ss.htm>
30. Co-Organizator al unei Sesiuni Speciale la FUZZ-IEEE 2014, 6-11 Iulie, 2014, Beijing, China, SS:FZ-26: *Fuzzy Techniques in Biometrics*, Valentina E. Balas, Nicolaie Popescu-Bodorin, <http://www.ieee-wcci2014.org/accepted-ss.htm>
31. Co-Organizator al unei Sesiuni Speciale la FUZZ-IEEE 2014, 6-11 Iulie, 2014, Beijing, China, SS: NN-29 *Hybrid: Advances, Applications and Practical Implementations of Neuro-Fuzzy systems-* Ahmad Taher Azar, Valentina E. Balas, Rajeeb Dey, <http://www.ieee-wcci2014.org/accepted-ss.htm>
32. Organizator a 3 Sesiuni Speciale la FUZZ-IEEE 2015, Istanbul, <http://fuzziieee2015.org/program/special-sessions/>
- 33 Publicity Co-Chair la WCCI 2016, Vancouver, Canada, <http://www.wcci2016.org/committees.php>
33. Organizator si General Co-Chair la The 4<sup>th</sup> IEEE International Workshop on Soft Computing Applications - SOFA 2016, 24-26 August 2016, Arad – Romania, <http://trivent.hu/2010/sofa/>, (categoria C în ARC)
34. Organizator a 3 Sesiuni Speciale la FUZZ-IEEE 2017, Neaple, Italy, 2017,

#### Reviewer to ISI journals:

1. Neurocomputing, ISSN 0925-2312, ISI impact factor: 2,102
2. IEEE Transactions on Fuzzy Systems, ISSN 1063-6706, ISI impact factor: 6,306
3. IEEE Transactions on Industrial Electronics, ISSN 0278-0046, ISI impact factor: 6,5
4. IEEE Transactions on Industrial Informatics, ISSN 1551-3203, ISI impact factor: 8,78
5. IEEE TSMC part B, Transactions on Systems, Man, and Cybernetics Part B, ISSN 1083-4419, ISI impact factor: 3,23
6. Journal of Intelligent and Fuzzy Systems, ISSN 1064-1246, ISI impact factor: 0,936
7. Applied Soft Computing, ISSN 1568-4946, ISI impact factor: 2,97

8. Information Fusion, ISSN 1566-2535, ISI impact factor: 2,86
9. Communications in Nonlinear Science and Numerical Simulations, ISSN 1007-5704, ISI impact factor: 2,54
10. International Journal of Computers, Communications & Control (IJCCC), ISSN 1841-9844, ISI impact factor: 0,694
11. Nonlinear Dynamics, ISSN 0924-090X, ISI impact factor : 2,41
12. Journal for Theory and Application in Mechanical Engineering, ISSN 1429-2955, ISI impact factor: 0,2
13. **Soft Computing, ISSN 1432-7643, ISI impact factor: 1,30**
14. Acta Polytechnica Hungarica, ISSN 1785-8860, ISI impact factor: 0,588
15. Journal of Function Spaces and Applications, ISSN 0972-6802, ISI impact factor: 0,65
16. *The Asia-Pacific Education Researcher (TAPER)*, ISSN 0218-8791, ISI impact factor: 0,79
17. Neural Computing and Applications, ISSN 0941-0643, ISI impact factor: 1,76
18. Journal of Applied Mathematics, ISSN 1110-757X, ISI impact factor: 0,2
19. IET Control Theory and Applications, ISSN 1751-8644, ISI impact factor: 1,177
20. International Journal of Mathematics and Mathematical Sciences, ISSN 0129-167X, ISI impact factor: 0,1
21. Biomedical Signal Processing and Control, ISSN 1746-8094, ISI impact factor: 1,68
22. Abstract and Applied Analysis, ISSN 1085-3375, ISI impact factor: 0,784
23. Journal of Real-Time Image Processing, ISSN 1861-8200, ISI impact factor: 1,11
24. International Journal of Advanced Robotic Systems, ISSN 1729-8806, ISI impact factor: 0,57
25. International Journal of Imaging Systems and Technology, ISSN 0899-9457, ISI impact factor 0,76
26. Mathematical Problems in Engineering, ISSN 1024-123X, ISI impact factor: 1,08
27. Safety Science, Elsevier, ISSN: 0925-7535, ISI impact factor: 2,02
28. Natural Hazards, ISSN: 0921-030X, ISI impact factor: 1,1
29. Journal of Medical Systems, ISSN: 1573-689X, ISI impact factor: 1,37
30. Theoretical and Applied Climatology, ISSN: 0177-798X, ISI impact factor: 0,98
31. Computer Methods and Programs in Biomedicine, ISSN: 0169-2607, ISI impact factor: 1,48
32. Asian Journal of Control, Online ISSN: 1934-6093, ISI impact factor: 1,41

### Selectie

**Membră in Editorial Board la International Journal of Intelligent Decision Technologies**, ISSN: 1872-4981, IOS Press, Nieuwe Hemweg 6B, 1013 BG Amsterdam, The Netherlands  
<http://www.iospress.nl/loadtop/load.php?isbn=18724981>, 2007-2011, 2013 - **BDI indexed**.

Organizator și General Co-Chair al Workshopului Internațional IEEE – SOFA 2005, 27-30 august 2005, Arad – Szeged, <http://www.trivent.hu/IEEEESOFA2005/index.html> (categoria C în ARC)

Session Chair la Plenary Session a Prof. Lotfi A. Zadeh at IEEE International Workshop SOFA 2005, [http://www.trivent.hu/IEEEESOFA2005/07\\_tentativeprogram.html](http://www.trivent.hu/IEEEESOFA2005/07_tentativeprogram.html)

Membră în Editorial Review Board la UBICC journal (the Ubiquitous Computing and Communication Journal), 2007, Volume 4, ISSN 1992-8424.

Editor Asociat la Journal of Computer Science and Control Systems (JCSCS), P-ISSN: 1844-6043  
<http://electroinf.uoradea.ro/index.php/editorial-board.html> , din 2008, Revista **CNCSIS B+**.

**Membră în Editorial Advisory Board la Computational Intelligence and its Applications (COMIA) Book Series**-Information Science Publishing, USA, ISBN: 1935-3731  
<http://www.igi-global.com/book-series/computational-intelligence-its-applications-comia/37140#editorial-advisory-board> , 2008, **BDI indexed**.

Co-Editor la Computational Intelligence Paradigms, Innovative Applications, Series: [Studies in Computational Intelligence](#) , Vol. 137, Jain, L.C.; Sato-Ilic, M.; Virvou, M.; Tsihrintzis, G.A.; Balas, V.E.; Abeynayake, C. (Eds.), 2008, VIII, 282 p. 127 illus., Hardcover, ISBN: 978-3-540-79473-8, Springer, <http://www.springer.com/engineering/computational+intelligence+and+complexity/book/978-3-540-79473-8>, **DPLB (Computer Science Bibliography) indexed, ACM indexed**.

Co-Editor Șef la **International Journal of Advanced Intelligence Paradigms (IJAIP)**, ISSN (Online): 1755-0394 - ISSN (Print): 1755-0386, **INDERSCIENCE PUBLISHER**, <http://www.inderscience.com/browse/index.php?journalCODE=ijaip> , din 2008, **INSPEC, SCOPUS, ACM, DBLP, ERA**.

Membră în Editorial Board la **International Journal of Granular Computing, Rough Sets and Intelligent Systems (IJGRSIS)**, ISSN (Online): 1757-2711 - ISSN (Print): 1757-2703, **INDERSCIENCE PUBLISHER**, din 2008, <http://www.inderscience.com/jhome.php?jcode=ijgrsis#edboard> , **DBLP, SCIRUS indexed**.

Co-Editor la **Studies in Computational Intelligence**, Berlin: Springer 2009 – Vol. 196 - Soft Computing Based Modeling in Intelligent Systems 2009, Eds. Valentina Emilia Balas, Annamaria Varkonyi-Koczy, Janos Fodor, ISBN 978-3-642-00447-6, 206 pag. <http://www.springer.com/engineering/book/978-3-642-00447-6>, **SCOPUS, INSPEC, DBLP**.

Membră în Editorial Board la **International Journal of Reasoning-based Intelligent Systems (IJRIS)** ISSN (Online): 1755-0564 - ISSN (Print): 1755-0556, **INDERSCIENCE PUBLISHER**, <http://www.inderscience.com/jhome.php?jcode=ijris#edboard> , 2009, **SCOPUS, Compendex, SCIRUS indexed**.

Editor la **International Journal of Digital Content Technology and its Applications (JDCTA)**, ISSN 1975- 9339, Korea, 2009, <http://www.aicit.org/jdcta/home/editorial.html> , **indexata DBLP, EI COMPENDEX, INSPEC, SCOPUS**.

Guest Editor, Chee Peng Lim, Lakhmi C. Jain , George A. Tshirintzis, Maria Virvou, Valentina Emilia Balas, la **International Journal of Intelligent Defence Support Systems**, Volume 2, Number 2, 2009, Special Issue: Intelligent Modelling and Data Analysis Techniques, ISSN (Online): 1755-1595 - ISSN (Print): 1755-1587, <http://www.inderscience.com/info/inarticletoc.php?jcode=ijidss&year=2009&vol=2&issue=2> , **indexata DBLP, SCIRUS, ERA**.

**Membră în Scientific Board la Acta Technica Napocensis, Technical University of Cluj-Napoca, Romania, Faculty of Electronics, Telecommunications and Information Technology, Volume 50, Number 1, 2009, ISSN 1221 – 6542, BDI**.

Editor la **AISS – Advances in Information Sciences and Services Sciences (An International Journal of Research and Inovation)**, ISSN : 1976-3700, Korea, din 2009, <http://www.aicit.org/aiss/home/editorial.html>, **indexata SCOPUS, DBLP, INSPEC**.

Membră in Editor/Editorial Board la **Journal of Computer Science & Systems Biology, OMICS Publishing Group, USA**, din 2009, ISSN: **0974–7230**, <http://www.omicsonline.com/jcsbhome.php>, <http://www.omicsonline.com/EditorialboardJCSB.php> , **indexata CrossRef, Google Scholar**.

Editor la **Journal of Convergence Information Technology JCIT**, din 2009, ISSN : 1975-9320, <http://www.aicit.org/jcit/home/editorial.html> , AICIT - Advanced Institute of Convergence IT, Dongguk University, Korea, **indexata SCOPUS, INSPEC, DBLP, SCIRUS**.

Editor la **International Journal of Advancements in Computer Technology IJACT**, din 2009, ISSN: 2005-8039, AICIT - Advanced Institute of Convergence IT, Dongguk University, Korea, <http://www.aicit.org/ijact/home/editorial.html> , **indexata SCOPUS, DBLP, INSPEC**.

Membră in Editorial Board la **AIS - Advances in Information Sciences and Service Sciences**, ISSN **2093-1956, Human Pub, Human and Sciences Publications, 2010**, <http://www.aicit.org/aiss/home/editorial.html>, **indexata SCOPUS, DBLP, INSPEC**.

Membră în Editorial Review Board of the **International Journal of Energy Optimization and Engineering (IJEOE)**, ISSN: 2160-9500, IGI Global, 2010, <http://www.igi-global.com/Bookstore/TitleDetails.aspx?TitleId=47187> , **indexata DBLP, INSPEC**.

Asociat Editor la **International Journal of System Dynamics Applications (IJSDA)**, ISSN: 2160-9772, IGI Global, 2010, <http://www.igi-global.com/bookstore/titledetails.aspx?TitleId=51803> , [www.igi-global.com/IJSDA](http://www.igi-global.com/IJSDA), **indexata INSPEC, Google Scholar**.

Asociat Co-Editor Șef la **Agricultural Engineering Research Journal (AERJ)**, ISSN: 2218-3906, **IDOSI** (International Digital Organization for Scientific Information), Egypt, 2011, <http://www.idosi.org/aerj/board.htm> . Regional Editor Europe la **International Journal of Computational Systems Engineering (IJCSysE)**, ISSN (Online): 2046-3405 - ISSN (Print): 2046-3391, **Inderscience, 2011**,



<http://www.inderscience.com/browse/index.php?journalID=378>, **indexata Google Scholar.**

Membră în Editorial Board la International Journal of Control Systems, Robotics and Industrial Automation, ISSN 2240-1229, <http://www.internationalsar.org/journal2.html>.

Membră în Editorial Board la American Journal of Intelligent Systems, **ISSN: 2165-8978TBD**, Website: <http://journal.sapub.org/ajis>, <http://www.sapub.org/journal/editorialboard.aspx?journalid=1060>, **indexata Index Copernicus, CrossRef, Google Scholar.**

Associate Editor la Cyber Journals: Multidisciplinary Journals in Science and Technology, pentru Journal of Selected Areas in Robotics and Control (JSRC) ISSN 1925-2676, Canada, <http://www.cyberjournals.com/>, <http://www.cyberjournals.com/associates.html>.

Editor la Electrical and Computer Engineering – Artificial Intelligence si Automation and Control Systems de la Central European Journal of Engineering, ISSN: 1896-1541 (print version), ISSN: 2081-9927 (electronic version), Versita, Publisher: Versita, co-published with Springer Verlag, <http://versita.com/serial/ceje/>, **indexata SCOPUS, Google Scholar.**

Asociat Editor la International Journal of Nanotechnology and Molecular Computation (IJNMC), ISSN: 1941-6318, EISSN: 1941-6326, DOI: 10.4018/IJNMC, IGI Global, <http://www.igi-global.com/journal/international-journal-nanotechnology-molecular-computation/1117> **indexata INSPEC, DBLP, Google Scholar.**

Membră în Editorial Board la Journal of Mechanics Engineering and Automation, ISSN:2159-5275, [http://www.davidpublishing.com/journals\\_info.asp?jId=713](http://www.davidpublishing.com/journals_info.asp?jId=713), **BDI.**

Guest Editor la Studies in Computational Intelligence, Berlin: Springer 2012 – Vol 417, “ New Concepts and Applications in Soft Computing” 2012, Eds. Valentina Emilia Balas, Annamaria Varkonyi-Koczy, Janos Fodor, ISBN 978-3-642-28958-3, 278 pag. <http://www.springer.com/engineering/computational+intelligence+and+complexity/book/978-3-642-28958-3>.

Membră în Editorial Board la **Scientific Journal of Engineering (SJEng)**, <http://www.sjournals.com/index.php/SJEng/about/displayMembership/22b>, <http://www.sjournals.com/index.php/SJEng/about/editorialTeam> .

Guest Editor la International Journal of Advancements in Computing Technology ISSN: 2005-8039, Special Issue 54 - 2012 the 2nd International Joint Conference on Fuzzy Computing and Intelligent Transportation, <http://www.aicit.org/IJACT/global/si.html?jname=IJACT#S54> (**SCOPUS, INSPEC, DBLP**).

Membră în Editorial Board la Journal of Automation and Control Engineering, JOACE, ISSN: 2301-3702, <http://www.joace.org/index.php?m=content&c=index&a=lists&catid=18>, **indexat in INSPEC, Google Scholar.**

**Editor la International Journal of Social Networking and Virtual Communities (Int J SocNet & Vircom)**, ISSN: 2252-8784, <http://iaesjournal.com/online/index.php/VirCom/about/editorialTeam>.

Membră în Reviewer Panel la Environmental Geotechnics, E-ISSN: 2051-803X, ICE Publishing, USA, <http://www.icevirtuallibrary.com/content/serial/envgeo>, <http://www.icevirtuallibrary.com/content/related/panel?pubId=envgeo>.

Membră în Editorial Board la Archives of the Philosophy and History of Soft Computing, International online journal, published by European Centre of research in Soft Computing, Spain, <http://docs.softcomputing.es/public/ArchivesJournal-Call-R.pdf> .

Membră în Editorial Board la International Journal of Advanced Computer Science and Information Technology (IJACSIT), ISSN 2296-1739, Publisher Helvetic Editions, <http://elvedit.com/journals/IJACSIT/>, [http://elvedit.com/journals/IJACSIT/?page\\_id=32](http://elvedit.com/journals/IJACSIT/?page_id=32).

Associate Editor la BIOINFO SOFT COMPUTING, **ISSN : 2249-2747 (Print), E-ISSN : 2249-2755 (Online)**, <http://www.bioinfopublication.org/journal.php?opt=azjou&jouid=BPJ0000211&detail=editorial#>, **indexat CrossRef, Google Scholar.**

Membră în Editorial Board ca Member Board la secțiunea Engineering pentru SpringerPlus – Springer Open Journal, ISSN: 2193-1801, <http://www.springerplus.com/about/edboard>.

Membră în Editorial Board la Journal of Information Technology & Software Engineering, ISSN: 2165- 7866, OMICS Publishing Group, <http://www.omicsgroup.org/journals/editorialboardJITSE.php> .

Membră în Editorial Board la International Journal on Intelligent Decision Technologies (IDT), IOS Press, The

Netherlands, ISSN 1872-4981, <http://www.iospress.nl/journal/intelligent-decision-technologies/>, din 2013.

Membră în Editorial Board la International Journal of Computer and Information Technologies (**IJCIT**), <http://ijcit.org/index.php/editorial-board> din 2013

Managing editor la The Bahria University Journal of Information & Communication Technologies (BUJICT), ISSN 1999-4974, <http://bujict.bimcs.edu.pk/index.php/editorial-board/>

Membru in Editorial Board la Turkish Journal of Analysis and Number Theory, ISSN 2333-1100, <http://www.sciepub.com/journal/TJANT/EditorialBoard> , 2015

Membru in Editorial Board la International Journal of Engineering and Technology, ISSN 2227-524X, <http://www.sciencepubco.com/index.php/ijet/about/editorialTeam>, 2015

Organizator al Special Session Soft Computing Based Modeling in Intelligent Systems, <http://www.worldses.org/conferences/2006/croatia/fs/session2.htm> within 7th WSEAS International Conference on Fuzzy Systems Cravtat, Croatia, June 12-14, 2006, <http://www.worldses.org/conferences/2006/croatia/fs>

Organizator al Special Session Soft Computing Applications, <http://www.rasc2006.org.uk/> The 6th International Conference on Recent Advances in Soft Computing, RASC 2006, 10-12 July, 2006 Canterbury, University of Kent, UK.

Chair pentru două Special Sessions to RASC 2006 <http://www.rasc2006.org.uk/program.htm>

Chair la The 7th WSEAS International Conference on FUZZY SYSTEMS, Session: Fuzzy Systems and Applications AUTOMATION & INFORMATION (ICAI'06), Cavtat, Croatia, June 12-14 2006.

Program Committee Chair la International Conference on System Science, Engineering Design and Manufacturing Informatization, ICSEM 2010, 12-14 November 2010, Yichang, China, <http://www.sem-conf.org/committees.htm>

Co-Chair Session la ECIT 2010 - Neural Networks & Fuzzy Systems, 7-9 Octombrie 2010, Iasi, Romania, [http://www.iit.tuiasi.ro/ecit2010/documents/Program\\_ECIT\\_2010\\_22%20sept.pdf](http://www.iit.tuiasi.ro/ecit2010/documents/Program_ECIT_2010_22%20sept.pdf)

Conference Chair la International Joint Conference on Fuzzy Engineering and Intelligent Transportation FEIT 2011, Xi'an, China, 10-11, December, 2011, <http://www.feit-conf.org>, <http://www.feit-conf.org/committees.html>

Chair la 16th WSEAS International Conference on CIRCUITS, (part of CSCC '12), Kos Island, Greece, July 14-16, 2012, <http://www.wseas.org/wseas/cms.action?id=1047>

Program Committee Chair la The 3<sup>rd</sup> International Conference on System science, Engineering design and Manufacturing informatization, ICSEM 2012, 20-21 October, 2012, Chengdu, China, <http://www.sem-conf.org/committees.htm>,

General Chair la The International Conference on Information, Intelligent and Engineering Application, ICIEEA 2013, May 11-12, 2013 in Xi-An, China, <http://www.icieea.org/Committees.htm>

Chair la 1st International Conference on CUSTOM INTEGRATED CIRCUITS, CIC '13, Antalya, Turkey, October 8-10, 2013, <http://www.wseas.org/wseas/cms.action?id=5508>

General Chair la International Conference on Recent Advances in Physics, RAPHY 2013, December 1 to 3, 2013, Xianning, China, <http://www.icraphy.org/tpc.aspx>

Membru in Advisory Board la International Journal of Railway Research (IJRARE), Iran, <http://ijrare.iust.ac.ir/>

Guest editor la Innovations in Intelligent Machines-5: Computational Intelligence in Control Systems Engineering, Studies in Computational Intelligence, vol. 561, 2014, by Valentina Emilia Balas, Petia Koprinkova-Hristova, Lakhmi C. Jain, ISBN: 978-3-662-43369-0 (Print) 978-3-662-43370-6 , (Online)<http://link.springer.com/book/10.1007/978-3-662-43370-6>

Associate Editor to the journal Intelligent Decision Technologies, ISSN 1872-4981, IOS Press, <http://www.iospress.nl/journal/intelligent-decision-technologies/>

Membru in Editorial Board la International Journal of Practical Electronics, <http://www.sciencepubco.com/index.php/IJPE/index>

Member in Organizing Committee la OMICS Group's 3rd International Conference and Exhibition on Biometrics

& Biostatistics, October 20-22, 2014 in Baltimore MD USA, <http://omicsgroup.com/biometrics-biostatistics-conference-2014/committee.php>

General Chair la International Conference on Recent Advances in Physics (RAPHY2014) will be held during May 16-18, 2014 in Lushan, <http://www.ic-raphy.org/tpc.aspx>

## **2010**

Membra in Technical Program Committee la INES 2010, 14th IEEE International Conference on Intelligent Engineering Systems 2010, Las Palmas of Gran Canaria, Canary Islands, Spain, May 5-7, 2010, <http://www.ines-conf.org>, <http://www.ines-conf.org/ines-conf/2010committees.htm>

Membra in Committee Members la 6<sup>th</sup> International Conference on Networked Computing, INC 2010, May 11-13, 2010, Gyeongju, Republic of Korea, <http://www.aicit.org/inc/committee.html>

Membra in Committee Members la 3rd NISS 2010, International Conference on New Trends in Information and Service Science, May 11-13, 2010, Gyeongju, Republic of Korea, <http://www.aicit.org/niss/committee.html>

Membra in Program Committee la theThird International Conference E- Medical, Systems E-MEDISYS 2010, Fez, Morocco, May 12-14, 2010, <http://www.setit.rnu.tn/e-medisys/?main=1&pg=committee>

Membra in International Program Committee la International Conference on Computers, Communications and Control ICCCC 2010, Băile Felix, Oradea, România, May 12-16, 2010, <http://www.iccc.univagora.ro/organization/program-committee>

Membra in International Program Committee la ICAdET'2010, the 8<sup>th</sup> International Conference on Advances in Electro-Technologies, 27-28 May 2010, Oradea, Romania, [http://electroinf.uoradea.ro/ICADET2010/progr\\_comitee.htm](http://electroinf.uoradea.ro/ICADET2010/progr_comitee.htm)

Membra in International Scientific Committee la AFASES 2010, The International Session of XII-th Scientific Papers „Scientific Research and Education in the Air Force”, 27-29 May, 2010, Brasov, Romania, [http://www.afahc.ro/sesiune/INVITATIE%20AFASES%202010\\_buna.pdf](http://www.afahc.ro/sesiune/INVITATIE%20AFASES%202010_buna.pdf)

Membra in International Advisory Board la International Joint Conferences on APPLIED Intelligent Engineering and Technical Informatics - APPIE-CONTI 2010 May 27-29, 2010, Timisora, Romania, <http://bmf.hu/conferences/appie2010/committees.htm>

Membra in International Program Committee la IEEE International Joint Conferences on Computational Cybernetics and Technical Informatics - ICC-CONTI 2010 May 27-29, 2010, Timisora, Romania, <http://old.bmf.hu/conferences/icc-conti2010/committees.htm>

Membra in Committee la ICIS 2010, The 3rd International Conference on Information Sciences and Interaction Sciences, June 23-25, 2010, Chengdu, China, <http://209.85.129.132/search?q=cache:bhCfYrtrso0J:nms.dongguk.ac.kr/icis/committee.html+valentina+e.+balas&cd=93&hl=ro&ct=clnk&gl=ro>

Membra in Student Session Program Committee la SEE-MAS 2010 – The South Eastern European Multi-Agent Systems Summer School, 5-10 July, 2010, Bucharest, Romania, <http://see-mas2010.cs.pub.ro/committees/>

Membra in Program Committee la The North American Fuzzy Information Processing Society Annual Conference NAFIPS 2010 , 14-17 July 2010, Toronto, Canada, [http://nafips2010.org/index.php?option=com\\_content&view=category&layout=blog&id=12&Itemid=14](http://nafips2010.org/index.php?option=com_content&view=category&layout=blog&id=12&Itemid=14)

Membra in International Program Committee la The 2nd International Symposium on Intelligent Decision Technologies, KES IDT 2010, Baltimore, USA, 28 - 30 July 2010, <http://idt-10.kesinternational.org/cmsIPCdisplay.php>

Membra in Committee Members la 6<sup>th</sup> International Conference on Networked Computing and Advanced Information Management, NCM 2010, August 17-19 2010, Seoul, Korea, <http://www.aicit.org/ncm/committee.html>

Membra in Committee Members la 6<sup>th</sup> International Conference on Digital Content, Multimedia Technology and its Applications, IDC 2010 August 17-19 2010, Seoul, Korea, <http://www.aicit.org/idc/committee.html>

Membra in International Program Committee la NASTEC'2010, The North-American Simulation Technology Conference, August 25-27, 2010, Digipen Institute of Technology, Redmond, USA, <http://www.eurosis.org/cms/index.php?q=node/1324>

Membra in Technical Program Committee la VECIMS 2010 IEEE International Conference on Virtual Environments, Human-Computer Interfaces and Measurement Systems, Taranto, Italy, 6-8 September 2010, <http://vecims.ieee-ims.org/organizers.php>

Membra in Program Committee la The 7<sup>th</sup> International Conference on Soft Computing Models in Industrial and Environmental Applications, SOCO 2012, Ostrava, Czech Republic, 5-8 September 2012, <http://soco.usal.es/>

Membra in Program Committee la EST 2010, International Conference on Emerging Security Technologies, 6-8 September 2010, Canterbury, UK, <http://www.est-2010.info/pc.html>

Membra in Program Committee la MASTS 2010, The 2nd International Workshop on Multi-Agent Systems Technology and Semantics, in conjunction with 4th International Symposium on Intelligent Distributed Computing - IDC'2010, Tangier, Morocco, September 16-18, 2010, <http://aimas.cs.pub.ro/masts2010/committee>

Membra in International Committee la WAC 2010 (World Automation Congress), 8th International Symposium on Soft Computing for Industry ISSCI, September 19-23 - Kobe, Japan, <http://wacong.org/>, <http://www.wacong.org/ISSCI2010.pdf>

Membra in Interational Program Committee la The "International Workshop on Reasoning-based Intelligent Systems RBIS 2010, <http://www.u-hyogo.ac.jp/shse/ris-ws>, at International Congress on Ultra Modern Telecommunications and Control Systems ICUMT2010, October 18-20, 2010, Moscow, Russia, <http://www.icumt.org/>

Membra in International Program Committee la ICFC 2010 International Conference on Fuzzy Computation, 24-26 October, Valencia, Spain, [http://www.icfc.ijcci.org/call\\_for\\_papers.asp](http://www.icfc.ijcci.org/call_for_papers.asp)

Membra in Organizing Committee la Annual International Academic Conference on Software Engineering, SE 2010, 8-9 November 2010, Singapore, [http://www.softweng.org/index.php?option=com\\_content&view=article&id=26&Itemid=7](http://www.softweng.org/index.php?option=com_content&view=article&id=26&Itemid=7)

Membra in IPC la ICSEM 2010, International Conference in System Science, Engineering Design and Manufacturing Informatization, 12-14 November, 2010, Yichang, China, <http://www.sem-conf.org/committees.htm>, [http://www.iamsie.org/index.php?option=com\\_content&view=article&id=2&Itemid=16](http://www.iamsie.org/index.php?option=com_content&view=article&id=2&Itemid=16)

Membra in IPC la ICETET 2010, International Conference on Emerging Trends in Engineering and Technology, 19 – 21 Noiembre, 2010, Nagpur, India, [http://www.icetet.org/prog\\_committee.html](http://www.icetet.org/prog_committee.html)

Membra in IPC la PCO 2010 Global Conference on Power Control and Optimization, 2-4 Decembrie 2010, Damai Puri, Kuching, Sarawak, Borneo, Malaysia, <http://www.pcoglobal.com/committee.htm>

Membra in International Program Committee la 5th International Conference on Complex Distributed Systems, CODS'2011, Mannheim, Germany, 5-7 December 2011, <http://siwn.org/cods11/>

Membra in Program Committee la Annual International Conference on Software Engineering, SE 2010, Date: 6 - 7 December 2010, Phuket, Thailand, [http://www.softweng.org/SE\\_Committee.html](http://www.softweng.org/SE_Committee.html)

## **2011**

Membra in Interational Program Committee la International Conference on Information Management, Technical Management and Intelligent Technology ICITI 2011, Hong Kong, China March 26-28, 2011, <http://www.iciti-conf.org/committee.html>

Membra in Committee Members la Women's International Research Engineering Summit, WIRES 2011, March 30 - April 1<sup>st</sup>, Orlando Florida, USA, <http://wires.gatech.edu/committee.php>

Membra in Program Committee la The 6<sup>th</sup> International Conference on Soft Computing Models in Industrial and Environmental Applications, SOCO 2011, April 6-8th, 2011, Salamanca, Spain, <http://soco.usal.es/>, <http://soco.usal.es/?q=node/24>

Membra in Program Committee la IEEE Symposium on Foundations of Computational Intelligence, IEEE SSCI 2011 Halle aux Farines, Paris, France, April 11 – 15, 2011, IEEE – CIS,  
<http://www.gimac.uma.es/foci2011/Main.html>

Membra in International Program Committee la The 22nd Midwest Artificial Intelligence and Cognitive Science Conference, MAICS 2011, in April 16-17, 2011, Cincinnati, USA,  
<http://maics2011.ewu.edu/index.php/MAICS2011>, <http://maics2011.ewu.edu/index.php/Committee>

Membra in International Advisory Board, SACI 2011, 6<sup>th</sup> International Symposium on Applied Computational Intelligence and Informatics, May 19-21 2011, Timisoara, Romania, <http://conf.uni-obuda.hu/saci2011/committees.htm>

Membra in Technical Program Committee la the 11<sup>th</sup> International Conference on Engineering of Modern Electric Systems, EMES 2011, Computer Science and Control Systems Session, 26-27 Mai 2011, Oradea Romania,  
[http://electroinf.uoradea.ro/EMES2011/committees/program\\_committee.htm](http://electroinf.uoradea.ro/EMES2011/committees/program_committee.htm)

Membra in International Program Committee, IEEE International Conference on Digital Ecosystems and Technologies - IEEE DEST 2011, May 31<sup>st</sup> – June 3<sup>rd</sup> 2011, Daejeon, Korea,  
<http://dest2011.debi.curtin.edu.au/index.php/home>

Membra in International Program Committee la The 5<sup>th</sup> Global Conference on Power Control and Optimization PCO 2011, Dubai, United Arab Emirate, from 1 - 3 June 2011,  
<http://www.pcoglobal.com/dubai/PCO2011DUBAI.htm>

Membra in Program Committee la ICCSIT 2011, 4<sup>th</sup> IEEE International Conference on Computer Science and Information Technology, June 10-12, 2011, Chengdu, China, <http://www.iccsit.org/committee.htm>

Membra in Program Committee la 2<sup>nd</sup> International Conference on Next Generation Information Technology - ICNIT 2011, June 21-23, 2011, Gyeongju, Korea, [http://www.aicit.org/icnit/scientific\\_members.html](http://www.aicit.org/icnit/scientific_members.html)

Membra in Program Committee la 7<sup>th</sup> International Conference on Networked Computing and Advanced Information Management – NCM 2011, June 21-13, 2011, Gyeongju, Korea,  
[http://www.aicit.org/ncm/scientific\\_members.html](http://www.aicit.org/ncm/scientific_members.html)

Membra in International Program Committee la 15th IEEE International Conference on Intelligent Engineering Systems INES 2011, 23-25 June, 2011, AquaCity, Poprad, High Tatras, Slovakia,  
<http://www.ines-conf.org/ines-conf/2011Committees.htm>

Membra in Conference Program Committee la First International Symposium on Data-Driven Process Discovery and Analysis SIMPDA 2011, June 29-July 1<sup>st</sup> 2011, Campione d'Italia, Italy,  
<http://sesar.dti.unimi.it/SIMPDA2011/>

Membra in Program Committee la International Conference on Intelligent Healthcare – ICIH 2011, Interscience Institute of Management and Technology Bhubaneswar, 9-10 July, 2011, Bhubaneswar, India,  
<http://www.interscience.ac.in/ICIH/icih.html> , <http://www.interscience.ac.in/ICIH/IAC.html>

Membra in Technical Program Committee la International Multi-Disciplinary Conference on Systems, Sensors, Devices, and Information Technology, S2DIT 2011, 11-14 July 2011, Bucharest, Romania,  
<http://www.bytematters.com/S2DIT/web/committee.html>

Membra in Program Committee la INC2011: The 7th International Conference on Networked Computing, 12-14 July, 2011, Beijing, China, [http://www.humanpub.org/inc/scientific\\_members.html](http://www.humanpub.org/inc/scientific_members.html)

Membra in International Program Committee la 3rd International Conference on Intelligent Decision Technologies, KES IDT 2011, University of Piraeus, 20-22 July 2011, Greece,  
<http://idt-11.kesinternational.org/cmsIPCdisplay.php>

Member in Program Committee la 2011 International Conference Uncertainty Reasoning and Knowledge Engineering, URKE 2011, Bali, Indonesia, 4-7 August 2011, <http://www.iamsie.org/urke/committees.htm>

Membra in Program Committee la International Conference on Applied Mechanics and Manufacturing

Technology, AMMT'11, August 18-20, 2011, Jeju Island, Korea, <http://www.iamsie.org/ammt/index.htm> ,  
<http://www.iamsie.org/ammt/committees.htm>

Membra in Program Committee la European Intelligence and Security Informatics Conference EISIC 2011, September 12-14, 2011, Athens, Greece, The Premier European Conference on Counterterrorism and Criminology, <http://www.eisic.eu/committee.aspx>

Membra in Program Committee la International Symposium on Open Source Intelligence & Web Mining 2011, OSINT-WM 2011 in Conjunction with (European ISI 2011), 12-14 September, 2011, Athens, Greece, <http://www.osint-wm.org/organization.html>

Membra in Program Committee la KES'2011, 15th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems, 15th Annual KES Conference, Kaiserslautern, Germany, 12-14 September 2011, <http://kes2011.kesinternational.org/cmsIPCdisplay.php>

Membra in Scientific Committee la MedDecSup 2011 (International Workshop on Next Generation Intelligent Medical Decision Support Systems), 18-19 Septembrie 2011, Tg. Mures, Romania, [http://ncscs.upm.ro/scientific\\_committee.html](http://ncscs.upm.ro/scientific_committee.html)

Membra in Program Committee la FEDERATED CONFERENCE ON COMPUTER SCIENCE AND INFORMATION SYSTEMS, FedCSIS 2011, [Szczecin, Poland, 18 -21 September, 2011,](http://www.fedcsis.org/?q=node/13)  
<http://www.fedcsis.org/?q=node/13>

Membra in Technical Program Committee la VECIMS 2011 IEEE International Conference on Virtual Environments, Human-Computer Interfaces and Measurement Systems, Taranto, Italy, 19-21 September 2011, <http://vecims2011.ieee-ims.org/vecims2011/2011/organizers>

Membra in International Program Committee la 6th International Symposium Advances in Artificial Intelligence and Applications - AAIA'11, Szczecin, Poland, September 19-21, 2011  
Celebrating 65th Birthday of Professor Bohdan Macukow, [www.aaia.fedcsis.org](http://www.aaia.fedcsis.org)

Membra in International Program Committee la WISP 2011, IEEE International symposium on Intelligent Signal Processing, 19-21 Septembrie, Floriana, Malta, <http://www.trivent.hu/WISP2011/>

Membra in Program Committee la INC 2011, 7th International Conference on Networked Computing, September 26-28, Gumi, Korea, [http://www.humanpub.org/inc/scientific\\_members.html](http://www.humanpub.org/inc/scientific_members.html)

Membra in International Program Committee la NASTEC'2011, September 28-30, 2011, Rensselaer Polytechnic Institute, Troy, USA, <http://www.eurosis.org/cms/index.php?q=node/1799>

Membra in International Program Committee la 2011 IEEE International Conference on Systems, Man, and Cybernetics, IEEE SMC 2011, October 9-12, 2011, Anchorage, Alaska, <http://www.smc2011.org/> ,  
<http://sites.google.com/site/smc2011v/committees>

Membra in Program Committee la ICMIA 2011, 3rd International Conference on Data Mining and Intelligent Information Technology Applications, October 24 - 26, 2011, Macao, China,  
[http://www.humanpub.org/icmia/scientific\\_members.html](http://www.humanpub.org/icmia/scientific_members.html)

Membra in Program Committee la NASNIT 2011, 16th North-East Asia Symposium on Nano, Information Technology and Reliability, October 24 - 26, 2011, Macao, China,  
[http://www.seita.or.kr/nasnit/scientific\\_members.html](http://www.seita.or.kr/nasnit/scientific_members.html)

Membra in Program Committee la NISS 2011, 5<sup>th</sup> International Conference on New Trends in Information Science and Service Science, October 24-26, 2011, Macao, China, <http://www.humanpub.org/niss/cfp.html>

Membra in Technical Program Committee la 4th International Conference on Emerging Trends in Engineering & Technology - ICETET-11, November 18-20, 2011, Mauritius, [http://www.icetet.org/prog\\_committee.html](http://www.icetet.org/prog_committee.html)

Membra in Program Committee la 2nd Annual International Conference on Software Engineering- SE 2011, Special Track: Nanotechnology Software Tools (NST 2011), December 5-6 2011, Singapore, <http://www.softwareng.org/Committee.html>

Membra in International Program Committee la 2011 International Workshop on Swarm Intelligence and Emergent Computing, SIEC'11, <http://siwn.org.uk/cods11/siec11.htm>

at the 5th International Conference on Complex Distributed Systems (CODS'2011), Mannheim, Germany, 5-7 December 2011, <http://siwn.org.uk/cods11/>

Membra in International Committee la International Conference on Advances of Information & Communication Technology in Health Care – ICTHC 2011, Dec 15-16, 2011, Jakarta, Indonesia, <http://icthc.theides.org/2011/index.htm>

Membra in Academic Community ICGST, International Conference on Computer Science and Engineering CSE-11, 19 - 21 December 2011, Istanbul, Turkey, <http://www.icgst.com/con11/cse11/index.html>, <http://www.icgst-amc.com/institute/Community.aspx?InstId=3>

Membra in Program Committee la Global Congress on Science and Engineering - GCSE 2011, December 28-30, 2011, Dubai, <http://www.sie-edu.sg/gcse/com.htm>

## **2012**

Membra in Program Committee la 2012 International Conference in Green and Ubiquitous Technology (Green-Ubiquitous Tech, GUT-2012), 8-9 Martie 2012, Jakarta, Indonezia, <http://www.gut-conf.org/index.htm>

Membra in Program Committee la The 23rd Midwest Artificial Intelligence and Cognitive Science Conference, MAICS 2012, School of Computing Sciences and Informatics, University of Cincinnati on April 21-22, 2012, <http://maics.org>

Membra in Technical Program Committee la Workshop on Intelligent Decision Support Systems for Crisis Management, May 8-12, 2012, Băile Felix, Oradea, Romania, under the umbrella of the ICCCC 2012, <http://icccc.univagora.ro/>

Membra in International Program Committee la KES IDT 2012, Gifu, Japan, 23-25 May 2012, <http://idt-12.kesinternational.org/cmsIPCdisplay.php>

Membra in International Program Committee la SACI 2012, IEEE 7<sup>th</sup> International Symposium on Applied Computational Intelligence and Informatics, May 24-26, 2012 in Timisora, Romania, <http://conf.uni-obuda.hu/saci2012/committees.htm>, [http://conf.uni-obuda.hu/saci2012/SACI2012\\_CFP.pdf](http://conf.uni-obuda.hu/saci2012/SACI2012_CFP.pdf)

Membra in Program Committee la 9th International Conference on Fuzzy Systems and Knowledge Discovery, FSKD 2012, 29-31 May 2012, Chongqing, China, [http://icnc-fskd.cqupt.edu.cn/program\\_committees.htm](http://icnc-fskd.cqupt.edu.cn/program_committees.htm)

Membra in International Committee la International Conference on Advances in Signal Processing and Communication – SPC, organized by ACEEE USA Section, June 07-08, 2012 in Amsterdam, Netherlands, <http://spc.theides.org/2012/comm.htm>

Membra in Program Committee la Special Session on Soft Data Analysis based Knowledge Discovery, FUZZ-IEEE'2012, at WCCI'2012, Brisbane, Australia, June 10-15, 2012, <http://www.risk.tsukuba.ac.jp/~mika/WCCI2012.html>

Membra in Intenational Scientific Committee la ISAR International E-Conference on Control Systems, Robotics and Automation, June 11 - 15, 2012, <http://www.internationalisar.org/call2.html>

Membra in International Program Committee la IEEE 16th International Conference on Intelligent Engineering Systems 2012, INES 2012, 13-15 June 2012, Costa de Caparica, Lisboa, Portugal, <http://www.ines-conf.org/ines-conf/2012committees.htm>

Membra in International Program Committee la 6th IEEE International Conference on Digital Ecosystems Technologies- Complex Environement Engineering, IEEE DEST-CEE 2012, Campione d'Italia, Italy, 18-20 June 2012, <http://sesar.dti.unimi.it/DEST2012/index.php/program-committee>

Membra in Program Committee la The Second Symposium on Data-Drive Process Discovery and Analysis, SIMPADA, Lugano Lake, Campione d'Italia, 18<sup>th</sup> to 20<sup>th</sup> of June, 2012, <http://sesar.dti.unimi.it/SIMPDA2012/index.php?pagina=pc>

Membra in International Program Committee la World Automation Congress, WAC, 2012 9<sup>th</sup> International Symposium on Soft Computing for Industry, ISSCI 2012, June 24-28 2012, Puerto Vallarta, MEXICO. <http://wacong.org>



Membra in Program Committee la International conference in Healthcare Informatics and Biomedical Engineering Systems, HIBES 2012, Bandung Indonesia, 29-30 June, 2012, <http://www.hibes.org/committee.html>

Membra in International Scientific Committee la ISAR International E-Conference on Control Systems, Robotics and Automation, June 11-15, 2012, <http://www.internationalsar.org/call2.html>

Membra in Program Committee la ICIS2012, June 26 - 28, 2012, Jeju Island, Korea, 5th International Conference on Interaction Sciences: IT, Human and Digital Content, [http://www.aicit.org/icis/home/scientific\\_members.html](http://www.aicit.org/icis/home/scientific_members.html)

Membra in Technical Program Committee la VECIMS 2012 IEEE International Conference on Virtual Environments Human-Computer Interfaces and Measurement Systems, 2-4 July, Tianjin, China, <http://vecims2012.ieee-ims.org/vecims2012/2012/organizers>

Membra in Scientific Committee la MedDecSup 2012 (International Workshop on Next Generation Intelligent Medical Decision Support Systems), 10-11 July, Sofia, Bulgaria, <http://rcvt.tu-sofia.bg/meddecsup2012/index.html>

Membra in Committee la The 4<sup>th</sup> International Conference on Networking and Digital Society, ICNDS 2012, 21-22 July, 2012, Guiyang, China, <http://www.icnds.org/committees.htm>

Membra in International Program Committee la The Six Global Conference on Power, Control and Optimization - PCO'2012 in Las Vegas, Nevada, USA, 6-8th August 2012, <http://www.pcoglobal.com/committee.htm>

Membra in Program Committee la 31<sup>st</sup> NAFIPS 2012 conference, 6-8 August, 2012, Berkeley, USA, <http://www.ualberta.ca/~reformat/nafips2012/index.html>

Membra in International Program Committee la NASTEC 2012, August 16-18, 2012, Digipen Institute of Technology, Redmond, USA, <http://www.eurosis.org/cms/index.php?q=node/2090>

Membra in Scientific Committee la 12th WSEAS International Conference on APPLIED INFORMATICS AND COMMUNICATIONS, AIC '12, Istanbul, Turkey, August 21-23, 2012, <http://www.wseas.org/wseas/cms.action?id=1458>

Membra in Committees la The 2012 International Conference on Electronic Engineering and Information Engineering ICEI 2012, Bandung, Indonesia, 22-23 August, 2012, <http://icei-conf.org/committees.html>

Membra in International Program Committee la European Intelligence and Security Informatics Conference (EISIC) 2012 August 22-24, 2012, Odense, Denmark, The Premier European Conference on Counterterrorism and Criminology, <http://www.eisic.eu/committee.aspx>

Membra in Program Committee la 8th ICCNT: 2012 International Conference on Computing and Networking Technology (8th INC, 2nd ICCIS and 2nd ICMIC), August 27 - 29, 2012. Gyeongju, Korea, [http://www.aicit.org/iccnt/home/scientific\\_members.html](http://www.aicit.org/iccnt/home/scientific_members.html)

Membra in Program Committee la International Symposium on Foundation of Open Source Intelligence and Security Informatics, FOSINT-SI 2012, in conjunction with ASONAM 2012, Istanbul, Turkey, August 27-28, 2012, <http://uekae.tubitak.gov.tr/FOSINT-SI2012/organization.htm>

Membra in International Program Committee la Third International Conference on Emerging Security Technologies EST 2012, September 5-7, 2012, Lisbon, Portugal, <http://www.est-2012.info/committees.htm>

Membra in Scientific Committee la 5th WSEAS International Conference on SENSORS and SIGNALS, SENSIG '12, Sliema, Malta, September 7-9, 2012, <http://www.wseas.org/wseas/cms.action?id=1528>

Membra in Program Committee la 3rd IIAI International Conference on e-Services and Knowledge Management, IIAI ESKM 2012, September 20-22, 2012, Fukuoka, Japan Kyushu University, <http://aai2012.iaiai.org/eskm2012/pc.html>

Membra in Scientific Committee la 12th WSEAS International Conference on ELECTRIC POWER SYSTEMS, HIGH VOLTAGES, ELECTRIC MACHINES, POWER '12, Prague, Czech Republic, September 24-26, 2012, <http://www.wseas.org/wseas/cms.action?id=1200>

Membra in Scientific Committee la 8th WSEAS International Conference on REMOTE SENSING, REMOTE

'12, Prague, Czech Republic, September 24-26, 2012, <http://www.wseas.org/wseas/cms.action?id=1228>

Membra in Organizing Committee la World Congress on Forensic Research & Technology, Utilizing Science and Technology for Peace and Justice, October 15-17, 2012, Chicago, USA, <http://www.omicsgroup.com/forensicresearch2012/committee.php>

Membra in Scientific Committee la 3rd International Conference on APPLIED INFORMATICS and COMPUTING THEORY, AICT '12, Barcelona, Spain, October 17-19, 2012, <http://www.ieee.am/wseas/cms.action?id=709>

Membra in Scientific Expert Committee la "Industrial Engineering and Environmental Protection", 31. October 2012, University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia, [http://www.tfzr.uns.ac.rs/ieep/scientific\\_committee.php](http://www.tfzr.uns.ac.rs/ieep/scientific_committee.php)

Membra in International Advisory Board la ICETET-2012, 5<sup>th</sup> International Conference on Emerging trends in Engineering and Technology, 5-7 November 2012, Himeji, Japan, <http://www.icetet.org/>

Membra in Scientific Committee la 1st WSEAS International Conference on CLOUD COMPUTING (CLC '12), Vienna, Austria, November 10-12, 2012, <http://www.wseas.org/wseas/cms.action?id=1142>

Membra in Scientific Committee la 1st WSEAS International Conference on INFORMATION TECHNOLOGY and COMPUTER NETWORKS, ITCN '12, Vienna, Austria, November 10-12, 2012, <http://www.wseas.org/wseas/cms.action?id=471>

Membra in Program Committee la 3rd Annual International Conference on Software Engineering & Applications (SEA 2012), Nanotechnology Software Tools (NST 2012), 19 - 20 November 2012, Singapore, <http://www.softwareeng.org/Committee.html>

Membra in Scientific Committee la European Conference of COMPUTER SCIENCE, ECCS'12, Paris, France, December 2-4, 2012, <http://www.naun.org/wseas/cms.action?id=913>

Membra in Scientific Committee la 3rd International Conference on COMMUNICATION and MANAGEMENT in TECHNOLOGICAL INNOVATION and ACADEMIC GLOBALIZATION, COMATIA '12, Paris, France, December 2-4, 2012, <http://www.ieee.am/wseas/cms.action?id=1004>

Membra in Scientific Committee la European Conference of CIRCUITS TECHNOLOGY AND DEVICES, ECCTD '12, Paris, France, December 2-4, 2012, <http://www.naun.org/wseas/cms.action?id=827>

Membra in Program Committee la 7th ICCCT: 2012 International Conference on Computing and Convergence Technology (7th ICCIT, 3rd ICEI and 3rd ICACT), December 3 - 5, 2012. Seoul, Korea, [http://www.aicit.org/icct/home/scientific\\_members.html](http://www.aicit.org/icct/home/scientific_members.html)

Membra in International Advisory Committee la International Conference on Advanced Research in Engineering and Technology, ICARET 2012, 7-8 December, 2012, Vijayawada, India, <http://icaret12.com/International-Advisory-Committee.php>

Membra in International Advisory Committee la International Conference on Artificial Intelligence and Soft Computing AISC-2012, 7th - 9th December 2012, Varanasi, India, <http://itbhu.ac.in/cse/notification/brochure%20aisc.pdf>

Membra in Team of The Center for Applied Social Sciences Research la International Conference on Advances in Management and Economics, ICAME-2012, Kuala Lumpur (Malaysia) Between December 08 and 09, 2012, <http://www.cassr.com/team>

Membra in Program Committee la The first International Conference on Advanced Machine Learning Technologies and Applications, AMLTA12, Cairo, Egypt December 8-10, 2012, <http://www.egyptscience.net/AMLTA12/>

Membra in International Committee la Second International Conference on Advances of Information & Communication Technology in Health Care – ICTHC 2012, Dec 13-14, 2012; Jakarta, Indonesia, <http://icthc.theides.org/2012/comm.htm>

Membra in Editorial Committee la International Conference on Digital Contents and Applications DCA 2012, December 16-19, 2012, Kangwondo, Korea, <http://www.sersc.org/DCA2012/index.php>

Membr in International Committee la Second International Conference on Advances of Information & Communication Technology in Health Care – ICTHC 2012, organized by ACEEE, 17-18 December, 2012, Kuala Lumpur, Malaysia, <http://icthc.theides.org/2012/index.htm>

Membr in Scientific Committee la 3rd International Conference on Automotive and Transportation Systems, ICAT '12, Montreux, Switzerland, December 29-31, 2012, <http://www.naun.org/wseas/cms.action?id=773>

## **2013**

Membr in International Advisory Committee la First International Conference on Instrumentation, Communication, Control and Automation – ICICCA 2013, Kalasalingam University, Kalasalingam Academy of Research and Education, Tamil Nadu, INDIA, 4<sup>th</sup> -5<sup>th</sup> January 2013, [http://icicca2013.in/s\\_com.php](http://icicca2013.in/s_com.php)

Membr in International Advisory Committee la International Conference on Computer Communication and Informatics, ICCCI 2013, 9-11 January 2013, Coimbatore, India, [http://srishakthiinstitute.com/siet\\_iccci/index.php/sample-page/international-advisory-committee/](http://srishakthiinstitute.com/siet_iccci/index.php/sample-page/international-advisory-committee/), [http://srishakthiinstitute.com/iccci/wp-content/uploads/2012/06/ICCCI\\_2013\\_poster.pdf](http://srishakthiinstitute.com/iccci/wp-content/uploads/2012/06/ICCCI_2013_poster.pdf)

Membr in Scientific Committee la 7th WSEAS International Conference on CIRCUITS, SYSTEMS, SIGNAL and TELECOMMUNICATIONS, CSST '13, Milan, Italy, January 9-11, 2013, <http://www.wseas.org/wseas/cms.action?id=329>

Membr in International Committee la 1<sup>st</sup> International Conference on Advance in Soft Computing and Vision Sciences, ICASCVS 2013, 2<sup>nd</sup> February, 2013, Puri, India, [http://www.irdindia.in/ICASCVS\\_Puri\\_Feb/Programme%20Committee.html](http://www.irdindia.in/ICASCVS_Puri_Feb/Programme%20Committee.html)

Membr in International Committee la 1<sup>st</sup> International Conference on Instrumentation Communication, Control and Automation, ICICCA 2013, 17<sup>th</sup> February, 2013, Nagpur, India, [http://www.irdindia.in/ICICCA\\_Nagpur\\_Feb/Programme%20Committee.html](http://www.irdindia.in/ICICCA_Nagpur_Feb/Programme%20Committee.html)

Membr in International Advisory Committee la INTERNATIONAL CONFERENCE ON INFORMATION, COMMUNICATION & EMBEDDED SYSTEMS, "ICICES 2013", 21 and 22 February, 2013, Chennai, Tamilnadu, India,

Membr in International Committee la 1<sup>st</sup> International Conference on Metallurgical, Manufacturing and Mechanical Engineering, ICMME 2013, 24 February 2013, Bangalore, India, [http://irdindia.in/ICMME\\_Bangalore\\_Feb/Programme%20Committee.html](http://irdindia.in/ICMME_Bangalore_Feb/Programme%20Committee.html)

Membr in International Committee la 1<sup>st</sup> International Conference on Information and Industrial Electronics, ICIIE 2013, 24<sup>th</sup> February, 2013, Chennai, India, [http://www.irdindia.in/ICIIE\\_Chennai\\_Feb/Programme%20Committee.html](http://www.irdindia.in/ICIIE_Chennai_Feb/Programme%20Committee.html)

Membr in Technical Advisory Committee la Second International Conference on Intelligent Interactive Technologies and Multimedia IITM-2013, Allahabad, March 9-11, 2013, India, [http://iitm.iiita.ac.in/committee\\_new.htm](http://iitm.iiita.ac.in/committee_new.htm)

Membr in International Committee Members la 1<sup>st</sup> International Conferene on Mechanics, Simulation and Control (ICMSC 2013), 24th March, 2013, Bangalore, India, [http://www.itsocietyindia.org/Upcoming%20Conf.%20Chapter/Bangalore/ICMSC\\_Bangalore\\_Mar/Editorial%20Board.html](http://www.itsocietyindia.org/Upcoming%20Conf.%20Chapter/Bangalore/ICMSC_Bangalore_Mar/Editorial%20Board.html)

Membr in International Committee Members 1<sup>st</sup> International Conference on Recent Trends in Engineering & Technology (ICRTET 2013), 24th March, 2013, [http://www.itsocietyindia.org/Upcoming%20Conf.%20Chapter/Bangalore/ICRTET\\_Bangalore\\_Mar/Editorial%20Board.html](http://www.itsocietyindia.org/Upcoming%20Conf.%20Chapter/Bangalore/ICRTET_Bangalore_Mar/Editorial%20Board.html)

Membr in Program Committee la World CIST'13 The 2013 World Conference on Information Systems and Technologies, March 27 - 30, Algarve, Portugal, <http://www.aisti.eu/worldcist13/>

Membr in International Program Committee la 1<sup>st</sup> International Conference on Advances in Computer and Information Technology ICACIT 2013, 31st March, 2013, Goa, India, [http://www.itsocietyindia.org/Upcoming%20Conf.%20Chapter/Goa/ICACIT\\_Goa\\_Mar/Editorial%20Board.html](http://www.itsocietyindia.org/Upcoming%20Conf.%20Chapter/Goa/ICACIT_Goa_Mar/Editorial%20Board.html)

Member in International Committee Member la 1<sup>st</sup> International Conference on Mechanical and Production Engineering, ICMPE 2013, 14th April, 2013, Chennai,  
[http://itsocietyindia.org/Upcoming%20Conf.%20Chapter/Chennai/ICMPE\\_Chennai\\_Apr/Editorial%20Board.html](http://itsocietyindia.org/Upcoming%20Conf.%20Chapter/Chennai/ICMPE_Chennai_Apr/Editorial%20Board.html)  
1

Member in Program Committee la IEEE Symposium on Foundations of Computational Intelligence FOCI 2013, affiliated to IEEE SSCI 2013 , Singapore, April 15 – 19, 2013, <http://www.matap.uma.es/foci2013/Main.html>

Member in Program Committee la 2013 IEEE Symposium Series on Computational Intelligence (IEEE SSCI 2013), Workshop on Robotic Intelligence in Informationally Structured Space, Singapore, April 15-19, 2013, [http://www.ntu.edu.sg/home/epnsugan/index\\_files/SSCI2013/index.html](http://www.ntu.edu.sg/home/epnsugan/index_files/SSCI2013/index.html),

Member in International Committee Members la 2<sup>nd</sup> International Conference on Electronics Engineering and Grid System (ICEEGS 2013), 21<sup>st</sup> April, 2013, Mumbai, India,  
[http://irdindiaoj.in/ICEEGS\\_Mumbai\\_Apr/Programme%20Committee.html#](http://irdindiaoj.in/ICEEGS_Mumbai_Apr/Programme%20Committee.html#)

Member in Academic Committee la the third International Conference on Recent Advances in Railway Engineering, ICRARE2013, Iran University of Science and Technology, April 30, May 01, 2013, Tehran, Iran, <http://icrare2013.iust.ac.ir/>

Member in Technical Program Committee la IEEE International Symposium on Medical Measurements and Applications, MeMeA 2013, 4-5 Mai, 2013, Gatineau, Quebec, Canada, <http://memea2013.ieee-ims.org/memea2013/2013/organizers>

Member in International Program Committee la The 2013 International Conference on Control, Decision and Information Technologies, CoDIT'13, May 6-8, 2013, Hammamet, Tunisia, [http://www.hypersciences.org/codit13/index.php?option=com\\_content&view=article&id=27&Itemid=53](http://www.hypersciences.org/codit13/index.php?option=com_content&view=article&id=27&Itemid=53)

Member in Program Committee la The International Conference on Information, Intelligent and Engineering Application, ICIEA 2013, May 11-12, 2013 in Xi-An, China, <http://www.iciiea.org/Committees.htm>

Member in Scientific Committee la 1st WSEAS International Conference on MECHANICAL and ROBOTICS ENGINEERING, MREN '13, Vouliagmeni, Athens, Greece May 14-16, 2013, <http://www.wseas.org/wseas/cms.action?id=2628>

Member in International Advisory Board la IEEE 8<sup>th</sup> International Symposium on Applied Computational Intelligence and Informatics, SACI 2013, May 23-25, 2013, Timisoara, Romania, <http://conf.uni-obuda.hu/saci2013/committees.htm>

Member in IPC la The 12th International Conference on Engineering of Modern Electric Systems - EMES'13 Oradea, <http://electroinf.uoradea.ro/index.php/conferinte/emes-2013/sesiuni/23-cercetare/conferin%C5%A3e/48-sesiunea-cscs.html>

Member in International Committee la 3<sup>rd</sup> International Conference on “Emerging Trends in Engineering and Technologies, ICETET, 2nd June, 2013, New Delhi, India.  
[http://www.itsocietyindia.org/Upcoming%20Conf.%20Chapter/New%20Delhi/ICETET\\_Delhi\\_Apr/Editorial%20Board.html](http://www.itsocietyindia.org/Upcoming%20Conf.%20Chapter/New%20Delhi/ICETET_Delhi_Apr/Editorial%20Board.html)

Member in International Committee la Second International Conference on Advances in Signal Processing and Communication – SPC, organized by ACEEE, SPC 2013, June 21-22, 2013, Lucknow, INDIA, <http://spc.theides.org/2013/index.htm>

Member in IPC la SHUSER 2013, IEEE Symposium on Humanities, Science and Engineering 2013 will be held in Parkroyal Penang Resort Hotel, Penang World Heritage City, Malaysia on 23 – 26 June 2013.

Member In Program Committee la IFSA World Congress – IFSA-NAFIPS 2013, 24-28 June, Edmonton, Canada, <http://www.ualberta.ca/~reformat/ifsa2013/committees.html>

Member in International Program Committee la KES IDT 2013, 5th International Conference on Intelligent Decision Technologies, Sesimbra, Portugal, 26-28 June 2013, <http://idt-13.kesinternational.org/cmsIPCdisplay.php>

Member in Steering Committee la International Conference on Machines and Control System Designs, ICMCSD'13, June 27- 28, 29, 2013, Jughourta Hotel, Gafsa-TUNISIA, <http://www.icmcsd->

13.com/index.php?var=7

Membrina International Advisory Committee la International Conference on Electrical, Electronics, Bio-informatics and Computer Science, ICEEBCS 2013, 7 July 2013, Pune, India, <http://aras.co.in/About.html>

Membrina International Program Committee la 2013 IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications, CIVEMSA 2013, 15-17 July, Milan, Italy, <http://civemsa2013.ieee-ims.org/civemsa-2013/organizers>

Member in Technical Review Committee for SCORED 2012 (2012 IEEE Student Conference on Research and Development).

Membrina Program Committee la The 5<sup>th</sup> International Conference on Networking and Digital Society, Guiyang, China during July 21-22, 2013, <http://www.icnds.org/committees.htm> , **Co-Sponsored by UAV.**

Membrina Program Committee la 7th IEEE International Conference on Digital Ecosystems and Technologies Special Theme - Complex Environment Engineering, IEEE DEST 2013, 24-26 July 2013 – Stanford, California, USA, <http://dest2013.digital-ecology.org/index.php/organising-committee>

Membrina Program Committee la European Intelligence and Security Informatics Conference, EISIC 2013, August 12-14, 2013, Uppsala, Sweden, The Premier European Conference on Counterterrorism and Criminology, <http://www.eisic.org/committee.aspx>

Membrina TPC la International Symposium on Women in Computing and Informatics, WCI-2013, August 23-24, 2013, Mysore, India, <http://icacci-conference.org/site/wci2013>

Membrina IPC la the 2<sup>nd</sup> International Conference on Advances in Computing, Communication and Informatics, ICACCI-2013, 22-25 August 2013, Mysore, India, <http://icacci-conference.org/site/pcc>

Membrina Technical Program Committee la International Symposium on Control, Automation, Industrial Informatics and Smart Grid, ICAIS 2013, 24-25 August, Mysore, India, <http://icacci-conference.org/site/icais2013-committee>

Membrina International Advisory Committee la 2<sup>nd</sup> International Conference on Information & Communication Engineering (ICICE-2013), 25<sup>th</sup> August, 2013, Bangalore, India, <http://www.iciceasia.org/Program%20Committee.html>

Membrina Program Committee la International Symposium on Foundations of Open Source Intelligence and Security Informatics FOSINT-SI 2013, In conjunction with ASONAM 2013, Niagara Falls, Canada, August 26-27, 2013, <http://fosint-si.cpsc.ucalgary.ca/Organization.php>

Membrina Program Committee la Third International Symposium on Data-Driven Process Discovery and Analysis, SIMPDA 2013, 30 August, 2013 - Riva del Garda, Italy, <http://sesar.dti.unimi.it/SIMPDA2013/index.php?pagina=pc>

Membrina Program Committee la IIAI International Conference on Advanced Applied Informatics (IIAI AAI 2013) - 4th International Conference on E-Service and Knowledge Management (ESKM 2013), August 31 - September 4, 2013, Matsue, Japan, Kunibiki Messe, <http://aai2013.iaiai.org/>

Membrina Program Committee la Track 3: FUZZY SYSTEMS AND KNOWLEDGE MANAGEMENT de la 5<sup>th</sup> INTERNATIONAL CONFERENCE ON INTELLIGENT NETWORKING AND COLLABORATIVE SYSTEMS, INCoS-2013, XI AN, CHINA SEPTEMBER 9 - 11, 2013, <http://voyager.ce.fit.ac.jp/conf/incos/2013/committees.html>

Membrina International Program Committee la 8th International International Symposium on Intelligent Signal Processing, WISP 2013 Funchal (Madeira), 9-11 September 2013, <http://trivent.hu/WISP2013/index.php?p=chairs>

Membrina Program Committee la The 8th conference of the European Society for Fuzzy Logic and Technology ,EUSFLAT-2013, 11-13 September 2013, Milano, Italy, <http://www.ir.disco.unimib.it/eusflat2013/committees/>

Membrina Program Committee la 8th International Conference on Soft Computing Models in Industrial and Environmental Applications, SOCO13, 11-13 September 2013, Salamanca, Spain, <http://soco.usal.es/?q=node/3>

Membra in Program Committee la 5<sup>th</sup> ICT Innovations Conference 2013, Ohrid, Macedonia, 12-15 Septembrie 2013, <http://ict-act.org/index.php/programme-committee>

Membra in Technical Committee la THE 4<sup>th</sup> INTERNATIONAL CONFERENCE CONFLUENCE 2013, The Next Generation Information Technology Summit, 26th - 27th Sept. 2013, Amity University Uttar Pradesh, India, <http://www.amity.edu/asetau/confluence2013/committees.html>

Membra in International Committee la IIAI International Conference on Advanced Applied Informatics (IIAI AAI 2013), 4th International Conference on E-Service and Knowledge Management (ESKM 2013), August 31- September 4, 2013, Matsue, Japan, Kunibiki Messe, <http://aai2013.iaiai.org/eskm.html>

Membra in Scientific Committee la EMMIT 2013, Euro-Mediterranean Medical Informatics and Telemedicine 9<sup>th</sup> International Meeting e-Health and Telemedicine in Mediterranean Countries October 21-23, 2013 - Nador, Morocco, <http://www.msftch.org/telemed2013/program/program-committee/>

Membra în Program Committee la ICTAI-13, IEEE International Conference on Tools with Artificial Intelligence (ICTAI) – 2013, 4- 6 November, 2013, Washington DC, USA, <http://www.cs.wright.edu/atrc/ictai13/committees.html>

Membra in Program Committee la The 2013 IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT'13) will be co-located with WI'2013 and will be held in Atlanta, Georgia, USA on November 17-20, 2013, <http://www.cs.gsu.edu/wic2013/>

Membra in Scientific Program Committee la WILF 2013 10th International Workshop on Fuzzy Logic and Applications, Casa Paganini - Genoa (Italy) - November 19-22, 2013 <https://sites.google.com/site/2013wilf/> , <https://sites.google.com/site/2013wilf/committees-1>

Membra in Technical Program Committee la Sixth International Conference on Intelligent Computing and Information Systems, ICICS 2013, 14-16 December, 2013, Faculty of Computer & Information Science (FCIS), Ain Shams University, Cairo, Egypt, [http://net2.shams.edu.eg/icicis/2013/index.php?option=com\\_content&view=article&id=2&Itemid=4](http://net2.shams.edu.eg/icicis/2013/index.php?option=com_content&view=article&id=2&Itemid=4)

Membra in International Advisory Board la World Congress & 6<sup>th</sup> International Conference on Emerging Trends in Engineering & Technology, ICETET 2013, December 16-18, 2013, Nagpur, India, <http://www.icetet.org/CFP%20icetet-13%20new1.pdf>

## **2014**

Membra in International Advisory Committee la 8<sup>th</sup> International Conference on Intelligent Systems and Control Theme: Green Challenges and Smart Solutions, ISCO 2014, 10-11 January 2014, Coimbatore, Tamilnadu, India, <http://www.kceisco.com/committeemembers.php>

Membra in International Advisory Board la International Conference on Interdisciplinary Research in Engineering, Management, Pharmacy and Sciences (ICIREMPS) – 2014, 20 – 22, February 2014, Bhopal, India, [http://sirtbhopal.ac.in/iciremps/int\\_adv\\_board.html](http://sirtbhopal.ac.in/iciremps/int_adv_board.html)

Membra in International Technical Committee la International Conference on Research&Development in Computational and Information Technology, ICRDCIT-2014, 7-8 March 2014, Gaizabad, India, <http://www.icrdcit14.in/international-technical-committee.html>

Membra în Technical Program Committee la The first International Symposium on Signal Processing and Intelligent Recognition Systems SIRS-2014, March 13-15, 2014, Thiruvananthapuram, Kerala, India, <http://www.iitm.ac.in/sirs/ipc.html>

Membra in Advisory Committee la INTERNATIONAL CONFERENCE 2014 POWER AND ENERGY SYSTEMS: TOWARDS SUSTAINABLE ENERGY (PESTSE 2014), Martie 13-15, 2014, Amrita School of Engineering, Bangalore, India, <http://www.eventm.net/pestse2014/ADVISORY%20COMMITTEE?cplid=18&parent=2>

Membra in International Advisory Committee la International Conference On Recent Trends in Engineering and Management Science (RTEM 2014), 20th April, 2014, Nagpur, India,



<http://icemnagpur.co.in/Brochure.pdf>

Membr in International Advisory Committee la International conference On Applications of Artificial Intelligence and Soft Computing, Techniques in Engineering and Technology (AASTE-2014), 27th April, 2014, Goa, India, <http://aaste.bigdataforum.in/Brochure.pdf>

Membr in International Advisory Committee la International Conference on Advances in Computing, Communications and Informatics(ICACCI 2014), 30<sup>th</sup> April, 2014, Chennai, India, [http://irdindia.in/apr\\_chennai14\\_icacci/brochure.pdf](http://irdindia.in/apr_chennai14_icacci/brochure.pdf)

Membr in International Advisory Committee la International Conference on Advanced Electrical Engineering and Computer Theory – ICAEECT – 2014, 4<sup>th</sup> May 2014, Ooty, Tamilnadu, India, <http://icaeect.co.in/Brochure.pdf>

Membr in International Advisory Committee la IEEE International Sympozium on Applied Computational Intelligence and Informatics, SACI 2014, 15-17 May 2014, Timisoara, Romania, [http://conf.uni-obuda.hu/saci2014/SACI2014\\_CFP.pdf](http://conf.uni-obuda.hu/saci2014/SACI2014_CFP.pdf)

Membr in International Advisory Committee la International Conference on Electrical, Electronics and Computer Science Engineering (ICEECSE-2014) 2th May, 2014, Pune, India, [http://itsocietyindia.org/Pune\\_ICEECSE\\_May/Brochure.pdf](http://itsocietyindia.org/Pune_ICEECSE_May/Brochure.pdf)

Membr in Program Committee la INISTA 2014 International Symposium on INnovations in Intelligent SysTems and Applications June 23-25, 2014, Alberobello, Italy, <http://www.inista.org/committees.php>

Membr in Technical Program Committee la 18<sup>th</sup> International Conference on Intelligent Engineering Systems 2014, INES 2014, July 3-5, 2014 in Tihany, Hungary, <http://www.ines-conf.org/ines-conf/2014.html>

Membr in Program Committee la WCCI – World Congres on Computational Intelligence, 2014 IEEE International Conference on Fuzzy Systems, FUZZ-IEEE 2014, 6-11 July 2014, Beijing, China, <http://www.ieee-wcci2014.org/FUZZ-IEEE%20Program%20Committee.htm>

Membr in Committee la 6th International Conference on Networking and Digital Society, ICNDS 2014, July 26-27, 2014, Guiyang, China,

Membr in Technical Program Committee la 2nd World Congress on Multimedia and Computer Science WCMCS 2014, 9-11 August, Hammamet, Tunisia, <http://worldcmcs.com/OrgCommittees.php>

Membr in Technical Committee la SAI Conference 2014, Science and Information Conference 2014, August 27-29, 2014, London, UK, <http://thesai.org/SAIConference2014/Committees>

Membr in Technical Program Committee la International Conference on Industrial Automation, Information and Communication Technology, IAICT, 28-30 August 2014, Bali, Indonesia, <http://iaict.org/organizer/comittee/>

Membr in Technical Program Committee la Science and Information Conference SAI 2014, 27-27 August 2014, London, UK, <http://thesai.org/Downloads/SAIConference2014/SAI%20Conference%20Program.pdf>

Membr in Technical Program Committee la 5th IIAI International Conference on e-Services and Knowledge Management, IIAI-ESKM 2014, August 31 - September 4, 2014, Kitakyushu, Japan, <http://aai2014.iaiai.org/eskm.html>

Membr in Technical Advisory Committee la CDMIC-2014, **International Conference on Data Mining and Intelligent Computing 2014**, 5-6 September 2014, Delhi, India, <http://igit.ac.in/ICDMIC-2014/committee.html>

Membr in International Program Committee la 6th Győr Symposium and 3rd Hungarian-Polish and Hungarian-Romanian Joint Conference on Computational Intelligence, 15-17 September 2014, Gyor, Hungary, <http://6thconfci.sze.hu/committee>

**Membr in Program Committee la** The 5<sup>th</sup> Annual International Conference of Infocomm Technologies in Competitive Strategies (ICT 2014), Special Track on Software Engineering & Applications, 22-23 September 2014, Singapore, <http://www.softwareeng.org/Committee.html>

Membra in Program Committee la 3<sup>rd</sup> International Conference on Advances in Computing, Communications and Informatics, ICACCI-2014, Delhi, India, September 24-27, 2014, <http://icacci-conference.org/website/pc>

Membra in Program Committee la Second International Symposium on Women in Computing Informatics, WCI 2014, Delhi, India, September 24-27, 2014, Delhi, India, September 24-27, 2014, [http://icacci-conference.org/website/sites/default/files/WCI\\_2014-cfp\\_for\\_web.pdf](http://icacci-conference.org/website/sites/default/files/WCI_2014-cfp_for_web.pdf)

Membra in Comitetul Stiintific la **Les Actions de Coopérations Internationales pour l'Enseignement et la Recherche en Génie Beyrouth**, CONF 2014, Liban - 16 à 18 Octobre 2014, <http://citef.org/comite-scientifique-2>

Membra in Program Committee la 1st International Conference on Future RFID Technologies and host the Workshop on Smart Applications for Smart Cities Eger, Hungary, 6-7 November, 2014, <http://futuresrfid.ektf.hu/>

Membra in International Committee la IEEE International Conference on Tools with Artificial Intelligence, ICTAI 2014, 10-12 November 2014, Limassol, Cyprus, <http://ictai2014.cs.ucy.ac.cy/index.php?p=ProgramCommittees>

Membra in Technical Program Committee la International Conference of Contemporary Computing and Informatics, 27-29 November 2014, Mysore, Karnataka, India, <http://ic3i.org/tpc.html>

Membra in Steering Committee la 2014 IEEE 17th International Multi Topic Conference (INMIC 2014), 8-10 December 2014, Karachi, Pakistan, [http://ieee.inmic.org/index.php?option=com\\_content&view=article&id=91&Itemid=70](http://ieee.inmic.org/index.php?option=com_content&view=article&id=91&Itemid=70)

Membra in Award Committee la The 18th Online World Conference on Soft Computing in Industrial Applications World Wide Web, WSC 18, 1-12 December 2014  
<http://www.fti.itb.ac.id/wsc18/award-committee>

Membra in International Advisory Committee la International Conference on Computational Intelligence in Data Mining (ICCIDM-2014), 8-10 December 2014, Burla, Odisha, [http://www.iccidm.in/advisory\\_committee.html](http://www.iccidm.in/advisory_committee.html)

## **2015**

Membra in Technical and Scientific Committee la Retcomp 2015, Recent & Emerging Trends in Computer & Computational Sciences, 8-10<sup>th</sup> January, 2015, Bangalore, India, <http://retcomp15.pesseacm.org/committee/>

Membra in Technical Program Committee la Conference Research and Fuzziology, January 29-31, 2015, Shanghai, China, <http://www.scirp.org/Conference/OrganizingCommittee.aspx?ConferenceID=71>

International Collaboration Committee Chair la IEEE INTERNATIONAL CONFERENCE ON COMPUTATIONAL INTELLIGENCE & COMMUNICATION TECHNOLOGY, 13-14 February 2015, ABES Engineering College, Ghaziabad, India, [http://www.ieeekerala.org/wp-content/uploads/2014/08/Call-for-paper\\_IEEE-CICT-2015.pdf](http://www.ieeekerala.org/wp-content/uploads/2014/08/Call-for-paper_IEEE-CICT-2015.pdf)

Membra in International Advisory Committee la International Conference on Recent Research on Computing, Communications & Informatics (ICRRCCI-2015), 27-28 February 2015, in Dr. Virendra Swarup Group of Institutions, Unnao, Uttarpradesh Pradesh, India, [http://icrrcci.com/?page\\_id=38](http://icrrcci.com/?page_id=38)

Membra in Advisory Committee la International Conference on Emerging trends in Manufacturing, Engines and Modelling, ICEMEM-2015, 27 & 28 - Feb -2015, Organised by Department of Mechanical Engineering SVKM'S NMIMS, Mukesh Patel School of Technology Management & Engineering, Shirpur, Dhule District, Maharashtra, India, <http://www.icemem.com/advisory-committee.html>

Membra in Technical Program Committee la International Conference on Cognitive Computing and Information Processing (**CCIP-15**) – Special Session: Cognitive Computing in Smart Grid Information Processing, 3-5 March, Noida, India, <http://www.ccip.jssaten.ac.in/specialsession.php>

Membra in IPC la **International Conference on Recent Trends in Technology Research – ICRTTR 2015**, will be held during **March 6-7, 2015 in Visakhapatnam, India**, <http://icrttr.in/committees/>

Membra in Technical Committee la Third International Conference on Recent Trends in Computing (ICRTC2015) in SRM University, Delhi-NCR Campus on 12th - 13th March, 2015, <http://www.icrtc.org/Committee.html>

Membra in International Program Committee la International Conference on Recent Trends in Technology Research – **ICRTTR 2015**, March 21-22, 2015, Visakhapatnam, India, <http://icrttr.in/committees/>

Membra in Advisory Committee la International Conference on Computational Intelligence 2015 (ICCI 2015), 9-10 April 2015, Sethu Institute of Technology, Kariapatti, Virudhunagar Dt. , Tamilnadu, India, <http://sethu.ac.in/icci/committee.html>

**Membra in Technical Program Committee la The First International Conference on Big Data, Small Data, Linked Data and Open Data, ALLDATA 2015, April 19 - 24, 2015 - Barcelona, Spain,**

<http://www.iaria.org/conferences2015/ComALLDATA15.html>

Membra in International Program Committee la 19th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems, **KES 2015**, 9-11.09 2015, Singapore, <http://kes2015.kesinternational.org/cmsIPCdisplay.php>

Membra in Program Committee la 7<sup>th</sup> ICT Innovations Conference, Ohrid, Macedonia, 1-4 October, <http://ictinnovations.org/ict-innovations-2014/programme-committee>

Membra in Program Committee la The Second International Conference on Information Systems for Crisis Response and Management in Mediterranean Countries (ISCRAM-med 2015), Tunis, 28-30 October 2015, Tunisia, <http://www.riadi.rnu.tn/iscramed2015/programCom.php>

Membra in Technical Program Committee la International Conference on Mechanics & Applied Physics, from 05-07 November, Rome, Italy, [http://www.icmaph.org/?page\\_id=757](http://www.icmaph.org/?page_id=757)

Program Area Chair to 27<sup>th</sup> International Conference on Tools with Artificial Intelligence, November 9-11, 2015, Vietri sul Mare, Italy, <https://sites.google.com/site/ictai2015italy/committees>

Membra in International Program Committee la International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN 2015), 20-22 November 2015, Kolkata, India, <http://www.icrcicn.in/committee.html>

Membra in International Program Committee la 7<sup>th</sup> World Congress on Nature and Biologically Inspired Computing, Pietermaritzburg, South Africa, 1-3 December 2015, <http://www.mirlabs.net/nabic15/committees.php>

Membra la 2015 IEEE Symposium Series on Computational Intelligence SSCI, Symposium on Foundations of Computational Intelligence, FOCI'15, IEEE, 7-10 December 2015, Cape Town, South Africa, <http://ieeessci.org.za:8080/FOCI>

## **2016**

Membra in Technical Program Committee la 2016 IEEE First International Conference on Control, Measurement and Instrumentation (CMI 2016), January 8-10 2016, Kolkata, India, <https://www.cmi2016india.org/technical-programme-committee.html>

Membra in Steering Committee la PESTSE-2016, Biennial International Conference on Power and Energy Systems: Towards Sustainable Energy 2016, 21-23 January 2016. Bangalore, India. <https://www.amrita.edu/site/pestse2016/steeringcomm.htm>

Membra in Technical Committee la 2nd ICICT 2016 (Sponsored by :IEEE-UP Section)  
*Second-International Conference on Computational Intelligence and Communication Technology*  
12-13 February 2016, ABES Engineering College, Ghaziabad, <http://cict.abes.ac.in/committee.php>

Membra in Internationally Advisory Board la the IEEE 11<sup>th</sup> International Symposium on Applied Computational Intelligence and Informatics (SACI 2016), May 12-14, 2016 in Timisoara, Romania, <http://conf.uni-obuda.hu/saci2016/committees.html>

Membra in Program Committee la 2016 International Symposium on Innovations in Intelligent Systems and Applications, 2-5 August 2016, Sinaia, Romania, <http://www.inista.org/pc.html>

Membra in International Advisory Committee la India International Conference on Information Processing-2016, Delhi, 12-14, August, 2016, <http://dtu.ac.in/iicip-2016/committee.html>

Membra in International Advisory Committee la India International Conference on Information Processing 2016, Delhi, 12-14 August 2016, <http://dtu.ac.in/iicip-2016/committee.html>

Membra in Technical Program Committee la 2016 International Conference on Computer Science and Artificial Intelligence (CSAI 2016), August 13-14, 2016, Guilin, China, <http://www.csai2016.org/committee.html>

Membra in International Program Committee la IEEE 8th International Conference on Intelligent Systems: acronym IEEE IS'16, Sofia, Bulgaria, September 4-6, 2016, <http://www.ieee-is.org>

Membra in Advisory Board la 5th International Conference on Reliability, Infocom Technologies and Optimization (ICRITO 2016), September 07-09, 2016 Amity University Uttar Pradesh (AUUP), Noida, India, <http://icrito.aconf.org/committee.html>

Membra in Technical Program Committee la International Conference on Control, Electronics, Renewable

Energy, and Communications 2016 (ICCEREC 2016), 13-15 September 2016, Bandung Indonesia,

[http://iccerec.org/?page\\_id=10](http://iccerec.org/?page_id=10)

Membra in Technical Program Committee la 4th International Conference on Advanced Computing, Networking, and Informatics (ICACNI 2016), 22-24 September 2016, Rourkela, Odisha, India,

<http://www.icacni.com/committee>

Membra in Technical Committee la 2016 IEEE International Conference on Imaging, Vision & Pattern Recognition (icIVPR), 20~21 Sept., 2016, University of Dhaka, Dhaka, Bangladesh,

<http://cennser.org/icIVPR/committee.html>

Membra in Technical Program Committee la SAI Intelligent Systems Conference, 20-22 Septembrie 2016, Londra, UK, <http://saiconference.com/IntelliSys2016/Committees>

Membra in Technical Committee la The International Conference on Engineering & MIS 2016 will take place in Agadir, Morocco, 22-24 September, 2016, <http://www.iares.net/Committee>

Membra in Scientific Committee la International Conference Industrial Engineering and Environment Protection, 14 Octombrie 2016, Zrejanin, Serbia, [http://www.tfzr.uns.ac.rs/iizs/scientific\\_committee.php](http://www.tfzr.uns.ac.rs/iizs/scientific_committee.php)

Membra in International Program Committee la The 2nd International Conference on Advanced Intelligent Systems and Informatics (AISI'16) Cairo Univeristy, Egypt October 24-26, 2016,

<http://egyptscience.net/AISI2016/committees.html>

Membra in Technical Program Committee la 2016 Asia Pacific Conference on Multimedia and Broadcasting (APMediaCast 2016), November 17-19, 2016, Bali, Indonesia, <http://apmediacast.org/committees/>

Membra in Technical Program Committee la International Conference on Recent Advancement in Computer, Communication and Computational Sciences (ICRACCCS-2016), Janardan Rai Nagar Rajasthan Vidyapeeth University, Udaipur, INDIA during 25-26 Nov 2016, <http://racccs.com/technical.php#technical>

Membra in Technical Program Committee la Future Technology Conference FCT 2016, 6-7 Decembrie 2016, San Francisco, USA, <http://dtu.ac.in/iicip-2016/index.html>

Membra in Advisory Committee la International Conference on Data Science Analytics and Applications (DaSAA 2016), 7-9 Decembrie 2016, Anna University, Chennai, India, <http://www.dasaa.in/AdvisoryC.html>

Membra in Technical Program Committe la International Conference on Opemn Source Systems and Technologies, 15-17 Decembrie, Lahore, Pakistan, [http://icosst.kics.edu.pk/2016/main/tech\\_prog](http://icosst.kics.edu.pk/2016/main/tech_prog)

Technical Program Committee la Sesiunea Modeling, Simulation and Application of Emergent Technologies, 14th International Conference on Frontiers of Information Technology (FIT'16), December 19-21, 2016 at Islamabad, Pakistan, <http://fit.edu.pk/index.php/component/content/article/2-uncategorised/33-contact-us>

International Scientific Committee la ICQCIS 2016: 18th International Conference on Quantum Computation and Intelligent Systems, Dubai, UAE, 27-28 December 2016,

<https://www.waset.org/conference/2016/12/dubai/ICQCIS/committees>

## **2017**

Membra in Advisory Committee la International Conference on Data Science Analytics and Applications (DaSAA 2017), 4-6 January 2017, Cennai, India, <http://www.dasaa.in/AdvisoryC.html>

Membra in Technical Program Committee Mathematic track la The Third International Conference on Mathematics and Computing (ICMC 2017) is a premier conference which is being organized during January 17-21, 2017 at Haldia Institute of Technology, India, <http://hithaldia.co.in/icmc2017/prgcommittee.html>

Membra in International Advisory Committee la 3<sup>rd</sup> IEEE International Conference on Computational Intelligence & Communication Technology, 12-13 feb, 2017, Ghaziabad, India,

<https://groups.google.com/forum/#!topic/rvceiemstaff/IhkNTTZPESo>

Membra in International Program Committee la International Conference on Imaging, Vision & Pattern Recognition (icIVPR), 13-14 Feb. 2017, University of Dhaka, Dhaka, Bangladesh,

<http://cennser.org/icIVPR/committee.html>

Membra in International Advisory Committee la First International Intellectual Convergence on Advances in Science and Engineering, IIASE 2017, 3-4 march 2017, Chenai, India, <http://iiase.in/organizer.html>

Membra in International Advisory Body la 1<sup>st</sup> Conference on Technology, Business & Education (CTBE 2017) March 7-10, 2017, in Quaid-e-Azam Institute of Arts & Sciences (QIAAS Lahore), Pakistan,

<http://qiaas.edu.pk/ctbe2017/>

Membra in Advisory Committee la International Conference on Soft Computing Applications in Wireless Communication - SCAWC 2017. March 09-11, 2017 at [Guru Nanak Dev Engineering College, Ludhiana, Punjab, India](http://www.gurudevcollege.edu.in/), <http://scawc.theides.org/com.html>

Membra in International Advisory Committee la First International Conference on Computational Intelligence, Communications, and Business Analytics (CICBA-2017), March 24-25, 2017, Calcutta, India, [http://cicba-2017.in/cicba\\_committee.aspx](http://cicba-2017.in/cicba_committee.aspx)

Membra in International Reviewing Committee la International Conference on Communication, Management and Information Technology (ICCMIT'17), 3-5 Aprilie 2017, Warsaw, Polonia,

<http://www.iccmnit.net/committees17.html>

Membră în International Advisory Committee la - IIC-STEMPH'17, International Interdisciplinary Conference on Science, Technology, Engineering, Management, Pharmacy and Humanities organized by Innovative Research Publication, DAV Institute of Engineering & Technology, India in collaboration with Prof Ma Moade(Nanyang Technological University, Singapore), 22-23 April 2017, <http://www.iicemp.com/EditorialBoard.aspx>  
Membră în Technical Program Committee la International Conference on Engineering & MIS 2017, Monastir, Tunisia, 08-10 May, 2017, <http://www.iares.net/Committee2017>  
Membră în Academic Committee la "5<sup>th</sup> International Conference on Recent Advances in Railway Engineering", Tehran, Iran, 15-16 May 2017, <http://icrare2017.iust.ac.ir/page/20/Academic-Committee>  
Membră în Technical Program Committee la 14<sup>th</sup> International Conference on Engineering of Modern Electric Systems, (ICEMES 2017), Computer Science and Control Systems Session, May 2017, Oradea, Romania,  
<http://www.icemes.ro/icemes2017/technical-programme-committee.html>

Membră în International Program Committee la 21st International Conference on Control Systems and Computer Science (CSCS21). Bucharest, Romania, May 29 to May 31, 2017, <http://cscs21.hpc.pub.ro/committees/>

Membră în Technical Program Committee la 5th International Conference on Advanced Computing, Networking, and Informatics (ICACNI 2017), 1-3 iunie 2017, Goa, India, <http://www.icacni.com/committee>

Member in the International Advisory Committee la International Conference in Communication, Devices and Networking (ICCDN 2017), organized by the Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Majhitar, Sikkim, India 3-4th June, 2017, <http://www.ecesmit.org.in/ICCDN-2017/committee.html>

Membră în Technical Committee la The 6th 2017 IEEE International Congress on Big Data (BigData Congress 2017), 25-30 June, 2017, Honolulu, Hawaii, USA, <http://www.ieeebigdata.org/2017/organization.html>

Membră în Program Committee la INISTA2017 2017 IEEE International Conference on Innovations in Intelligent Systems and Applications, 3-5 July 2017, Gdynia, Poland, <http://inista.org/program-committee.php>

Membră în Technical Committee la International Conference on Computer, Communication and Computational Sciences (IC4S- 2017), held at Swissôtel Resort Phuket Patong Beach, Thailand during 8-9 July 2017, <http://ic4s.in/index.html>

Membră în Advisory Committee la IEEE International Conference on Signal Processing and Communication – ICSPC'17, July 28-29 2017 Coimbatore, Tamil Nadu, India, <http://www.karunya.edu/ece/icspc17/advcomm.html>

Membră în Technical Program Committee la The 2017 13th International Conference on Natural Computation, Fuzzy Systems and Knowledge Discovery (ICNC-FSKD 2017), 29-31 July 2017, Guilin, China, [http://icnc-fskd.guet.cn/icnc\\_fskd/program\\_committees.htm](http://icnc-fskd.guet.cn/icnc_fskd/program_committees.htm)

Membră în International Program Committee la 2017 International Conference on Intelligent Computing, August 7-10, 2017, Liverpool, UK, Special Sessions, <http://ic-ic.tongji.edu.cn/2017/Special%20Session.htm>

Membră în Technical Committee la 4th International Conference on Advances in Biology and Chemistry (ICABC 2017), 21-23 August 2017, Singapore, <http://www.icabc.org/com.htm>

Membră în Technical Committee la 2<sup>nd</sup> International Conference on Recent Advancements in Computer, Communication and Computational Sciences (RACCCS- 2017), Aryabhata College of Engineering & Research Center, Ajmer, India during September 2-3, 2017, <http://racccs.worldconf.in/technical.php#technical>

Membră în Scientific Committee la International Engineering Research Symposium, UMAS'17, Düzce University, Turkey, 11-13 September, 2017, <http://umas.duzce.edu.tr/Sayfa.aspx?id=7>

Membră în Program Committee la Fourth International Symposium on Computer Vision and the Internet (VisionNet'17), September 13-16, 2017, Manipal, India, <http://icacci-conference.org/visionnet2017/committee.html>

Membră în Technical Program Committee la 2017 2nd International Conference on Automation Sciences (ICOAS 2017), Phnom Penh, Cambodia, September 14-16, 2017, <http://www.icoas.org/committee.html>

Membră în Program Committee la 9<sup>th</sup> International Conference ICT Innovations 2017, 18-23 September, 2017, Skopje, R. Macedonia, <http://ictinnovations.org/ict-innovations-2017/programme-committee>

Membră în International Advisory Committee la 6<sup>th</sup> INTERNATIONAL CONFERENCE on Reliability, Infocom Technologies and Optimization (ICRITO 2017), (Trends and Future directions), September 20-22, 2017, Noida, India, <http://www.amity.edu/aiit/icrito2017/comm.html>

Membră în Steering Committee la The 5th International Conference on Electrical, Electronics and Information



Engineering (ICEEIE 2017) organized by Electrical Engineering Department, Universitas Negeri Malang (State University of Malang) Indonesia, 6-8 October, 2017, <http://elektro.um.ac.id/iceeie/2017/committee>  
Membra in Technical Program Committee la The First International Conference on Computing and Communication Technologies for Smart Nation (IC3TSN 2017), 12-14 October 2017 at G D Goenka University, Gurgaon, <http://ic3tsn-conference.org/2017/#tpc>

Member in International Advisory Committee la 2<sup>nd</sup> International Conference on Conscientious and Unimpeachable Technologies 2017 on 14th October 2017 at St. Andrews Institute of Technology and Management Gurugram, India, <http://www.iiir.co.in/iccut2017/main.php#team>

Membra in Technical Program Committee la 2017 International Symposium on Computer Science and Intelligent Controls (ISCSIC 2017), Budapest, HUNGARY, on Oct.20-22, 2017, <http://www.iscsic.org/>

Membra in Advisory Team la 1st International Conference on Data, Engineering and Applications 2017 (IDEA-2k17), October 28-29, 2017 Bhopal, India, <http://ideaconference.in/Committee.html>

Membra in Technical Program Committee la International Conference on Information Technology and Applied Mathematics (ICITAM 2017), October 30-November 01, 2017, Haldia Institute of Technology, India. <http://www.hithaldia.co.in/icitam2017/site.php?id=6>

Membra in Technicap Program Committee la International Conference Data and Information Sciences ICDIS 2017, 3-4 Noiembre 2017, ndira Gandhi National Tribal University, Amarkantak, M.P. , India, <http://www.icdis.info/committee/technical/>

Honorary Advisory Chair si Membra in Advisory Committee la the 4th International Conference on Computational Intelligence in Data Mining (ICCIDM-2017), 11-12 November 2017, Burla, Odisha, India, <http://www.iccidm.in/committee.php>

Membra in Technical Program Committee la FCT – Future Technologies Conference 2017, Vancouver, Canada 29-30 November 2017, <http://saiconference.com/FTC2017/Committees>

Membra in Technical Program Committee la Seventh International Symposium on Data-driven Process Discovery and Analysis, SIMPDA, 6-8 December, 2017 - Neuchatel, Switzerland, <http://simpda2017.di.unimi.it/index.html#pc>

Membra in Advizory Committee la ICCI-2017, 2017 International Conference on Computational Intelligence: Theories, Applications and Future Directions, December 6<sup>th</sup> - 8<sup>th</sup>, 2017, Indian Institute of Technology Kanpur, India, <http://www.iitk.ac.in/idea/ICCI2017/committee.html>

Membra in Advisory Committee la International Conference on Computing Analytics and Networking, 15-16 December, Bhubaneswar, Odisha, India, <http://iccan.in/steering-committee.html>

Membra in Technical Program Committee la 15th International Conference on Frontiers of Information Technology (FIT'17), December 18-20, 2017, Islamabad, Pakistan, <http://fit.edu.pk/index.php/technical-program-committee>

Membra in Technical Program Committee la 2017 International Conference On Infocom Technologies and Unmanned Systems (ICTUS'2017), (Trends and Future Directions), December 18-20, 2017, Dubai, <http://www.amity.edu/aiit/ictus2017/comm.html>

Membra in Advisory Committee la 2017 IEEE International (biennial) Conference on "Technological Advancements in Power & Energy- TAP Energy 2017, Amritapuri, Kerala, December 21-23, 2017. <https://www.amrita.edu/event/ieee-international-conference-technological-advancements-power-and-energy-tap-energy-2017>

Membra in Advisory Committee la International Conference on Computational Systems and Information Technology for Sustainable Solution 2017, 21-23 Decembrie 2017, Bengaluru, India, <http://www.csitss2017.rvce.edu.in/csitss2017/committee.html>

Program Chair la Fourth International Conference on Intelligent Computing & Applications 2017 (ICICA 2017), 22-23 December 2017 Cennai, India, <http://icica.info/committees.html>

Membra in Steering Committee la The 5th International Conference on Electrical, Electronics and Information Engineering (ICEEIE 2017) is organized by Electrical Engineering Department, Universitas Negeri Malang (State University of Malang) supported by its partners which is to be held in Malang (Indonesia), <http://elektro.um.ac.id/iceeie/2017/committee>

## **2018**

Membra in Advisory Committee la International Conference on Cutting Edge Technologies in Computing and



Communications, 10-11 January, Chennai, India, <http://sriramec.edu.in/ICCETCC-2018/International-Conference-CSE.pdf>

Member in Advisory Board la 52nd Annual Convention of Computer Society of India (CSI 2017) Kolkata, 19th January to 21st January 2018, <http://csi2017.in/advisory-board/>

*Member in Technical Program Committee la 2018 International Conference on Signal Processing and Information Communications, Seoul, Korea, January 21-23, 2018, <http://www.icspic.com/index.html>*

Member in International Scientific Committee la ICAA 2018 : 20th International Conference on Adaptive Architectures, 21-23 January, Dubai, UAE, <http://waet.org/conference/2018/01/dubai/ICAA/committees>

Member in Technical Program Committee la International Conference on Computer Vision and Image Analysis applications (ICCVIA' 2018), 28-30 January, 2018, Cairo, Egypt, <http://iccvia.org/tpc/>

Member in technical Program Committee la International Conference on Communication, Computing & Internet of Things - (IC3IoT 2018), Chennai, India, 15-17 February 2018, <http://ic3iot-conference.org/tpc.html>

Technical Program Chair la ICBDCI'18 - International Conference on Big Data & Computational Intelligence, 16-18 February, 2018, Goa, India, <http://www.icbdci.org/committee/committee.html>

Member in Technical Program Committee la International Conference on Emerging Trends in Expert Applications & Security (ICETEAS 2018) to be held in Jaipur, India, 17-18 February, 2018, <http://iceteas.in/committees.html>

Member in International Advisory Committee la International Conference On POWER, ENERGY, CONTROL AND TRANSMISSION SYSTEMS, Harnessing Power and Energy for an affordable Electrification of India 22<sup>ND</sup> & 23<sup>RD</sup> FEBRUARY, 2018, Chennai, India, [http://www.icpects2018.com/Advisory\\_Committee.html](http://www.icpects2018.com/Advisory_Committee.html)

Member in Technical Committee la 2018 International Conference on Mechatronics, Control and Robotics will be held in Ho Chi Minh, Vietnam during February 25-27, 2018, <http://icmcr.org/committee.html>

Member in Advisory Committee la eHaCON-2018: International Ethical Hacking Conference, 2018, Institute of Engineering & Management, Gurukul, Kolkata, India, April 6-7, 2018, <https://easychair.org/cfp/eHaCON2018>

Member in International Advisory Committee la International Conference on Advances in Green Communication Technologies (ICAGCT-2018), will be organized by the Dept. of Electronics & Communication Engineering ,T. John Institute of Technology, Bangalore-560083, during 7<sup>th</sup>- 8<sup>th</sup> May, 2018, <http://icagct.com/committee.html>

Member in Scientific Committee la International Conference on Advanced Technologies, Computer Engineering and Science (ICATCES 2018), 11-13 May 2018, Safranbolu, Turkey, <http://icatces.org/committee.php>

Member in Technical Program Committee la 6th International Conference on Advanced Computing, Networking, and Informatics (ICACNI 2018), 4-6 June 2018, Silchar, India, <http://www.icacni.com/committee>

Member in Technical Program Committee la 6th International Conference on Advanced Computing, Networking, and Informatics, (ICACNI – 2018), 04 - 06 June 2018, Silchar, India, <http://www.icacni.com/committee>

Member in Technical Committee la The 7th International Conference on Big data Congress (Bigdata Congress 2018), June 25-30, 2018, Seattle, USA, <http://www.ieeebigdata.org/2017/organization.html>

Member in International Advisory Committee la International Conference on Intelligent Data Communication Technologies and Internet of Things (ICICI 2018) is being organized on 07-08, August 2018 at Hotel Arcadia,Coimbatore, India, <http://www.icoici.org/Committee.html>

Member in Program Committee la World Symposium on Digital Intelligence for Systems and MACHines DISA-2018, 23 – 25 August 2018, Košice, Slovak Republic, <http://sacc-eu.eu/en/news/world-symposium-on-digital-intelligence-for-systems-and-machines-disa-2018/>

Member in Advisory Committee la 2018 International conference on Cyber Physical Systems and IoT, CSPIOT 2018, 21-23 September, 2018, Stockholm, Suedia, <http://www.cpsiot.org/commit.html>

Member in Advisory Committee la 3<sup>rd</sup> International Conference on Communication and Electronics Systems (ICES 2018), 15-16 October 2018, Coimbatore, India, <http://icoecs.org/committee.html>

Member in Advisory Committee la 3<sup>rd</sup> International Conference on Communication and Electronics Systems (ICES 2018) is being organized on 18-19 October 2018, Coimbatore India, <http://icoecs.org/committee.html>

Member in Advisory/Technical Committee la IEEE International Conference on Circuits and Systems in Digital Enterprise Technology (ICCSDET-2018), 21-22 Decembrie 2018, Saintgits College of Engineering, Kottayam, India, <http://www.iccsdet.com/advisory-technical-program-committee/>

## 2019

Member in International Advisory Committee la TECHNOCON'19, 11-13 January, 2019, Kolkata, India, <http://www.technocontig.in/committe.php>

Member in Technical Program Committee to 2nd International Conference on Signal Processing and Information Communications will be held in Phuket, Thailand during January 19-21, 2019, <http://www.icspic.com/committee.html>

Member in International Advisory Board to 1st INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN TECHNOLOGY & APPLICATIONS, Lucknow, India, <https://aktu.ac.in/pdf/collegenewsandevent/ETTA-Brochure.pdf>

Member in International Coordination Committee to 10th International Conference on “Emerging Trends in Computing Technology and Management” 7 to 9 February, 2019, Bhopal, India, <http://titbhopal.net/wp-content/uploads/2019/01/brochure-for-mail-01.pdf>

Member in International Advisory Committee to 1<sup>st</sup> International Conference on Computers and Information Technology, 8-10 February, Cairo, Egypt, <http://nspconfs.com/iccit2019/Default.aspx>

Member in Advisory Board la Fourth International Conference on Communication, Computing and Information Technology, ICCMIT 2019, 15th and 16th February 2019, M.O.P. Vaishnav College for Women(Autonomous), Chennai, India, 15-16 February 2019, <http://www.mopvc.edu.in/icccmit2019/>

Member in Technical Program Committee to 2nd International Conference on Mechatronics, Control and Robotics, [Fukuoka Institute of Technology](http://www.fukuoka-institute-of-technology.ac.jp/), Fukuoka, during February 23-25, 2019, <http://www.icmcr.org/committee.html>

Keynote Speaker to International Conference on Sustainable Computing in Science, Technology and Management, SUSCOM-2019, February 26 - 28, 2019, Amity University Rajasthan, Jaipur, India, <http://suscom.org.in/Speakers.html>

Honorary Chair si Membra in Technical Program Committee la 1st International Conference on Machine Learning, Image Processing, Network Security and Data sciences (MIND-2019), 3 - 4 March 2019, NIT Kurukshetra, India, <https://www.mind2019.in/organizers>

Membra in Technical Program Committee la 6<sup>th</sup> International Conference **INDIACom-2019**, 13-15 March 2019, New Delhi, India, <http://www.bvicam.ac.in/indiacom/technicalProgrammeCommittee.asp>  
*Technical Program Chair si Invited Speaker la la International Conference on Intelligent Machines, 15 - 16 March, 2019 Baba Farid College of Engineering and Technology, Bathinda, INDIA*  
<http://112.196.18.149:8082/committee.aspx>

**General Chair and Invited Speaker** to International Conference on Cognitive Informatics & Soft Computing (CISC-2019), Annamacharya Institute of Technology & Sciences, 9th to 10th April 2019, Rajampet, INDIA, <http://www.iccisc.com/committees.html>, <https://www.iccisc.com/brochure.pdf>

Member in International Advisory Committee la 1st International Conference on Innovation in Information and Communication Technologies (IICICT 2019), St. Peter's College of Engineering and Technology, 25-26 April 2019, Avadi, **Chennai**, Tamil Nadu, INDIA, <https://www.spcet.ac.in/iciict2019/#speakers>

**Member in Scientific Committee** to 2nd International Conference on Advanced Technologies, Computer Engineering and Science (ICATCES 2019), 26-28 April 2019 Alanya, TURKEY, <http://icatces.org/committee.php>

Membra in Technical Committee to International Conference on Advances in Science, Engineering and Robotics Technology 2019 EWU, Dhaka, Bangladesh, 3-5 May 2019, <https://icasert.com/technical-committee/>

*Membra in International Organizing Committee la Yazhi Global Research Conference on Science, Engineering & Technology, THE ARCADIA HOTEL, Coimbatore, Tamilnadu, India on 18th May 2019,*  
<http://ygrc19.com/index.php/organizing-committee/>

Membra in International Advisory Board la [IEEE 13<sup>th</sup> International Symposium on Applied Computational Intelligence and Informatics](http://www.conf.uni-obuda.hu/saci2019/committees.html), SACI 2019, Timisoara, Romania, <http://conf.uni-obuda.hu/saci2019/committees.html>

Member in Technical Committee to 6th International Conference on Advances in Biology and Chemistry (ICABC 2019) will be held in Nanjing University of Science and Technology, China during June 24-26, 2019, <http://www.icabc.org/com.htm>

Member in International Advisory Committee to Yazhli Global Research Conference on Science, Engineering, Technology & Management (YGRC19) 29 JUNE 2019, THE ARCADIA, COIMBATORE, TAMILNADU, INDIA, <http://ygrc19.com/index.php/organizing-committee/>

Conference Chair and Keynote Speaker la The 2nd International Conference of Computer Science and Renewable Energies « ICCSRE'2019 », July 22-24, 2019, Agadir, Morocco.  
<https://iccsre2019.akrit.org/keynote-speakers/>

Member in Advisory Committee la International Ethical Hacking Conference, 17-25 August, 2019, Kolkata, India, <http://www.ehacon.org/committee.html>

Member in Program Committee la The International Conference on Deep Learning and Machine Learning in Emerging Applications (Deep-ML), 26-28 August 2019, Istanbul, Turkey, <http://www.ficloud.org/deep-ml-2019/programmecommittee.php>

Member in International Advisory Board and Invited Speaker to the **1st International Conference on Innovation in Modern Science and Technology (ICIMSAT 2019)**, Siliguri Institute of Technology, West Bengal, India on September 20-21, 2019, <https://www.icimsat2019.com/>

Member in the committee to International Conference on Computational Vision and Bio Inspired Computing, (ICCVBIC 2019), September 25 -26, 2019, Coimbatore, India, <http://iccvbic.com/home/Committee.html>

Member in Advisory Committee to 2nd International Conference on Cyber Physical Systems and IoT (CPSIoT 2019) will be held in Amsterdam, Netherlands on 25-27, September, <http://www.cpsiot.org/commit.html>

Chair of the Steering Committee and member in the IPC to 2019 3<sup>rd</sup> International Symposium on Computer Science and Intelligent Control (ISCSIC 2019) will be held in Amsterdam, Netherlands on 25-27 September 2019, <http://www.iscsic.org/committee.html>, <http://www.iscsic.org/>

Keynote Speaker si Member in International Advisory Board la INTERNATIONAL CONFERENCE ON COMPUTING, POWER AND COMMUNICATION TECHNOLOGIES (GUCON 2019), September 27-28, 2019, Galgotias University, INDIA. <http://gucon.org/GUCON/key.html>

Member in Committee la International Conference On Computational Vision and Bio Inspired Computing (ICCVBIC 2019), October 10-11, 2019, Coimbatore, Tamil Nadu, <http://iccvbic.com/home/Committee.html>

*Member in International Advisory Board la International Conference on Innovative Sustainable Computational Technologies, CISCT 2019, 11-12 Octombrie 2019, Dehradun, India, <http://www.geuicisct.com/>*

Member in Advisory Board to 9<sup>th</sup> International Conference on Emerging Trends in Engineering & Technology Signal and Information Processing, 1-2 November, 2019, Nagpur, India, <http://www.icetet.org/icetet-sip2019/>

Member in Technical Program Committee la *International Conference in Computational Intelligence and Knowledge Economy*, Amity University, 11-12<sup>th</sup> Dec 2019, Dubai, UAE, <http://www.amity.edu/aiit/aicai2019/v>

Member in Technical Program Committee to International Conference on Big Data, Machine Learning, and Applications (BigDML 2019), NIT Silchar, December 16-19, 2019, <http://bigdml.nits.ac.in/TPC.html>

General Chair la International Conference on Biologically Inspired Techniques in Many-Criteria Decision Making (BITMDM-2019) organized by Dept. of Information & Communication Technology during 19<sup>th</sup>-20<sup>th</sup> December, 2019 at Fakir Mohan University, Balasore Odisha, India, <http://bitmdm.com/committee.html>

## **2020**

Member in the Advisory Board la IC<sup>4</sup>T-2020 is the third conference in the ICT series of conferences which are held once in two years. The first one was organised in 2016 and the second in 2018. This will be held at Shri Ramswaroop Memorial Group of Professional Colleges (SRMGPC), Lucknow during 29-31 oct. 2020, <http://ic4t.co.in/index.html#testimonials>

## **Book Chapters:**

1. V. E. Balas, M. M. Balas. *Traffic Management by Constant Time to Collision*, Ignac Lovrek, Robert J. Howlett and Lakhmi C. Jain (Eds.), Book: *Knowledge-Based Intelligent Information and Engineering Systems*, 12th International Conference, KES 2008, Zagreb, Croatia, September 3-5, 2008, Proceedings, Part III, LNAI 5179/2008, pp. 658–663, 2008, © Springer-Verlag Berlin Heidelberg 2008, ISBN 978-3-540-85566-8, DOI 10.1007/978-3-540-85567-5\_81, <http://www.springerlink.com/content/54066776m5814356/>,

2. M. M. Balas, Valentina E. Balas – *Postmodernism and Control Engineering*, Rudolf Seising (editor): Views on Fuzzy Sets and Systems from Different Perspective. Philosophy, Logic; Criticism and Applications, Vol. 243, ISBN 978-3-540-93801-9, Cap 18, pag. 377-390, <http://www.springer.com/engineering/book/978-3-540-93801-9>
3. V.E. Balas, M. M. Balas. *A Survey on the Constant Time to Collision Techniques*, Lotfi A. Zadeh, Dan Tufis, Florin Gheorghe Filip, Ioan Dzitac (eds.), From Natural Language to Soft Computing: New Paradigms in Artificial Intelligence , Editing House of Romanian Academy, ISBN:978-973-27-1678-6, 2008 , 11 pag. (to appear).
4. M. M. Balas, V.E. Balas. *World Knowledge for Controllers by Fuzzy-Interpolative Systems*, Lotfi A. Zadeh, Dan Tufis, Florin Gheorghe Filip, Ioan Dzitac (eds.), From Natural Language to Soft Computing: New Paradigms in Artificial Intelligence , Editing House of Romanian Academy, ISBN:978-973-27-1678-6, 11 pag, 2008.
5. M. M. Balas, Valentina E. Balas – *The Fuzzy Interpolative Control for Passive Greenhouses*, H.-N. Teodorescu, J. Watada, and L.C. Jain (Eds.): Intelligent Systems and Technologies, SCI 217, Vol. 217, ISBN978-3-642-01884-8, pp. 219–231, 2009, <http://www.springer.com/engineering/book/978-3-642-01884-8>
6. Marius M. Balas, Valentina E. Balas, *Adaptive Rule-Based Reasoning by Qualitative Analysis*, 13 International Conference on Information Processing and Management of Uncertainty, IPMU 2010, Dortmund, Germany, June 28- July 2, Proceedings, Part I, CCIS 80, pp. 553-560, E. Hullermeier, R. Kruse, F. Hoffman (Eds.), Springer-Verlag, Berlin –Heidelberg 2010, ISSN 1865-0929, ISBN-10 3-642-14054-8 Springer Berlin Heidelberg, NewYork, <http://www.springerlink.com/content/u50w1n1652815147/>
7. Nicolae Popescu-Bodorin, Valentina E. Balas, *Learning Iris Biometric Digital Identities for Secure Authentication. A Neural-Evolutionary Perspective Pioneering Intelligent Iris Identification*, Springer, Title of the book: Recent Advances in Intelligent Engineering Systems, Volume Editor(s): J. Fodor, R. Klempous and C.P. Suárez Araujo, pp. 405-430. Springer Verlag, 2011
8. Valentina E. Balas, Iulia Motoc, Alina Barbulescu, Combined Haar-Hilbert and Log-Gabor Based Iris Encoders, Springer, Title of the book: *New concepts and applications in Soft Computing*, Volume, Studies in Computational Intelligence, Vol. 417, Balas, Valentina Emilia; Fodor, János; Varkonyi-Koczy, Annamaria (Eds.), 2012, XII, ISBN 978-3-642-28958-3, 278 p.
9. Valentina E. Balas, Marius M. Balas, *Fuzzy Systems towards Field Applications*, Rudolf Seising, Enric Trillas, Claudio Moraga, and Settimo Termini (eds.), *On Fuzziness. A Homage to Lotfi A. Zadeh*, Springer Verlag, Berlin, New York, 2012, Volume 216, Chapter 25, pp. 189-195.
10. Ahmad. Taher Azar, Valentina E. Balas, *Classification and Detection of Diabetic Retinopathy*, 2nd International Workshop on Next Generation Medical Decision Support Systems 2012 MedDecSup'2012, Sofia, Bulgaria, 10-11 July, Studies in Computational Intelligence, ISSN: 1860-949X, Springer.
11. V. E. Balas, C. M. Noaica, J.R. Popa, C. Munteanu, V. C. Stroescu, *Establishing PNN-Based Iris Code to Identity Fuzzy Membership for Consistent Enrollment*, In volume Advances in Intelligent and Soft Computing, Series Ed.: Kacprzyk, Janusz, Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014, July 22-24, 2014, Timisoara, Romania, Guest Editors: Valentina E. Balas, Lakhmi C. Jain, Branko Kovačević, Springer Verlag, 2016, AISC, Vol. 2, pag. 805-818.
12. N. Popescu-Bodorin, V. E. Balas, *Best Practices in Reporting Iris Recognition Results*, In volume Advances in Intelligent and Soft Computing, Series Ed.: Kacprzyk, Janusz, Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014, July 22-24, 2014, Timisoara, Romania, Guest Editors: Valentina E. Balas, Lakhmi C. Jain, Branko Kovačević, Springer Verlag, 2016, AISC, Vol. 2, pag. 819-828.
13. D. Balas Timar, V. E. Balas, R. Lile, R. Sinha, *Fuzzy scoring algorithm and long term job performance*, In volume Advances in Intelligent and Soft Computing, Series Ed.: Kacprzyk, Janusz, Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014, July 22-24, 2014, Timisoara, Romania, Guest Editors: Valentina E. Balas, Lakhmi C. Jain, Branko Kovačević, Springer Verlag, 2016, AISC, Vol. 2, pag. 925-938.
14. D. Jude Hemanth, Valentina E. Balas and J. Anitha, *Hybrid Neuro-Fuzzy Approaches for Abnormality Detection in Retinal Images*, In volume Advances in Intelligent and Soft Computing, Series Ed.: Kacprzyk, Janusz, Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014, July 22-24, 2014, Timisoara, Romania, Guest Editors: Valentina E. Balas, Lakhmi C. Jain, Branko Kovačević, Springer Verlag, 2016, AISC, Vol. 1, pag. 295-306.



15. S. Senthil Kumar, H. Hannah Inbarani, Ahmad Taher Azar, Hala S. Own, Valentina Emilia Balas, Teodora Olariu, *Optimistic Multi-Granulation Rough set based Classification for Neonatal jaundice*, In volume *Advances in Intelligent and Soft Computing*, Series Ed.: Kacprzyk, Janusz, *Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014*, July 22-24, 2014, Timisoara, Romania, Guest Editors: Valentina E. Balas, Lakhmi C. Jain, Branko Kovačević, Springer Verlag, 2016, AISC, Vol. 1, pag. 307-318.
16. Ahmad Taher Azar, Hanaa S. Ali, Valentina E. Balas, Teodora Olariu, Rujita Ciurea, *Diagnosis Boosted Decision Trees for Vertebral Column Disease Diagnosis*, In volume *Advances in Intelligent and Soft Computing*, Series Ed.: Kacprzyk, Janusz, *Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014*, July 22-24, 2014, Timisoara, Romania, Guest Editors: Valentina E. Balas, Lakhmi C. Jain, Branko Kovačević, Springer Verlag, 2016, AISC, Vol. 1, pag. 319-334.
17. Mousumi Kumar, Valentina E. Balas, Bijay Baran Pal, Using Fuzzy Goal Programming with Penalty Functions for Solving EEPGD Problem via Genetic Algorithm, IGI Global, [Handbook of Research on Natural Computing for Optimization Problems](#) Chapter 34, pag. 847-869, ISBN 9781522500582, DOI: 10.4018/978-1-5225-0058-2.ch034
18. Debjani Chakraborti, Valentina E. Balas, Bijay Baran Pal, Genetic Algorithm for FGP Model of a Multiobjective Bilevel Programming Problem in Uncertain Environment, IGI Global, [Handbook of Research on Natural Computing for Optimization Problems](#) Chapter 35, pag. 870-888, ISBN 9781522500582, DOI: 10.4018/978-1-5225-0058-2.ch035
19. S. Chakraborty, N. Dey, S. Samanta, A.S. Ashour, V.E. Balas, Firefly algorithm for optimized nonrigid demons registration, *Bio-Inspired Computation and Applications in Image Processing*, <http://dx.doi.org/10.1016/B978-0-12-804536-7.00010-7>, Elsevier, 2017, Accepted
20. Rekik Ali, Gabsi Mounir, Valentina Emilia Balas, Masmoudi Nissen, Fuzzy Evaluation Method for Project Profitability, Volume 512 of the series [Advances in Intelligent Systems and Computing](#), *Selected Papers from the International Conference on Computer Science and Information Technologies, CSIT 2016, September 6-10 Lviv, Ukraine*, pp 17-27, Springer 2016, [http://link.springer.com/chapter/10.1007/978-3-319-45991-2\\_2](http://link.springer.com/chapter/10.1007/978-3-319-45991-2_2) (**ISI Proceedings**)
21. Jagatheesan Kaliannan, Nilanjan Dey, Anand B., Amira S. Ashour, Nguyen Gia Nhu, Balas Valentina Emilia, "Automatic Generation Control of Hydro-Hydro interconnected power system based on Ant Colony Optimization", *Handbook of Research on Intelligent Nature-Inspired Computing*, 2017, IGI Global.
22. Ram Kumar, F. A. Talukdar, Nilanjan Dey, Amira S. Ashour, V. Santhi, Valentina Emilia Balas, Fuqian Shi, Histogram Thresholding in Image Segmentation: A Joint Level Set Method and Lattice Boltzmann Method Based Approach, Volume 2, *Proceedings of the 2015 International Conference on Information Technology and Intelligent Transportation Systems ITITS 2015, held December 12-13, 2015, Xi'an China*, Editors: [Valentina Emilia Balas](#), [Lakhmi C. Jain](#), [Xiangmo Zhao](#), ISBN: 978-3-319-38769-7, Volume 455 of the series [Advances in Intelligent Systems and Computing](#), 2017, pp 529-539.
23. S. Rakesh kumar, K. Ramkumar, Seshadhri Srinivasan, Valentina Emilia Balas, Fuqian Shi, Self-Calibration of Dead Reckoning Sensor for Skid-Steer Mobile Robot Localization Using Neuro-Fuzzy Systems, Volume 2, *Proceedings of the 2015 International Conference on Information Technology and Intelligent Transportation Systems ITITS 2015, held December 12-13, 2015, Xi'an China*, Editors: [Valentina Emilia Balas](#), [Lakhmi C. Jain](#), [Xiangmo Zhao](#), ISBN: 978-3-319-38769-7, Volume 455 of the series [Advances in Intelligent Systems and Computing](#), 2017, pp 541-551.
24. Sirshendu Hore, Sankhadeep Chatterjee, V. Santhi, Nilanjan Dey, Amira S. Ashour, Valentina Emilia Balas, Fuqian Shi, Indian Sign Language Recognition Using Optimized Neural Networks, Volume 2, *Proceedings of the 2015 International Conference on Information Technology and Intelligent Transportation Systems ITITS 2015, held December 12-13, 2015, Xi'an China*, Editors: [Valentina Emilia Balas](#), [Lakhmi C. Jain](#), [Xiangmo Zhao](#), ISBN: 978-3-319-38769-7, Volume 455 of the series [Advances in Intelligent Systems and Computing](#), 2017, pp 553-563.



25. Jagatheesan Kaliannan, Anand B, Nguyen Gia Nhu, Nilanjan Dey, Amira S. Ashour and Valentina E. Balas, *Automatic Generation Control of Hydro-Hydro Interconnected Power System Based on Ant Colony Optimization*, Recent Developments in Intelligent Nature-Inspired Computing, Editor Srikanta Patnaik, IGI Global, pag 153-170, <http://www.igi-global.com/book/recent-developments-intelligent-nature-inspired/173681>

## Journals

1. M. Bălaș, V. Bălaș, *Dispozitiv de optimizare a funcționării iluminatului în vagoanele de călători*. “Revista CFR” nr. 5/1993, pag. 20 – 22.
2. M. Bălaș, V. Bălaș, C. Alexandrescu. *Some Remarks on the Fuzzy - PID Controllers*. Buletinul Științific al Universității "Politehnica" din Timișoara, Proceedings of the Symposium on Electronics and Telecommunications "Etc.'98", Vol II, Timișoara, sept. 17-18 1998, pag. 277-282, ISSN 1224-6034,
3. V. Bălaș. *The Computer Model of an Intelligent Speed Sensor for Railway Coaches*. A 5-a Conferință internațională de Ingineria Sistemelor Moderne în Electrotehnică, Universitatea din Oradea, Fascicola Electrotehnică, Analele Universității din Oradea, Fascicola electrotehnica, Sect. C, 28-29 mai 1999, Băile Felix, pag. 33-37, ISSN 1223-2106,
4. M. Bălaș, V. Bălaș, T. L., Dragomir. [A preamble on the identification of the operating regimes of the controllers by the help of the phase trajectory](http://www.listic.univ-savoie.fr/modules.php?name=Busefal&func=AfficherVolume&no_volume=87) . Electronic BUSEFAL ISSN 0296-3698. Busefal #87, LAMII / CESALP – Université de Savoie, Annecy, France, Iunie 2002 Format electronic. [http://www.listic.univ-savoie.fr/modules.php?name=Busefal&func=AfficherVolume&no\\_volume=87](http://www.listic.univ-savoie.fr/modules.php?name=Busefal&func=AfficherVolume&no_volume=87)
5. V. Bălaș, E. Roventța, T. Spiricu. *Weighted Fusion of Changes of Belief*. CONTI 2004, The 6-th International Conference on Technical Informatics „Politehnica” University of Timisoara, Faculty of Automation and Computers, 27-28 May 2004, Scientific Bulletin of „Politehnica” University of Timișoara, Romania, Transactions on Automatic Control and Computer Science, Vol.49(63), 2004, ISSN 1224-600X, pag. 105 – 110, Editura Politehnica,
6. C. Muscă, V. Bălaș. *Energy Saving by Euristic Control Rules in Greenhouses*. Simpozionul cu participare internațională: “Cercetarea științifică o punte spre integrarea europeană”, Arad, 3-4 noiembrie 2004, Analele Universității “Aurel Vlaicu” din Arad, Seria Textile, Fascicola: tehnologii textile, pag. 548 – 555, ISSN 1582-3431,
7. V. Bălaș, C. Barna, S. Bălaș. *The Estimation of the Vegetation Stage of Greenhouse Plants by Fused Sensors of Images and CO<sub>2</sub>*. Simpozionul cu participare internațională: “Cercetarea științifică o punte spre integrarea europeană”, Arad, 3-4 noiembrie 2004, Analele Universității “Aurel Vlaicu” din Arad, Seria Textile, Fascicola: tehnologii textile, pag. 530 – 535, ISSN 1532-3431,
8. V. Bălaș, M. Bălaș. *Considerații asupra modelelor interne*. “Aurel Vlaicu” University of Arad, Faculty of Engineering, Scientific and Technical Bulletin, Series: Electrotechnics, Electronics, Automatic Control and Computer Science, Vol. I, No.1, 2004, pag. 19-34. ISSN 1584-9198.
9. V. Balaș. *Railway vehicles’ diagnosis by internal models*. Analele Universității din Oradea, Fascicula Electrotehnică, Secțiunea Știința Calculatoarelor și Sisteme de Control, Proceedings of the 8th International Conference on Engineering of Modern Electric Systems EMES '05, 26 - 28 May, 2005, Oradea, pag. 18-23, ISSN 1223-2106,
10. M. Bălaș, M. Ciugudean, V. Bălaș. *Adaptive Fuzzy Interpolative Controllers and Applications*. Revista de Inventica, Nr. 48, Vol IX, An XV, 2005, Romanian Journal for Creativity in Engineering and Technology – Research and Education Reports, Special Issue, Guest Editors: Horia-Nicolai Teodorescu, Seizaburo Arita, Zvetlana Cojocar, Romanian Inventors Society, Iasi, ISSN 1210-3084, pag. 13-23, <http://www.inventica.org.ro/revista/reviste/r48/Abstract%2048.pdf>
11. M.M. Balas, V.E. Balas, D. V. Balas-Timar, L. R. Szantho. *The Fuzzy-Interpolative Methodology in Soft Computing*. WSEAS Transactions on Information Science and Applications, Issue 9, Volume 3, September 2006, ISSN 1790-0832, pg. 1625-1631,
12. I. Filip, O. Prostean, I. Szeidert, V. Balas, G. Prostean. *Comparative Study Regarding an Adaptive Fuzzy Controller and a Self-Tuning Controller with Application to the Excitation Control of a Synchronous Generator*. WSEAS Transactions on Systems, Issue 7, Volume 5, July 2006, ISSN 1109-2777, pag. 1587-1994,
13. V. E. Balas, M. M. Balas. *Observing Control Systems by Phase Trajectories of the Error*. WSEAS Transactions on Systems, Issue 7, Volume 5, July 2006, ISSN 1109-2777, <http://www.wseas.org>, pag. 1717-1722, <http://www.worldses.org/journals/systems/systems-july2006.doc>,
14. M. M. Balas, V. E. Balas, S. V. Musca, C. Musca. *Ecological Reconstruction Using Energetic Passive Greenhouses*. RSEE, 6th International Conference on Renewable Sources and Environmental Electro-Technologies, 8 - 10 June 2006, Oradea, Romania, Computer Science And Control Systems Session pag. 265-

270, Analele Universitatii din Oradea/Fascicula ELECTROTEHNICA, Sectiunea: Stiinta Calculatoarelor si Sisteme de Control, [http://electroinf.uoradea.ro/facultate/fascicola\\_ssc.html](http://electroinf.uoradea.ro/facultate/fascicola_ssc.html),

15. A. Stoica, A. Tigan, A. Rugea, K. Drienovski, V. Balas. *Development of a Computerized System of Irrigation for Helping Crops Grow*, Scientific and Technical Bulletin, Series: Mechanical Engineering, Vol. 3, No. 2, 2007, pag. 52-61, ISSN 1584-918X, <http://uavsb.xhost.ro/papers/currentissue.php>,

16. V.E. Balas, E. Roventa, T. Spiricu. *Fusion devices and changes of belief*, Journal of Intelligent and Fuzzy Systems, Volume 19, Number 1 / 2008, Special Issue on Soft Computing and Applications, IOS Press, ISSN 1064-1246 (Print) 1875-8967 (Online), pp. 9-18, <http://iospress.metapress.com/content/q0h6213h3k20/?sortorder=asc&v=condensed>  
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, Bimonthly, ISSN: 1064-1246, IOS PRESS, NIEUWE HEMWEG 6B, AMSTERDAM, NETHERLANDS, 1013 BG, - ISI – 0,486

17. V.E. Balas, J. Fodor, A. Varkonyi-Koczy. *Guest-editorial*, Journal of Intelligent and Fuzzy Systems, Volume 19, Number 1 / 2008, Special Issue on Soft Computing and Applications, IOS Press, ISSN 1064-1246 (Print) 1875-8967 (Online), pp. 1-2, <http://iospress.metapress.com/content/q0h6213h3k20/>

JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, Bimonthly, ISSN: 1064-1246, IOS PRESS, NIEUWE HEMWEG 6B, AMSTERDAM, NETHERLANDS, 1013 BG

18. *Chee Peng Lim, Lakhmi C. Jain, Ngoc Thanh Nguyen, Valentina E. Balas*. *Guest-editorial: Special issue on advances in Computational intelligence paradigms and applications*, *Fuzzy Optimization and Decision Making*, Volume 7, Number 3 / September, 2008, pag 215-217, <http://www.springerlink.com/content/t07557618474/?p=30d98a1880b64519b8727735c6f5c68e&pi=0>,

19. V. E. Balas, M. M. Balas. *Constant Time to Collision Platoons*, Int. J. of Computers, Communications & Control, ISSN 1841-9836, E-ISSN 1841-9844, Vol. III (2008), Suppl. issue: Proceedings of ICCCC 2008, pp. 33-39, 15-17 Mai 2008 Oradea, Romania, [http://www.journal.univagora.ro/?page=supp\\_issue2008](http://www.journal.univagora.ro/?page=supp_issue2008)

20. M. M. Balas, V. E. Balas. *World Knowledge for Control Application by Fuzzy-Interpolative Systems*, Int. J. of Computers, Communications & Control, ISSN 1841-9836, E-ISSN 1841-9844, Vol. III (2008), Suppl. issue: Proceedings of ICCCC 2008, pp. 28-32, 15-17 Mai 2008 Oradea, Romania, [http://www.journal.univagora.ro/?page=supp\\_issue2008](http://www.journal.univagora.ro/?page=supp_issue2008)

21. M.M. Balas, V.E. Balas. *Monoscopic CCD Cameras as Distance Sensors*, Proceedings of the Bio-Inspired Computational Methods Used for Difficult Problems Solving. Development of Intelligent and Complex Systems, BICS 2008, Romanian Academy, Bucharest and Petru Maior University Tg. Mures, 5-7 November 2008, ISSN 2065-0418, pag. 77-83.

22. V.E. Balas, M. M. Balas. *On the Switching Control*, Proceedings of the Bio-Inspired Computational Methods Used for Difficult Problems Solving. Development of Intelligent and Complex Systems, BICS 2008, Romanian Academy, Bucharest and Petru Maior University Tg. Mures, 5-7 November 2008, ISSN 2065-0418, pag. 108-113

23. Marius-Constantin Popescu, Onisifor Olaru, Valentina Balas, *Identification of the De-synchronization, Synchronization and Forced Oscillation Phenomenon of a Nonlinear System*, WSEAS TRANSACTIONS ON SYSTEMS AND CONTROL, ISSN: 1991-8763, Issue 4, Volume 4, April 2009, pag. 177-187, <http://www.worldses.org/journals/control/control-2009.htm>

24. Marius-Constantin Popescu, Valentina E. Balas, Gheorghe Manolea, Liliana Perescu-Popescu, Nikos Mastorakis, *Theoretical and Practical Aspects of Heating Equation*, WSEAS TRANSACTIONS ON SYSTEMS AND CONTROL, WSEAS TRANSACTIONS ON SYSTEMS AND CONTROL, ISSN: 1991-8763, Issue 8, Volume 4, August 2009, pag. 349-358 <http://www.worldses.org/journals/control/control-2009.htm>

25. I. Szeidert, O. Prosteian, N. Budisan, I. Filip, V. E. Balas, G. Prosteian, *Actual Situation and Perspectives on Wind Energy Usage in Banat Region*, WSEAS TRANSACTIONS ON SYSTEMS AND CONTROL, ISSN: 1991-8763, Issue 8, Volume 4, August 2009, pag. 369-372, <http://www.worldses.org/journals/control/control-2009.htm>

26. Marius-Constantin Popescu, Valentina E. Balas, Liliana Perescu-Popescu, Nikos Mastorakis, *Multilayer Perceptron and Neural Networks*, WSEAS TRANSACTIONS ON CIRCUITS AND SYSTEMS, ISSN: 1109-2734, Issue 7, Volume 8, July 2009, pag. 579-588, <http://www.worldses.org/journals/circuits/circuits-2009.htm>

27. V.E. Balas, L. C. Jain, *World knowledge for sensors and estimators by models and internal models*, Journal of Intelligent and Fuzzy Systems, Volume 21, Number 1-2 / 2010, IOS Press, ISSN 1064-1246 (Print) 1875-8967 (Online), pp. 79-88, DOI 10.3233/IFS-2010-0437, - ISI – 0,486

28. Tsung-Chih Lin, Mehdi Roopaei, Valentina Emilia Balas, *Adaptive Interval Type-2 FNN  $H_\infty$  Control for Synchronization between Two Different Time-Delay Chaotic Systems*, Mathematics in Engineering, Science and Aerospace, MESA, The transdisciplinary international journal, ISSN 2041 - 3165 (print), 3173 (online),

(Accepted in July 2010), <http://www.journalmesa.com>

29. Tsung-Chih Lin, Tun-Yuan Lee, **Valentina E. Balas**, *Adaptive fuzzy sliding mode control for synchronization of uncertain fractional order chaotic systems*, Chaos, Solitons & Fractals, ISSN 0960-0779, Elsevier, Volume 44, Issue 10, October 2011, Pages 791-801 - **ISI – 1,4092, (1.2348224513173 – 2010)**, [doi:10.1016/j.chaos.2011.04.005](http://doi.org/10.1016/j.chaos.2011.04.005), <http://sd1.myipcn.org/science/article/pii/S0960077911001433>

30. Tsung-Chih Lin, Chia-Hao Kuo, Valentina E. Balas, *Uncertain Fractional Order Chaotic Systems Tracking Design via Adaptive Hybrid Fuzzy Sliding Mode Control*, INTERNATIONAL JOURNAL of COMPUTERS, COMMUNICATIONS & CONTROL, ISSN 1841-9836, E-ISSN 1841-9844 . Year: 2011 Volume: 6 Number: 3 (September), *This Issue is Dedicated to Professor Lotfi A. Zadeh on the Occasion of his 90th Birthday*, Guest editors: Valentina E. Balas, Ioan Dzitac and Horia-Nicolai Teodorescu, Agora University Editing House, pag. 400-409.

31. Zhenbin Du, Tsung-Chih Lin, **Valentina E. Balas**, *A New Approach to Nonlinear Tracking Control Based on Fuzzy Approximation*, INTERNATIONAL JOURNAL of COMPUTERS, COMMUNICATIONS & CONTROL, ISSN 1841-9836, E-ISSN 1841-9844 . Year: 2012 Volume: 7 Number: 1 (March), Agora University Editing House, pag. 61-72.

32. Ahmad Taher Azar, **Valentina E. Balas**, Statistical Methods and Artificial Neural Networks Techniques in Electromyography, [International Journal of System Dynamics Applications \(IJSDA\)](http://www.irma-international.org/viewtitle/62869/), IGI Global, DOI: 10.4018/ijsda.2012010103, ISSN: 2160-9772, E-ISSN: 2160-9799 , Volume 1, Issue 1, 2012, pag. 39-47, <http://www.irma-international.org/viewtitle/62869/>, <http://www.igi-global.com/article/international-journal-system-dynamics-applications/62869>

33. Tsung-Chih Lin, Chia-Hao Kuo, Tun-Yuan Lee and **Valentina E. Balas**, *Adaptive Fuzzy  $H^\infty$  Tracking Design of SISO Uncertain Nonlinear Fractional Order Time-Delay Systems*, [Nonlinear Dynamics](http://www.sciencedirect.com/journal/nonlinear-dynamics), [Volume 69, Number 4](http://www.sciencedirect.com/journal/nonlinear-dynamics) (2012), pag. 1639-1650, DOI: 10.1007/s11071-012-0375-5, Springer, ISSN 0924-090X, - **ISI – 1,99**

34. Zhenbin Du, Tsung-Chih Lin, Valentina E. Balas, *A New Approach to Nonlinear Tracking Control Based on Fuzzy Approximation*, INTERNATIONAL JOURNAL of COMPUTERS, COMMUNICATIONS & CONTROL, ISSN 1841-9836, E-ISSN 1841-9844 . Year: 2012 Volume: 7 Number: 1 (March), Agora University Editing House, pag. 61-72.

35. Ahmad Taher Azar, Valentina E. Balas, Statistical Methods and Artificial Neural Networks Techniques in Electromyography, [International Journal of System Dynamics Applications \(IJSDA\)](http://www.irma-international.org/viewtitle/62869/), IGI Global, DOI: 10.4018/ijsda.2012010103, ISSN: 2160-9772, E-ISSN: 2160-9799 , Volume 1, Issue 1, 2012, pag. 39-47

36. V.K. Sudha, R. Sudhakar, Valentina E. Balas, Fuzzy Rule Based Segmentation of CT Brain Images of Hemorrhage for Compression, International Journal of Advanced Intelligence Paradigms, No. 3-4/2012, pag. 256-267, ISSN 1755-0394, <http://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijaip>

Tsung-Chih Lin, Chia-Hao Kuo, Valentina E. Balas, *Real-Time Fuzzy System Identification Using Uncertainty Bounds*, Neurocomputing, ISSN: 0925-2312, Elsevier, on line 9 June 2013, pag 195–216, **IF=0,917**, <http://dx.doi.org/10.1016/j.neucom.2013.05.011>.

38. Santhosh P. Mathew, Valentina E. Balas, Zachariah K. P., Philip Samuel, *An Efficient Content-based Image Retrieval System Based on Polar Raster Edge Sampling Signature*, Acta Polytechnica Hungarica, ISSN: 1785-8860, Vol. 11, No. 3, 2014, pag. 25-36, **IF=0,588/2012**

39. Nicolaie Popescu-Bodorin, Valentina E. Balas, *Fuzzy Membership, Possibility, Probability and Negation in Biometrics*, Acta Polytechnica Hungarica, ISSN: 1785-8860, Vol. 11, No. 4, 2014, pag. 79-100, **IF=0,588/2012**

40. [Santhosh P Mathew](http://www.uni-obuda.hu/journal/), [Valentina Emilia Balas](http://www.uni-obuda.hu/journal/), [Zacharia K.P.](http://www.uni-obuda.hu/journal/), *A Content-based Image Retrieval System Based on Convex Hull Geometry*, ISSN: 1785-8860, Vol. , No. , 2014, pag. , <http://www.uni-obuda.hu/journal/> , **ISI, IF=0,588/2012**

41. [Santhosh P Mathew](http://www.uni-obuda.hu/journal/Mathew_Balas_KP_57.pdf), [Valentina Emilia Balas](http://www.uni-obuda.hu/journal/Mathew_Balas_KP_57.pdf), [Zacharia K.P.](http://www.uni-obuda.hu/journal/Mathew_Balas_KP_57.pdf), *A Content-based Image Retrieval System Based on Convex Hull Geometry*, ISSN: 1785-8860, Vol. 12, No. 1, 2015, pag. 103-116, [http://www.uni-obuda.hu/journal/Mathew\\_Balas\\_KP\\_57.pdf](http://www.uni-obuda.hu/journal/Mathew_Balas_KP_57.pdf) , **ISI, IF=0,588/2012**

42. N. Muthukumar, Seshadhri Srinivasan, K. Ramkumar, P. Kavitha and Valentina Emilia Balas, *Supervisory GPC and Evolutionary PI Controller for Web Transport Systems*, Acta Polytechnica Hungarica, ISSN: 1785-8860, Vol. 12, No. 5, 2015, pag. 135-153

43. D. Jude Hemanth, J. Anitha, Valentina E. Balas, *Performance Improved Modified Fuzzy C-Means Algorithm for Image Segmentation Applications*, Informatica Lithuan International Journal, ISSN 0868-4952, 2015, Vol. 26, No. 4, pag. 635-648, <http://www.mii.lt/informatica/>, DOI: <http://dx.doi.org/10.15388/Informatica.2015.68>
44. S. Bharathi, R. Sudhakar, Valentina E. Balas, *Hand Vein based Multimodal Biometric Recognition*, Acta Polytechnica Hungarica, ISSN: 1785-8860, Vol. 12, No. 6, 2015, pag. 213-229
45. G. Saravanakumar, K. Valarmathi, M. Pallikonda Rajasekaran, Seshadhri Srinivasan, M. Willjuice Iruthayarajan, Valentina E. Balas, *Tuning Multivariable Decentralized PID Controller Using State Transition Algorithm*, Studies in Informatics and Control, ISSN 1220-1766, Volume 24, Issue 4, December 2015, pag. 367-378
46. R. Dey, S. Ghosh, G. Ray, A. Rakshit, V. E. Balas, *Improved Delay-Range-Dependent Stability Analysis of a time-delay system with Norm Bounded Uncertainty*, ISA Transactions, ISSN 0019-0578, Elsevier, DOI 10.1016/j.isatra.2015.06.012, Vol. 58, pag. 50-57
47. Ting He, Luyin Cao, Valentina E. Balas, Pamela McCauley, Fuqian Shi, *Curvature Manipulation of the Spectrum of Valence-Arousal-related fMRI Dataset using Gaussian-shaped Fast Fourier Transform and its Application to Fuzzy KANSEI Adjectives Modeling*, Neurocomputing, ISSN: 0925-2312, Volume 174, 22 January 2016, Pages 1049-1059
48. Zairan Li, Ting He, Luying Cao, Pamela McCauley, Valentina Emilia Balas, Shi Fuqian *Multi-source information fusion model in rule-based Gaussian-shaped fuzzy control inference system incorporating Gaussian density function*, Journal of Intelligent and Fuzzy Systems, ISSN 1064-1246, vol. 29, no. 6, pp. 2335-2344, 2015, DOI: 10.3233/IFS-151932
49. Sivanandam Venkatesh, Kannan Ramkumar, Muralidharan Guruprasath, Seshadhri Srinivasan, Valentina E. Balas, *Generalized Predictive Controller for Ball Mill Grinding Circuit in the Presence of Feed-grindability Variations*, Studies in Informatics and Control, ISSN 1220-1766, Volume 25, Issue 1, March 2016, pag. 29-38
50. N. Muthukumar, Seshadhri Srinivasan, K. Ramkumar, K. Kannan and Valentina Emilia Balas, *Adaptive Model Predictive Controller for Web Transport Systems*, Acta Polytechnica Hungarica, ISSN: 1785-8860, Vol. 13, Nr. 3, 2016, pag. 181-194
51. Abir Ghosh, Anurag Sarkar, Amira S. Ashour, Dana Balas-Timar, Nilanjan Dey, Valentina E. Balas, *Grid Color Moment Features in Glaucoma Classification*, International Journal of Advanced Computer Science and Applications (IJACSA), ISSN 2156-5570, Volume 6 Issue 9, pag. 99-107, September, **2015 (SAI Journal)**, [http://www.thesai.org/Downloads/Volume6No9/Paper\\_13-Grid\\_Color\\_Moment\\_Features\\_in\\_Glaucoma\\_Classification.pdf](http://www.thesai.org/Downloads/Volume6No9/Paper_13-Grid_Color_Moment_Features_in_Glaucoma_Classification.pdf), **ISI, IF = 0**  
DOI 10.14569/IJACSA.2015.060913#sthash.aQW8lw7G.dpuf
52. N. Muthukumar, Seshadhri Srinivasan, K. Ramkumar, K. Kannan and Valentina Emilia Balas, *Adaptive Model Predictive Controller for Web Transport Systems*, Acta Polytechnica Hungarica, ISSN: 1785-8860, Vol. 13, Nr. 3, **2016**, pag. 181-194
53. Sk. Saddam Ahmed, Nilanjan Dey, Amira S. Ashour, Dimitra Sifaki-Pistolla, Dana Balas-Timar, Valentina E. Balas, João Manuel R. S. Tavares, *Effect of Fuzzy Partitioning in Crohn's Disease Classification: A Neuro-fuzzy based Approach*, Medical & Biological Engineering & Computing, ISSN 0140-0118, January 2017, Volume 55, [Issue 1](#), pp 101-115
54. Sirshendu Hore, Sankhadeep Chatterjee, Sarbartha Sarkar, Nilanjan Dey, Amira S. Ashour, Dana Balas-Timar and Valentina E. Balas, *Neural-based prediction of structural failure of multi storied RC buildings*, Structural Engineering and Mechanics, ISSN: 1225-4568 (Print), 1598-6217 (Online), Vol. 58, No. 3, pag. 459-473, **2016**
55. Jude Hemanth, Anitha J., Valentina E. Balas - *Fast and Accurate Fuzzy C-Means Algorithm for MR Brain Image Segmentation*, International Journal of Imaging Systems and Technology, ISSN 1098-1098, Volume: 26 Issue: 3 Pages: 188-195
56. Rakesh Kumar SIDHARTHAN, Ramkumar KANNAN, Seshadhri SRINIVASAN, Valentina Emilia BALAS, *Stochastic Wheel-Slip Compensation Based Robot Localization and Mapping*, Advances in Electrical and Computer Engineering, Volume 16, Nr. 2, ISSN **1582-7445**, pag. 25-32, DOI, 10.4316/AECE.2016.02004



57. He, Ting; Cao, Luyin; Balas, Valentina E.; McCauley, Pamela; Shi, Fuqian, *Curvature manipulation of the spectrum of ValenceArousal-related fMRI dataset using Gaussian-shaped Fast Fourier Transform and its application to fuzzy KANSEI adjectives modeling*, NEUROCOMPUTING, ISSN: 0925-2312, Volume: 174, Pages: 1049-1059, Part: B, Ianuarie 2016
58. Sidharthan, Rakesh Kumar Kannan, Ramkumar, Srinivasan, Seshadhri, Valentina Emilia Balas, *Stochastic Wheel-Slip Compensation Based Robot Localization and Mapping*, ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, ISSN: 1582-7445, Volume: 16, Issue: 2, Pages: 25-32, DOI: 10.4316/AECE.2016.02004, Published: 2016
59. Rule-based back propagation neural networks for various precision rough set presented KANSEI knowledge prediction: a case study on shoe product form features extraction, Zairan Li, Ph.D Kai Shi, Nilanjan Dey, Amira S. Ashour, Dan Wang, Valentina E. Balas, Pamela McCauley, Fuqian Shi, *Neural Computing and Applications*, NCAA, ISSN: 0941-0643, <http://rd.springer.com/journal/521>, Volume 28, Issue 3, pag. 613–630.
60. Marjan Kuchaki Rafsanjani, Hamideh Fatemidokht, Valentina Emilia Balas, *Modeling and optimization of Quality of Service routing in Mobile Ad hoc Networks*, Open Physics formerly Central European Journal of Physics, ISSN 2391-5471, Volume: 14 Issue: 1 Pages: 498-507, Ianuarie 2016
61. Dan Wang, Zairan Li, Luying Cao, Valentina E Balas, Nilanjan Dey, Amira S. Ashour, Pamela McCauley, Sifaki-Pistolla Dimitra and Fuqian Shi, *Image fusion incorporating parameter estimation optimized Gaussian mixture model and fuzzy weighted evaluation system: a case study in time-series plantar pressure dataset*, IEEE Sensors Journal, ISSN 1530-437X, **17** ( 5 ), art. no. 7790864, pp. 1407 – 1420
62. S. Kamal, N. Dey, A.S. Ashour, S. Ripon, V.E. Balas, M.S. Kaysar, *FbMapping: AN AUTOMATED SYSTEM FOR MONITORING FACEBOOK DATA*, *Neural Network World*, ISSN 1210-0552, DOI: 10.14311/NNW.2017.27.002, vol 1, 2017, pag. 27-57

## Proceedings papers

1. M. Bălaș, V. Bălaș, V. Crișan. *Dispozitiv de supraveghere selectivă și protecție a rețelelor trifazate cu nul izolat*. "Sesinea jubiliară Oradea, mai, 1993", Analele Universității Oradea, 1993, secț. Electrotehnică.
2. M. Bălaș, V. Bălaș. *Traductoare pt. măsurarea vitezei vagoanelor realizate în Arad*. Sesiunea de Comunicări Științifice a Univ. "Aurel Vlaicu" Arad, mai 1994 Secț. Material Rulant, pag. 65-68
3. M. Bălaș, V. Bălaș, I. Puie. *Metodă de măsurare automată a gradului de tasare al amestecurilor de formare crude*. Sesiunea de Comunicări Științifice a Univ. "Aurel Vlaicu" Arad, mai 1994 secț. Știința și Tehnologia Materialelor, pag. 90-95.
4. M. Bălaș, V. Bălaș. *Considerații referitoare la structura invertoarelor pentru iluminatul fluorescent al mijloacelor de transport.*, Buletinul sesiunii de comunicări științifice a cadrelor didactice, Acad. Navală "Mircea cel Bătrân", Constanța, mai 1995, vol. II pag. 543-546.
5. M. Bălaș, D. Stamboli, V. Bălaș. *Structuri ale instalațiilor de comandă a vagoanelor de călători, rezultate din ultimele fișe UIC*. Sesiunea de Comunicări Științifice a Univ. "Aurel Vlaicu" Arad, mai 1996 secț. Material Rulant, Vol. 7, pag. 153–158, ISBN 973-97708-0-0.
6. B. Pancan, L. Savici, M. Bălaș, V. Bălaș, N. Dincă. *Influența agenților de luciu asupra curbelor curenț-tensiune la băile de nichelare lucioasă*. Sesiunea de Comunicări Științifice a Univ. "Aurel Vlaicu" Arad, mai 1996 secț. Protecția mediului și protecția anticorozivă, Vol 11, pag. 167–172.
7. V. Bălaș, D. Săbăilă. *Modelul unui traductor inteligent pentru măsurarea fără contact a lățimii țesăturilor*. Sesiunea de Comunicări Științifice a Univ. "Aurel Vlaicu" Arad, mai 1996, secț. Electrotehnică, Electronică, Automatizări, pag. 266 – 271, ISBN 973-97708-0-0.
8. M. Bălaș, V. Bălaș. *Modelarea matematică a unui vagon de călători cu aer condiționat*. Sesiunea de Comunicări Științifice ale Universității "Aurel Vlaicu" din Arad, Ediția a IV-a, "25 de ani de învățământ tehnic superior arădean", 30-31 octombrie 1997, Vol VIII - Electrotehnică, Electronică și Automatizări, pag. 359–368, ISBN 973-98365-8-5.
9. M. Bălaș, V. Bălaș, C. D. Căleanu. *Regulatoare aplicabile în instalațiile de condiționare a aerului din vagoanele de călători*. Sesiunea de Comunicări Științifice ale Universității "Aurel Vlaicu" din Arad, Ediția a IV-a, "25 de ani de învățământ tehnic superior arădean", 30-31 octombrie 1997, Vol VIII - Electrotehnică, Electronică și Automatizări, pag. 369–378, ISBN 973-98365-8-5.

10. M. Bălaș, V. Bălaș. *Metode ale inteligenței artificiale aplicate în construcția vehiculelor moderne de cale ferată*. Sesiunea de Comunicări Științifice ale Universității "Aurel Vlaicu" din Arad, Ediția a IV-a, "25 de ani de învățământ tehnic superior arădean", 30-31 octombrie 1997, Vol VIII - Electrotehnică, Electronică și Automatizări, pag.379-386, ISBN 973-98365-8-5.
11. V. Bălaș, N. Matica. *Biblioteca virtuală - teamă și speranță, limite și posibilități*. Analele Universității "Aurel Vlaicu" din Arad, octombrie 2000, Seria Teologie, Fascicola: Teologie și Științe Umaniste, pag. 146-153.
12. M. Bălaș, V. Bălaș. *Autoadaptarea prin criteriul  $\delta\varepsilon\text{-}\delta^2\varepsilon$* . Analele Universității "Aurel Vlaicu" Arad, octombrie 2000, Seria Electrica, Fascicola Electrotehnică, Electronică și Automatizări, pag. 51-54, ISSN 1582-3377
13. M. Bălaș, V. Bălaș, L. Jitaru. *Un model pe calculator al frânei disc pentru vagoanele de călători*. Analele Universității "Aurel Vlaicu" Arad, octombrie 2000, Seria Mecanica, Fascicola: Rezistența Materialelor, Material Rulant de Cale Ferată, Fizică, pag. 5-12, ISSN 1582-3377.
14. V. Bălaș. *Rolul de interfață simbolică a traductoarelor fuzzy*. Analele Universității "Aurel Vlaicu" Arad, octombrie 2000, Seria Electrica, Fascicola Electrotehnică, Electronică și Automatizări, pag. 55-62, ISSN 1582-3377.
15. M. Balas, V. Balas, L. Foulloy, S. Galichet. *A model of the sliding Wheel During Braking*. BOGIE 2001: *The 5-th International Conference on Railway Bogies and Running Gears*, Budapest University of Technology and Economics, Department of Railway Vehicles, Sept. 2001, Budapest, Hungary, **SCOPUS indexed**.
16. V. Bălaș. *A Fuzzy Fusion Sensor of the Speed of a Railway Car During the Sliding of the Wheels Including a Model of the ABS Braking Equipment*. The 9 th International Conference on Information Processing and Management of Uncertainty in Knowledge based Systems, IPMU2002, July 1-5 2002, Annecy, France, pag. 1979-1986.
17. V. Bălaș, M. Bălaș. *The Real-Time Evaluation of the Adhesion by Internal Model*. The 8th Mini Conference on Vehicle System Dynamics, Identification and Anomalies, 11-13 November, 2002, Budapest, Hungary, ISBN 963 420 8177, pag. 247-254, **SCOPUS indexed**.
18. M. Bălaș, V. Bălaș, L. S. Bocîi, I. Radu, I. Koles. *The Real Time Evaluation of the Weariness of the Disc Brake*. The 8 Th Mini Conference on Vehicle System Dynamics, Identification and Anomalies, 11-13 November, 2002, Budapest, Hungary, pag. 241-246, ISBN 963 420 8177, **SCOPUS indexed**.
19. M. Bălaș, V. Bălaș. *Utilitatea modelelor interne pentru vagoanele de călători*. Analele Universității „Aurel Vlaicu” din Arad, Seria Electrică, Fascicola: Electrotehnică, Electronică, Automatizări, Arad, 28-30 noiembrie 2002, Arad, ISSN 1582-3377, pag. 19-26.
20. V. Bălaș, M. Bălaș. *Senzor inteligent al aderenței roată-șină pentru vagoanele de călători*. Analele Universității „Aurel Vlaicu” din Arad, Seria Electrică, Fascicola: Electrotehnică, Electronică, Automatizări, Arad, 28-30 noiembrie 2002, ISSN 1582-3377, pag. 27-34.
21. V. Bălaș. *Deterministic Models in Sensors affected by Uncertainties*. Proceedings of the 10<sup>th</sup> International Conference on Information Processing and Management of Uncertainty in Knowledge-based Systems, IPMU2004, Special Session „Uncertainty and Defuzzification”, July 4 – 9, 2004, Perugia, Italy, Vol I, pp. 697-702.
22. M. Bălaș, V. Bălaș. *The Family of Fuzzy Self Adaptive Interpolative Controllers*. International Conference on Information Processing and Management of Uncertainty in Knowledge-based Systems, IPMU2004, Special Session „Control”, July 4 – 9, 2004, Perugia, Italy, Vol III, pp. 2119-2124.
23. R. E. Precup, S. Preitl, M. Bălaș, V. Bălaș. *Fuzzy Controllers for Tire Slip Control in Anti-lock Braking Systems*. Proceedings of the 2004 IEEE International Conference on Fuzzy Systems, FUZZ-IEEE ,04, Budapest, 25-29 July 2004, Volume 3, pag. 1317 – 1322, Indexed by INIST-CNRS, Cote INIST: Y 38577(1), 35400013866828.2270, Indexed by IEE INSPEC IEEE CNF, INSPEC Accession Number: 8254425, IEEE Catalog Number 04CH37542, ISBN 0-7803-8353-2, ISSN 1098-7584, **INSPEC Indexed**.
24. M. Balas, V. Balas, C. Barna, J. Duplaix, Gh. Gherman, R. E. Precup. *The Real Time Estimation of the Weariness of the Wheels' Tread for Railway Vehicles*. Proceedings of the 6th International Conference on Railway Bogies and Running Gears, Budapest, Hungary, 13-16 sept. 2004, edited by Prof. Istvan Zobory, Department of Railway Vehicles BME, Budapest, Hungary, ISBN 963-421-5750, pag. 387-392., **SCOPUS indexed**.
25. V. Bălaș, M. Bălaș. *Considerații asupra modelelor interne*. “Aurel Vlaicu” University of Arad, Faculty of Engineering, Scientific and Technical Bulletin, Series: Electrotechnics, Electronics, Automatic Control and Computer Science, Vol. I, No.1, 2004, pag. 19-34, ISSN 1584-9198.



26. V. Bălaș, E. Roventa, T. Spiricu. *Fusion Devices and Changes of Belief*. IEEE – SOFA 2005 Proceedings, IEEE International Workshop on Soft Computing Applications, SOFA, 27-30 August, 2005, Szeged–Hungary & Arad-Romania, pag. 160-167, ISBN 963 219 001 7.
27. L.T.Koczy, M. Balas, M. Ciugudean, V.Balas, J. Botzheim. *On the Interpolative Side of the Fuzzy Sets*. IEEE – SOFA 2005 Proceedings, IEEE International Workshop on Soft Computing Applications, SOFA, 27-30 August, 2005, Szeged–Hungary & Arad-Romania, pag. 17-23, ISBN 963 219 001 7.
28. M. Balas, V. Balas, C Barna. *The Constant Effort Imposed Distance Braking for Urban Railway Vehicles*. EUROCON 2005 – The International Conference “Computer as a Tool”, Belgrade, Serbia and Montenegro, November 21-24, 2005, IEEE Catalog Number: 05EX1255C. ISBN: 1-4244-0050-3, pag. 365-368, Indexed by IEE INSPEC IEEE CNF, **INSPEC Indexed**
29. V. E. Balas, M. M. Balas. *The Identification of the Operating Regimes of the Controllers using the Phase Trajectory of the Error*. The 7th WSEAS International Conference on AUTOMATION & INFORMATION (ICAI'06), [Cavtat, Croatia, June 12-14, 2006](#), ISSN: 1790-5109, ISSN: 1790-5117, ISBN: 960-8457-46-7, pag. 101-104, **BDI Indexed**
30. M. M. Balas, V. E. Balas, D. V. Balas Timar, L. R. Szantho. *The Fuzzy-Interpolative Concept Applied In Soft Computing*. The 7th WSEAS International Conference on Automation and Information (ICAI'06), [Cavtat, Croatia, June 12-14, 2006](#), ISSN: 1790-5109, ISSN: 1790-5117, ISBN: 960-8457-46-7, pag.95-100, **BDI Indexed**
31. I. Filip, O. Prostean, I. Saeidert, V. E. Balas, G. Prostean. *Adaptive Fuzzy Controller and Adaptive Self-Tuning Controller: Comparative Analysis for the Excitation Control of a Synchronous Generator*. The 7th WSEAS International Conference on Automation and Information (ICAI'06), [Cavtat, Croatia, June 12-14, 2006](#), ISSN: 1790-5109, ISSN: 1790-5117, ISBN: 960-8457-46-7, pag. 89-94, **BDI Indexed**
32. M. M. Balas, V. E. Balas. *Optimising the Distance-Gap Between Cars by Fuzzy-Interpolative Control with Time to Collision Planning*. ICM 2006, IEEE Conference on Mechatronics, Budapest, Hungary, July 3-5, 2006, pag. 215-218, IEEE Catalog Number of printed proceedings 06EX1432, ISBN 1-4244-9712-6, Indexed by IEE INSPEC IEEE CNF, INSPEC Accession Number: 9157024, Digital Object Identifier 10.1109/ICMEH.2006.252527, **INSPEC Indexed**
33. M. M. Balas, V. E. Balas. *Another Possible Way towards the Intelligent Nano-Systems: the Fuzzy-Interpolative*. The 11th IPMU International Conference, July 2-7, 2006, Paris, France, pp. 2135-2141, Editions EDK, Paris, 2006, ISBN: 2-84254-112-X.
34. I. Filip, O. Prostean, V. E. Balas, G. Prostean. *Design and Simulation of a Neural Controller for Excitation Control of a Synchronous Generator*. Proceedings of the 6<sup>th</sup> International Conference on Recent Advances in Soft Computing – RASC 2006, Canterbury, 10-12 July, 2006, UK, Editor Konstantinos Sirlantzis, Department of Electronics, pp. 361-366, ISBN: 978-1-902671-43-7, 1-902671-43-0.
35. M. M. Balas, V. E. Balas, T. L. Dragomir. *On the Switching Controllers' Issue and Smooth Controller Switching by Phase Trajectory Qualitative Analysis*. Proceedings of the 6<sup>th</sup> International Conference on Recent Advances in Soft Computing – RASC 2006, Canterbury, 10-12 July, 2006, UK, Editor Konstantinos Sirlantzis, Department of Electronics, pp. 367-374, ISBN: 978-1-902671-43-7, 1-902671-43-0.
36. V. E. Balas, M. Costin, D. V. Balas-Timar. *Automatic Voice Emotional Evaluation*. Proceedings of the 6<sup>th</sup> International Conference on Recent Advances in Soft Computing – RASC 2006, Canterbury, 10-12 July, 2006, UK, Editor Konstantinos Sirlantzis, Department of Electronics, pp. 471-476, ISBN: 978-1-902671-43-7, 1-902671-43-0.
37. V. E. Balas, M. M. Balas. *Driver Assisting by Inverse Time to Collision*. WAC 2006, July 24-27, 2006, Budapest, Hungary, Indexed by IEE INSPEC IEEE CNF, IEEE Catalog Number: 06EX1486, ISBN 1-889335, **INSPEC Indexed**
38. V. E. Balas, M. Costin. *On Stability of Fuzzy Systems*. International Symposium Research and Education in Innovation Era, Section 3, Engineering Processes and Technology, Electrical, Arad, 16-18 November 2006, pag. 459-466, ISBN: 9978-973-752-110-1
39. V. E. Balas, D. Cosma. *Fuzzy Logic in Instrumentation*, International Symposium Research and Education in Innovation Era, Section 3, Engineering Processes and Technology, Electrical, Arad, 16-18 November 2006, pag. 445-458, ISBN: 9978-973-752-110-1
40. M. Costin, V. E. Balas. *Some important Speaker Recognition Clues*, International Symposium Research and Education in Innovation Era, Section 3, Engineering Processes and Technology, Electrical, Arad, 16-18 November 2006, pag. 467-488, ISBN: 9978-973-752-110-1
41. V. E. Balas, M. M. Balas. *Switching Adaptive Correctors for Fuzzy Fusion Self-Adapted Interpolative Controllers*. ISCIII'07 3rd International Symposium on Computational Intelligence and Intelligent Informatics,

Proceedings, March 28-30, 2007, Agadir, Morocco, pag. 67-72, IEEE Catalog Number: 07EX1756, ISBN: 1-4244-1157-2,

Library of Congress: 2007923135, Indexed by IEE INSPEC IEEE CNF, Digital Object Identifier: 10.1109/ISCIII.2007.367364, **INSPEC Indexed**

42. M. M. Balas, V. E. Balas. *Some Observations on Stability of Switching Adaptive Rule Based of Fuzzy Self-Adapted Interpolative Controllers*. ISCIII'07 3rd International Symposium on Computational Intelligence and Intelligent Informatics, Proceedings, March 28-30, 2007, Agadir, Morocco, pag. 63-66, IEEE Catalog Number: 07EX1756, ISBN: 1-4244-1157-2, Library of Congress: 2007923135, Indexed by IEE INSPEC IEEE CNF, Digital Object Identifier: 10.1109/ISCIII.2007.367364, **INSPEC Indexed**

43. M. Babescu, I. Filip, V. E. Balas, O. Prosteian, C. Vasar. *Considerations regarding the Control of a Mixed Genset based on the usage of Synchronous and Asynchronous Generator*. Proceedings of the 2nd IASME/WSEAS International Conference on ENERGY and ENVIRONMENT, Portoz (Portorose), Slovenia, May 15-17, 2007, pag.123-128, ISSN 1790-5095, ISBN 978-960-8457-69-0, **BDI Indexed**

44. N. Budisan, I. Filip, V. E. Balas, G. Prosteian, I. Szeidert. *Considerations regarding the Induction Generator's Compound Excitation*. Proceedings of the 2nd IASME/WSEAS International Conference on ENERGY and ENVIRONMENT, Portoz (Portorose), Slovenia, May 15-17, 2007, pag.140-146, ISSN 1790-5095, ISBN 978-960-8457-69-0, <http://www.wseas.us/e-library/conferences/2007portoroz/papers/555-094.pdf> , **BDI Indexed**

45. M. M. Balas, V. E. Balas, J. Duplaix. *Optimizing the Distance-Gap between Cars by Constant Time to Collision Planning*. 2007 IEEE International Symposium on Industrial Electronics, June 4-7, 2007, Vigo, Spain, pag. 109 Abstract Book, CD Proceedings, pag. 304-309, IEEE Catalog Number: 07TH8928C, ISBN: 1-4244-0755-9 Library of Congress: 2006935487, **INSPEC Indexed**

46. M. M. Balas, V. E. Balas. *World Knowledge for Control Applications*. INES 2007 Proceedings, 29 June-1 July, 2007, Budapest, Hungary, 11th International Conference on Intelligent Engineering Systems, pag. 225-228, IEEE Catalog Number: 07EX1751, ISBN: 1-4244-1147-5, Library of Congress: 2007922965, **INSPEC Indexed**

47. M. M. Balas, V. E. Balas, J. Duplaix, *On the Switching Controllers' Issue*, 2nd IEEE International Workshop on Soft Computing Applications, 21-23 August 2007, Gyula-Hungary, Oradea-Romania, pp. 103-108, IEEE Catalog Number: CFP0728D, ISBN 978-1-4244-1607-3, Library of Congress 2007905895, Digital Object Identifier 10.1109/SOFA.2007.4318313, Summary: The paper is discussing the dangerous instability that may occur in the switching controllers' case. This phenomenon cannot be treated by the conventional frequency analysis because of the non-null initial conditions. The qualitative phase trajectory..... Indexed by IEE INSPEC IEEE CNF, **INSPEC Indexed**

48. D. Balas-Timar, V. E. Balas, *Decision Making in Human Resources Selection Methodology*, 2nd IEEE International Workshop on Soft Computing Applications, 21-23 August 2007, Gyula-Hungary, Oradea-Romania, pp. 123-127, IEEE Catalog Number: CFP0728D, ISBN 978-1-4244-1607-3, Library of Congress 2007905895, Digital Object Identifier 10.1109/SOFA.2007.4318316, Indexed by IEE INSPEC IEEE CNF, **INSPEC Indexed**

49. V. E. Balas, M. M. Balas, *Postmodernism and Control Engineering*, Martin Štepička, Vilém Novák, Ulrich Bodenhofer (eds.): [New Dimensions in Fuzzy Logic and Related Technologies. Proceedings of the 5th EUSFLAT Conference, Ostrava, Czech Republic, September 11-14, 2007](http://www.eusflat.org/publications/proceedings/EUSFLAT_2007/papers/Balas_and_Balas_(300).pdf). New Dimensions in Fuzzy Logic and Related Technologies Proceedings of the 5th EUSFLAT Conference (European Society for Fuzzy Logic and Technology), Volume I, Ostrava, Czech Republic, September 11-14, 2007, p. 425-428, ISBN: 978-80-7368-386-3, Publisher: University of Ostrava, [http://www.eusflat.org/publications/proceedings/EUSFLAT\\_2007/papers/Balas\\_and\\_Balas\\_\(300\).pdf](http://www.eusflat.org/publications/proceedings/EUSFLAT_2007/papers/Balas_and_Balas_(300).pdf) **DPLB (Computer Science Bibliography) Indexed**

50. M. M. Balas, V. E. Balas, *A Simple Model of the Air Conditioning Installation of a Compartmented Railway Coach*, ICCC 2007, Proceedings, 5th IEEE International Conference on Computational Cybernetics, Gammart, Tunisia, October 19-21, 2007, pp. 271-274, IEEE Catalog Number: 07EX1750C, ISBN: 1-4244-1146-7, Library of Congress: 2007922966, **INSPEC Indexed**

51. M. M. Balas, V. E. Balas, *Modeling Passive Greenhouses. The Sun's Influence*, INES 2008, 12th IEEE International Conference on Intelligent Engineering Systems, February 25-29, Miami, Florida, USA, pp.71-75, IEEE Catalog Number: CFP08IES-CDR, ISBN: 978-1-4244-2083-4, Library of Congress: 2008900450, **INSPEC Indexed**

52. V. E. Balas, M. M. Balas, M.V. Putin-Racovita, *Passive Greenhouses and Ecological Reconstruction*, INES 2008, 12th IEEE International Conference on Intelligent Engineering Systems, February 25-29, Miami, Florida, USA, pp.77-81, IEEE Catalog Number: CFP08IES-CDR, ISBN: 978-1-4244-2083-4, Library of Congress: 2008900450, **INSPEC Indexed**

53. Dana Balas-Timar, V. E. Balas. *Fuzzy Tailored Test*, Proceedings of the 19<sup>th</sup> Midwest Artificial Intelligence and Cognitive Science Conference, MAICS, April 12-13 2008, Cincinnati, USA, pp. 150-155.

54. V. E. Balas. *Knowledge Engineering and Practical Applications at "Aurel Vlaicu" University of Arad*, Book of Abstracts, VIPSI – 2008 Opatija, Croatia, April 3-6, 2008, International Conferences on Advances in the Internet, Processing, Systems and Interdisciplinarity Research, ISBN:86-7466-117-3, pag. 18

55. V. E. Balas, M. M. Balas. *Assisting the Drivers by Means of the Constant Time to Collision Criterion*, 12th International Conference IPMU 08, Information Processing and Management of Uncertainty in Knowledge-Based Systems, June 22-27, 2008, Malaga, Spain, pp. 946-951, L. Magdalena, M. Ojeda-Aciego, J.L. Verdegay (eds), ISBN: 978-84-612-3061-7, Dep.Legal: MA-500-2008

56. M. M. Balas, V. E. Balas. *Smart Control for Passive Greenhouses*, 12th International Conference IPMU 08, Information Processing and Management of Uncertainty in Knowledge-Based Systems, June 22-27, 2008, Malaga, Spain, pp. 826-831, L. Magdalena, M. Ojeda-Aciego, J.L. Verdegay (eds), ISBN: 978-84-612-3061-7, Dep.Legal: MA-500-2008

57. M. Buzera, V. E. Balas, C. Stefan. *New Techniques of Products Analysis on the Basis of Colour and Shape*, 5th European Conference on Intelligent Systems and Technologies, ECIT 2008, 10-12 July, 2008, Iasi, Romania, CD - ISBN 9789737304971

58. M. M. Balas, V. E. Balas. *Fuzzy-Interpolative Control for Passive Greenhouses*, 5th European Conference on Intelligent Systems and Technologies, ECIT 2008, 10-12 July, 2008, Iasi, Romania, CD - ISBN 9789737304971

59. D. Balas-Timar, V. E. Balas. *Ability Estimation and Emotional Feed-back in Fuzzy Tailored Tests*, 5th European Conference on Intelligent Systems and Technologies, ECIT 2008, 10-12 July, 2008, Iasi, Romania, CD - ISBN 9789737304971

60. V. E. Balas, M. M. Balas. *The Educational Aspect of the Fuzzy-Interpolative Systems*, 7th International Conference on Global Research and Education in New Methods in Education, Inter-academia, 15-18 September, 2008, Pecs, Hungary, ISBN 978-963-420-963-8, pag. 31-34.

61. V. E. Balas, A. V. Stoica, A. L. Rugea. *Automatic Library Assistant*, Distance Learning, Multimedia and Video Technologies, Proceedings of the 8th WSEAS International Conference on MULTIMEDIA, INTERNET & VIDEO TECHNOLOGIES (MIV '08) & Proceedings of the 8th WSEAS International Conference on DISTANCE LEARNING and WEB ENGINEERING (DIWEB '08), ISSN: 1790-5109, ISBN: 978-960-474-005-5 Santander, Cantabria, Spain, September 23-25, 2008, pag. 185-190,

[http://www.worldses.org/books/2008/spain/distance\\_learning\\_multimedia\\_and\\_video\\_technologies.pdf](http://www.worldses.org/books/2008/spain/distance_learning_multimedia_and_video_technologies.pdf) , **BDI Indexed**

62. V. E. Balas. *The traffic Control by Constant Time to Collision Platoons*, 11th Mini Conference on Vehicle System Dynamics, Identification and Anomalies, VSDIA, 11-12 November 2008, Budapest University of Technology and Economics, Hungary, (to appear), **BDI Indexed**

63. V. E. Balas, M. M. Balas. *Modeling the Longitudinal Motion of an Aircraft*, Proceedings of the International Symposium Research and Education in Innovation Era, 2nd Edition, November 20-21, 2008, Arad, Romania, Engineering Sciences, pag. 385-391, ISSN 2065 2569.

64. M. M. Balas, V. E. Balas. *Applying the Constant Time to Collision Criterion in Swarm Systems*, Proceedings of the International Symposium Research and Education in Innovation Era, 2nd Edition, November 20-21, 2008, Arad, Romania, Engineering Sciences, pag. 392-401, ISSN 2065 2569.

65. V.E Balas, *Fuzzy Techniques and Internal Models for Sensors*, Recent Advances in Fuzzy Systems, Proceedings of the 10th WSEAS International Conference on Fuzzy Systems (FS '09), Prague, Czech Republic, March 23-25, 2009, pag.13-17, ISBN: 978-960-474-066-6, ISSN: 1790-5109, **BDI Indexed**

66. M. M. Balas, V. E. Balas, N. E. Mastorakis, *The Fuzzy-Interpolative Adaptive Controllers*, Recent Advances in Fuzzy Systems, Proceedings of the 10th WSEAS International Conference on Fuzzy Systems (FS '09), Prague, Czech Republic, March 23-25, **2009**, pag.18-21, ISBN: 978-960-474-066-6, ISSN: 1790-5109, **BDI Indexed**

67. M. Buzera, V. E. Balas, G. Proştean, N. Mastorakis, *Non destructive techniques of automatic shape classification of vegetal products*, Recent Advances in Neural Networks, Proceedings of the 10th WSEAS International Conference on Neural Networks (ICAI '09), Prague, Czech Republic, March 23-25, 2009, pag.18-21, ISBN: 978-960-474-064-2, ISSN: 1790-5117, **BDI Indexed**

68. O. Olaru, M. C. Popescu, V. E. Balas, *A Study of Oscillations for Signal Stabilization of Nonlinear System*, Recent Advances in Automation & Information, Proceedings of the 10th WSEAS International Conference on Automation & Information (NN '09), Prague, Czech Republic, March 23-25, **2009**, pag.184-187, ISBN: 978-960-474-065-9, ISSN: 1790-5109, **BDI Indexed**
69. Navid Noroozi, Mehdi Roopaei, Valentina Emilia Balas, Tsung-Chih Lin, *Observer-Based Adaptive Variable Structure Control and Synchronization of Unknown Chaotic Systems*, 5<sup>th</sup> International Symposium on Applied Computational Intelligence and Informatics, SACI 2009, May 28-29, 2009, Timisoara, Romania, pag. 71-76, ISBN: 978-1-4244-4478-6, IEEE Catalog Number CFP0945C-CDR, Library of Congress 2009903350, Digital Object Identifier 10.1109/SACI.2009.5136215 **BDI Indexed, INSPEC, IEEE Xplore.**
70. I. Szeidert, O. Prostean, N. Budisan, I. Filip, V.E. Balas, G. Prostean, *Viewpoint on Wind Energy Usage in Romania- Banat Region*, Proceedings of the WSEAS International Conference, 11<sup>th</sup> WSEAS International Conference on Sustainability in Science Engineering (SSE '09), Timisoara, Romania, May 27-29, 2009, pag. 17-21, ISSN: 1790-2769, ISBN: 978-960-474-080-2, **BDI Indexed**
71. M. C. Popescu, V. E. Balas, G. Manolea, N. Mastorakis, *Regional Null Controllability for Degenerate Heat Equations*, Proceedings of the WSEAS International Conference, 11<sup>th</sup> WSEAS International Conference on Sustainability in Science Engineering (SSE '09), Timisoara, Romania, May 27-29, 2009, pag. 28-31, ISSN: 1790-2769, ISBN: 978-960-474-080-2, **BDI Indexed**
72. M. C. Popescu, V. E. Balas, O. Olaru, N. Mastorakis, *The Backpropagation Algorithm Functions for the Multilayer Perceptron*, Proceedings of the WSEAS International Conference, 11<sup>th</sup> WSEAS International Conference on Sustainability in Science Engineering (SSE '09), Timisoara, Romania, May 27-29, 2009, pag. 32-37, ISSN: 1790-2769, ISBN: 978-960-474-080-2, **BDI Indexed**
73. Marius M. Balas, Valentina E. Balas, *A Sustainable Alimentation System for Our Future: The Passive Greenhouse*, 3rd International Conference on COMPUTATIONAL INTELLIGENCE (CI'09), SESSION: COMPUTATION INTELLIGENCE APPLICATION, Tbilisi, Georgia, June 26-28, 2009, [http://sciencerd.tsu.ge/Conferences\\_%20Program.pdf](http://sciencerd.tsu.ge/Conferences_%20Program.pdf)
74. Mehdi Roopaei, Valentina Emilia Balas, *Adaptive Gain Sliding Mode Control in Uncertain MIMO Systems*, 3<sup>rd</sup> International Workshop on Soft Computing Applications, SOFA2009, 29 July – 1 August 2009, Szeged (Hungary) – Arad (Romania), IEEE Catalog Number CFP0928D-PRT, ISBN 978-1-4244-5054-1, Library of Congress: 2009907136, pag. 75-79.
75. V. E. Bălaș, V. Ceregan, A. Codrean, T. L. Dragomir, *Extension of a Control Structure with PSAIC*, 3<sup>rd</sup> International Workshop on Soft Computing Applications, SOFA2009, 29 July – 1 August 2009, Szeged (Hungary) – Arad (Romania), IEEE Catalog Number CFP0928D-PRT, ISBN 978-1-4244-5054-1, Library of Congress: 2009907136, pag. 81-84.
76. Marius-Constantin Popescu, Valentina E. Balas, Liliana Popescu, *Heating Monitored and Optimal Control of Electric Drives*, 3<sup>rd</sup> International Workshop on Soft Computing Applications, SOFA2009, 29 July – 1 August 2009, Szeged (Hungary) – Arad (Romania), IEEE Catalog Number CFP0928D-PRT, ISBN 978-1-4244-5054-1, Library of Congress: 2009907136, pag. 149-154
77. Marius-Constantin Popescu, Valentina E. Balas, Liliana Popescu, *System Decentralized for Tracking Control and Data Acquisition Using for Hydroelectric Central*, 3<sup>rd</sup> International Workshop on Soft Computing Applications, SOFA2009, 29 July – 1 August 2009, Szeged (Hungary) – Arad (Romania), IEEE Catalog Number CFP0928D-PRT, ISBN 978-1-4244-5054-1, Library of Congress: 2009907136, pag. 155-160.
78. Dana Balas-Timar, Valentina E. Balas, *Computer adaptive testing – classic versus fuzzy*, VIth INTERNATIONAL CONFERENCE OF APPLIED PSYCHOLOGY, “EUΨRO” 08 – 11.X. 2009 TIMIȘOARA – ROMÂNIA, APPLIED PSYCHOLOGY, THE PERSON AND THE TECHNOLOGIES OF THE XXIst CENTURY, Abstracts volume, pag. 44,
79. Dana V. Balas-Timar, Valentina E. Balas, *Ability Estimation in CAT with Fuzzy Logic*, ISCI'09 Proceedings, 4<sup>th</sup> International Symposium on Computational Intelligence and Intelligent Informatics, 21-25 October 2009, Egypt, pag. 55-62, IEEE Catalog Number: CFP0936C-CDR, ISBN: 978-1-4244-5382-5, Library of Congress: 2009909581.
80. Marius C. Popescu, Valentina E. Balas, Sanda V. Musca, Dragos Cosma, *Modeling the Phenomenon of Refreshing Air Inside the Spaces of the Fungi's Culture*, ISCI'09 Proceedings, 4<sup>th</sup> International Symposium on Computational Intelligence and Intelligent Informatics, 21-25 October 2009, Egypt, pag. 85-92, IEEE Catalog Number: CFP0936C-CDR, ISBN: 978-1-4244-5382-5, Library of Congress: 2009909581.



81. Marius C. Popescu, Valentina E. Balas, Marius M. Balas, Onisifor Olaru, *Algorithm for Virtual Reality*, ISCIH'09 Proceedings, 4<sup>th</sup> International Symposium on Computational Intelligence and Intelligent Informatics, 21-25 October 2009, Egypt, pag. 125-128, IEEE Catalog Number: CFP0936C-CDR, ISBN: 978-1-4244-5382-5, Library of Congress: 2009909581.
82. Dana Balas-Timar, Valentina E. Balas, *Computer adaptive testing – classic versus fuzzy*, VIth INTERNATIONAL CONFERENCE OF APPLIED PSYCHOLOGY, “EUΨRO” 08 – 11.X. 2009 TIMIȘOARA – ROMÂNIA, APPLIED PSYCHOLOGY, THE PERSON AND THE TECHNOLOGIES OF THE XXIst CENTURY, volumul cu Rezumate, pag. 44, <http://www.eupsiro2009.org/>
83. Dana V. Balas-Timar, Valentina E. Balas, *Ability Estimation in CAT with Fuzzy Logic*, ISCIH'09 Proceedings, 4<sup>th</sup> International Symposium on Computational Intelligence and Intelligent Informatics, 21-25 October 2009, Egypt, pag. 55-62, IEEE Catalog Number: CFP0936C-CDR, ISBN: 978-1-4244-5382-5, Library of Congress: 2009909581, <http://www.trivent.hu/ISCIH2009/index.php?p=invitation> INSPEC, SCOPUS Indexed
84. Marius C. Popescu, Valentina E. Balas, Sanda V. Musca, Dragos Cosma, *Modeling the Phenomenon of Refreshing Air Inside the Spaces of the Fungi's Culture*, ISCIH'09 Proceedings, 4<sup>th</sup> International Symposium on Computational Intelligence and Intelligent Informatics, 21-25 October 2009, Egypt, pag. 85-92, IEEE Catalog Number: CFP0936C-CDR, ISBN: 978-1-4244-5382-5, Library of Congress: 2009909581, <http://www.trivent.hu/ISCIH2009/index.php?p=invitation> INSPEC, SCOPUS Indexed
85. Marius C. Popescu, Valentina E. Balas, Marius M. Balas, Onisifor Olaru, *Algorithm for Virtual Reality*, ISCIH'09 Proceedings, 4<sup>th</sup> International Symposium on Computational Intelligence and Intelligent Informatics, 21-25 October 2009, Egypt, pag. 125-128, IEEE Catalog Number: CFP0936C-CDR, ISBN: 978-1-4244-5382-5, Library of Congress: 2009909581, <http://www.trivent.hu/ISCIH2009/index.php?p=invitation> INSPEC, SCOPUS Indexed
86. Onisifor Olaru, Marius Buzera, Valentina E. Balas, *New Algorithms for color Classification with Machine Vision Devices*, ENEC 2010, The 2<sup>nd</sup> International Symposium 2010, Education in Nowadays European Context, Anale, pag. 214-217, 17-18 Aprilie 2010, Tg. Jiu, Gorj, Romania, ISBN 978-606-510-870-7, Editura Universitaria, Craiova.
87. Mircea Grigoriu, Marius-Constantin Popescu, Valentina Balas, *Optimal Flow Control of a Tank*, Proceedings of the International Conference on ENERGY and ENVIRONMENT TECHNOLOGIES and EQUIPMENT, European Computing Conference, ECC 2010, pag. 129-134, Bucharest, 20-22 April, 2010, ISBN: 978-960-474-181-6, ISSN: 1790-5095, <http://www.wseas.us/e-library/conferences/2010/Bucharest/EEETE/EEETE-20.pdf>
88. Mircea Grigoriu, Marius-Constantin Popescu, Valentina Balas, Doina Cornelia Dinu, *Control Systems for Solar Energy Conversion*, Proceedings of the International Conference on ENERGY and ENVIRONMENT TECHNOLOGIES and EQUIPMENT, European Computing Conference, ECC 2010, European Computing Conference, pag. 123-128, Bucharest, 20-22 April, 2010, ISBN: 978-960-474-181-6, ISSN: 1790-5095, <http://www.wseas.us/e-library/conferences/2010/Bucharest/EEETE/EEETE-19.pdf>
89. Nicolaie Popescu-Bodorin, Valentina E. Balas, *From Cognitive Binary Logic to Cognitive Intelligent Agents*, IEEE 14<sup>th</sup> International Conference on Intelligent Engineering Systems, INES 2010, pag. 337-340, May 5-7, 2010, Las Palmas of Gran Canaria, Spain, ISBN: 978-1-4244-7651-0, IEEE Catalog Number: CFP10IES-CDR.
90. Tsung-Chih Lin, Shuo-Wen Chang, Tun-Yuan Lee, Valentina Emilia Balas, Mehdi Roopaei, *A Novel Takagi-Sugeno-Based Robust Adaptive Fuzzy Synchronization of Discrete-Time Chaotic Systems*, IEEE International Joint Conference on Computational Cybernetics and Technical Informatics, ICC-CONTI 2010, pag. 61-66, May 27-29, 2010, Timisoara, Romania, ISBN: 978-1-4244-7431-8, IEEE Catalog Number: CFP10575-CDR.
91. Nicolaie Popescu-Bodorin, Valentina E. Balas, *AI Challenges in Iris Recognition. Processing Tools for Bath Iris Image Database*. Recent Advances in Automation & Information, Proc. WSEAS 11<sup>th</sup> Int. Conf. on Automation & Information (ICAI'10) June 13-15, Iasi, Romania, pp. 116-121, ISSN: 1790-5117, ISBN 978-960-474-193-9, WSEAS Press.
92. Marius M. Balas, Valentina E. Balas, *Adaptive Rule-Based Reasoning by Qualitative Analysis*, 13 International Conference on Information Processing and Management of Uncertainty, IPMU 2010, Dortmund, Germany, June 28- July 2, Proceedings, Part I, CCIS 80, pp. 553-560, E. Hullermeier, R. Kruse, F. Hoffman (Eds.), Springer-Verlag, Berlin –Heidelberg 2010.
93. Nicolae Popescu-Bodorin, Valentina E. Balas, *Comparing Haar-Hilbert and Log-Gabor Based Iris Encoders*

- on *Bath Iris Image Database*, 4<sup>th</sup> International Workshop on Soft Computing Applications, SOFA 2010, pag. 191-196, 15-17 July 2010, Arad, Romania, ISBN: 978-1-4244-7982-5, IEEE Catalog Number: CFP1028D-PRT.
94. Ahmad T. Azar, Valentina E. Balas, Teodora Olariu, *Artificial Neural Network for Accurate Prediction of Post-Dialysis Urea Rebound*, 4<sup>th</sup> International Workshop on Soft Computing Applications, SOFA 2010, pag. 165-170, 15-17 July 2010, Arad, Romania, ISBN: 978-1-4244-7982-5, IEEE Catalog Number: CFP1028D-PRT.
94. Tsung-Chih Lin, Kang-Wei Hsu, Valentina E. Balas, Mehdi Roopaei, *Stable Adaptive Synchronization of a Class of Uncertain Time-Delay Chaotic Systems via  $H_\infty$  type-2 FNN Control*, 4<sup>th</sup> International Workshop on Soft Computing Applications, SOFA 2010, pag. 237-242, 15-17 July 2010, Arad, Romania, ISBN: 978-1-4244-7982-5, IEEE Catalog Number: CFP1028D-PRT.
95. Tsung-Chih Lin, Ming-Che Chen, Valentina E. Balas, Mehdi Roopaei, Chien-Ming Lee, *Synchronization of Uncertain Multivariable Chaotic Systems Using Adaptive Interval Type-2 Fuzzy Sliding Mode Control*, 4<sup>th</sup> International Workshop on Soft Computing Applications, SOFA 2010, pag. 249-254, 15-17 July 2010, Arad, Romania, ISBN: 978-1-4244-7982-5, IEEE Catalog Number: CFP1028D-PRT.
96. Marius M. Balas, Valentina E. Balas, *Java Development Interface for Fuzzy-Interpolative Systems*, ECIT 2010, 6<sup>th</sup> European Conference on Intelligent Systems and Technologies, October 7-9, 2010, Iasi Romania, CD, ISSN 2069-036X
97. Valentina E. Balas, Marius M. Balas, *Fuzzy Control for Climate Controlled Spaces*, ECIT 2010, 6<sup>th</sup> European Conference on Intelligent Systems and Technologies, October 7-9, 2010, Iasi Romania, CD, ISSN 2069-036X
98. Valentina E. Balas, Radu Costineanu, Srgian Danity, Valeriu Ille, Cristian Marton, Bela A. Sajgo, Csik Zsolt, *On Watery And Aquifers*, **ISREIE 2010**, International Symposium Research and Education in Innovation Era, 3rd Edition, Arad, Romania, November 11-12, 2010
99. Ahmad. T. Azar, Valentina E. Balas, *Artificial Neural Network for Electromyografic Classification*, ISREIE 2010, International Symposium Research and Education in Innovation Era, 3rd Edition, Arad, Romania, November 11-12, 2010
100. Nicolae Popescu-Bodorin, Valentina E. Balas, *Exploratory simulation of an Intelligent Iris Verifier Distributed System*, SACI 2011 - 6th IEEE International Symposium on Applied Computational Intelligence and Informatics, May 19-21, 2011 in Timisora, Romania, Proceedings, art. no. 5873010, ISBN 978-1-4244-9107-0, Catalog Number CFP1145C-CDR, pp. 259-262, **SCOPUS indexed**, <http://conf.uni-obuda.hu/saci2011/index.html>
102. Valentina E. Balas, Marius M. Balas, *Fuzzy-Interpolative Linguistic Controllers for Custom HDR Photo cameras*, Proceedings of the World Conference on Soft Computing, San Francisco, May 23-26, 2011, Edited by Ronald Yager, Marek reformat, Shahnaz N. Shabazova, Sergei Ovchinnikov, <http://www.ece.ualberta.ca/~reform/WConSC/>
103. Tsung-Chih Lin, Tun-Yuan Lee, Valentina E. Balas, *Sincrnization of Uncertain Order Chaotic Systems via Adaptive Interval Type-2 Fuzzy Sliding Mode Control*, 2011 IEEE International Confernece on Fuzzy Systems, FUZZ-IEEE 2011, June 27-30, 2011, Taipei, Taiwan, Proceedings ISBN 978-1-4244-7316-8/11, pag. 2882-2889, <http://fuzzieee2011.nutn.edu.tw/index.htm>
104. Tsung-Chih Lin, Chia-Hao Kuo, Valentina E. Balas, *Fractional Order Chaotic System Tracking Design Base don Adaptive Hybrid Intelligent Control*, 2011 IEEE International Confernece on Fuzzy Systems, FUZZ-IEEE 2011, June 27-30, 2011, Taipei, Taiwan, Proceedings ISBN 978-1-4244-7316-8/11, pag. 2890-2896, <http://fuzzieee2011.nutn.edu.tw/index.htm>
105. N. Popescu-Bodorin, V.E. Balas, I.M. Motoc, *Iris Codes Classification Using Discriminant and Witness Directions*, 5<sup>th</sup> International Symposium on Computational Intelligence and Intelligent Informatics, ISCIII 2011, September 15-17, 2011, Floriana, Malta, pag. 143-148, ISBN 978-1-4577-1859-5, IEEE Catalog Number: CFP 1136C-CDR, <http://www.trivent.hu/ISCIII2011/index.php?p=invitation>
106. N. Popescu-Bodorin, V.E. Balas, I.M. Motoc, *8-Valent Fuzzy Logic for Iris Recognition and Biometry*, 5<sup>th</sup> International Symposium on Computational Intelligence and Intelligent Informatics, ISCIII 2011, September 15-17, 2011, Floriana, Malta, pag. 149-154, ISBN 978-1-4577-1859-5, IEEE Catalog Number: CFP 1136C-CDR, <http://www.trivent.hu/ISCIII2011/index.php?p=invitation>
107. Ahmed Azar, Valentina E. Balas, Teodora Olariu, *Classification of EEG-Based Brain-Computer Interfaces*, International Workshop on Next Generation Intelligent Mediacal Decision Support Systems, **MedDecSup 2011**,



18-19 September, 2011, Tg. Mures, Romania, <http://ncscs.upm.ro/index.html>

108. Tsung-Chih Lin, Chia-Hao Kuo, Valentina Emilia Balas, *Real-Time Recurrent Interval Type-2 Fuzzy-Neural System Identification Using Uncertainty Bounds*, FUZZ-IEEE 2012, June 10-15, 2012, Brisbane, Australia, pag. 2087-2094.

109. Ahmed Azar, Valentina E. Balas, *Classification and detection of diabetic retinopathy* 2<sup>nd</sup> International Workshop on Next Generation Intelligent Medical Decision Support Systems'2012, MedDecSup 2012, July 10-11, 2012, Sofia, Bulgaria, <http://rcvt.tu-sofia.bg/meddecsup2012/Program%20MedDecSup%272012.pdf>

108. Tsung-Chih Lin, Chia-Hao Kuo, **Valentina Emilia Balas**, *Real-Time Recurrent Interval Type-2 Fuzzy-Neural System Identification Using Uncertainty Bounds*, **FUZZ-IEEE 2012**, June 10-15, 2012, Brisbane, Australia, pag. 2087-2094.

109. Tsung-Chih Lin, Chung-Ching Wang, I-Shin Liu, Valentina E. Bălaș, *Identifier Based Interval Type-2 Fuzzy Tracking Control*, The 2013 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2013), July, 7-10, 2013, Hyderabad, India, <http://www.isical.ac.in/~fuzzieee2013/>.

110. Dana Balas-Timar, Valentina E. Balas, *Standardized Professional Counseling Techniques in POSDRU Project Implementation*, ICAP 2013, International Conference on Applied Psychology, the 5<sup>th</sup> edition, 24-27 October, Iasi Romania, Abstracts, Paper 5, pag. 11-12, <http://www.psih.uaic.ro/~icap2013/>

111. Rajeeb Dey, Valentina E. Balas, T.C. Lin and G. Ray, *Improved Delay-range-dependent Stability Analysis of a T-S Fuzzy System with Time Varying Delay*, CINTI 2013, 14<sup>th</sup> IEEE International Symposium on Computational Intelligence and Informatics, 19-21 November 2013, Budapest, Hungary, pag. 173-178, <http://conf.uni-obuda.hu/cinti2013/>

112. Ting-Ching Chu, Tsung-Chih Lin and Valentina Emilia Balas, *Observer-based indirect adaptive supervisory control for unknown time delay system*, International Conference on Fuzzy Systems 2014, FUZZ-IEEE 2014, 1-11 July, Beijing, China, ISBN 978-1-4799-2073-0, pag. 1883-1890, DOI [10.1109/FUZZ-IEEE.2014.6891631](https://doi.org/10.1109/FUZZ-IEEE.2014.6891631)

113. Valentina E. Balas, Soumya Banerjee, *Seeded Text Auto-Summarization: An Experience with Simplified Statistical and Fuzzy Ranking Algorithm*, 15<sup>th</sup> IEEE International Symposium on Computational Intelligence and Informatics, CINTI 2014, November 19-21, 2014 in Budapest, Hungary, ISBN 978-1-4799-5338-7/14, pag. 143-146

114. Manash Sarkar, Soumya Banerjee and Valentina E. Balas, *Configuring Trust Model for Cloud Computing: Decision Exploration Using Fuzzy Reasoning*, INES 2015, IEEE 19<sup>th</sup> International Conference on Intelligent Engineering Systems • September 3–5, 2015, Bratislava, Slovakia, pag. 219-223.

115. D. Jude Hemanth, J. Anitha, Valentina Emilia Balas, *Performance Improved Hybrid Intelligent System for Medical Image Classification*, Proceedings of the 7<sup>th</sup> Balkan Conference in Informatics Conference Proceedings, 2-4 September 2015, Craiova, Romania, Article 8, ACM ISBN: 978-1-4503-3335-1, doi>[10.1145/2801081.2801095](https://doi.org/10.1145/2801081.2801095)

116. Tsung-Chih Lin, Chia-Hao Kuo, Tseng-Chuan Hung and E. Balas Valentina, *Adaptive Fuzzy Moving Sliding Mode Control of Unknown Multivariable Nonlinear Time Delay Systems*, FUZZ-IEEE 2015, IEEE International Conference on Fuzzy Systems, 2-5 August, 2015, Istanbul, Turkey

117. Umar Farooq, Jason Gu, Mohamed El-Hawary, **Valentina Balas** and Usman Asad, *Experimental Study of Optimal Takagi Sugeno Fuzzy Controller for Rotary Inverted Pendulum*, FUZZ-IEEE 2015, IEEE International Conference on Fuzzy Systems, 2-5 August, 2015, Istanbul, Turkey

118. Paper #1570194559 - *Enabling Technologies for Enterprise Wide Optimization*, Seshadhri Srinivasan, Valentina E. Balas, etc.... ICIIIS'2015, (Accepted).

119. K.Jagatheesan, B.Anand, Nilanjan Dey, Amira S. Ashour and **Valentina Emilia Balas**, *Proportional-Integral-Derivative (PID) Controller Equipped LFC of Multi-Area Interconnected Power System*, V International

Conference Industrial Engineering and Environmental Protection 2015 (IIZS 2015), Zrenjanin, Serbia; October 15-16, 2015, pag. 427-436, ISBN 978-86-7672-259-4

120. Taras Kotyk, Amira S. Ashour, Sayan Chakraborty, Nilanjan Dey and **Valentina E. Balas**, *Apoptosis Analysis in Classification Paradigm: A Neural Network based Approach*, Healthy World Conference 2015 - A Healthy World for a Happy Life, Kakinada (AP) India 5-7 September 2015, Pag. 17-22, <http://www.hwc.2015.org/share/PapersList%Final%29.zip>

121. Ram Kumar, F. A. Talukdar, Nilanjan Dey, Amira S. Ashour, V. Santhi, Valentina **E. Balas**, Fuqian Shi, *Histogram Thresholding in Image Segmentation: A Joint Level Set Method and Lattice Boltzmann Method based Approach*, 2015 International Conference on Information Technology and Intelligent Transportation Systems (ITITS 2015), 12-13 December 2015, Xi'an, China

122. Sirshendu Hore, Sankhadeep Chatterjee, V. Santi, Nilanjan Dey, Amira S. Ashour, **Valentina E. Balas**, Fuqian Shi, *Indian Sign Language Recognition using Optimized Neural Networks*, 2015 International Conference on Information Technology and Intelligent Transportation Systems (ITITS 2015), 12-13 December 2015, Xi'an, China

123. Rakesh kumar S, Ramkumar K, Seshadhri Srinivasan, **Valentina Emilia Balas**, Fuqian Shi, *Self-Calibration of Dead Reckoning Sensor for Skid-Steer Mobile Robot Localization using Neuro-Fuzzy Systems*, 2015 International Conference on Information Technology and Intelligent Transportation Systems (ITITS 2015), 12-13 December 2015, Xi'an, China

124. SMJ Mortazavi, Omid Jaber, Atefeh Zamani, SAR Mortazavi, **Valentina E. Balas**, Ali Soleimani, Ali Zamani, Masoud Haghani, *The Importance of Quantification of Data in Studies on the Health Effects of Exposure to Electromagnetic Fields Generated by Mobile Base Stations*, The Congress on Information Technology, Computational and Experimental Physics (CITCEP 2015), Kraków, Poland, 18-20 December 2015, Paper 22, pag 113-116

125. Marjan Kuchaki Rafsanjani, Hamideh Fatemidokht, **Valentina E. Balas**, *A modeling framework for Quality of Service in Mobile Ad hoc Networks*, The Congress on Information Technology, Computational and Experimental Physics (CITCEP 2015), Kraków, Poland, 18-20 December 2015, Paper 30, pag 154-158

126. Marzieh Najariyan, Mehran Mazandarani, **Valentina E. Balas**, *Modified Reimann-Liouville fuzzy fractional derivative*, The Congress on Information Technology, Computational and Experimental Physics (CITCEP 2015), Kraków, Poland, 18-20 December 2015, Paper 31, pag. 159-170

127. Marius M. Balas, **Valentina E. Balas**, *The Parallel Shift. A Fundamental Challenge for the Information Technology after 2008*, The Congress on Information Technology, Computational and Experimental Physics (CITCEP 2015), Kraków, Poland, 18-20 December 2015, Paper 47, pag. 242-246

128. K. Jagatheesan, B. Anand, Nilanjan Dey, Amira S. Ashour, Valentina E. Balas, *Conventional controller based AGC of multi-area Hydro-Thermal power systems*, 2016 International Conference on Computer Communication and Informatics (ICCCI -2016), Jan. 07 – 09, 2016, Coimbatore, INDIA, ISBN 978-1-4673-6680-9, IEEE Xplore, pag. 560-565

129. Jagatheesan Kaliannan, Anand B, Santhi V, Nilanjan Dey, Amira S. Ashour and Valentina Emilia Balas, *Dynamic Performance Analysis of AGC of Multi-Area Power System Considering Proportional-Integral-Derivative Controller with Different Cost Functions*, IEEE-ICEEOT-2016 conference which is organizing by DMI College of engineering, Chennai, Tamilnadu during 3<sup>rd</sup> to 5<sup>th</sup> March 2016.

130. Seshadhri Srinivasan, Daniel Grossman, Carmen Del Vecchio, Valentina E. Balas, Luigi Glielmo, *Enabling technologies for Enterprise Wide Optimization*, [2015 IEEE 10th International Conference on Industrial and Information Systems \(ICIIS\)](http://www.ieee-icis.org/), 17-20 December, 2015, University of Peradeniya, Akbar Bridge, Peradeniya, Sri Lanka, pag. 434-439, DOI: [10.1109/ICIINFS.2015.7399051](https://doi.org/10.1109/ICIINFS.2015.7399051)

131. K. Jagatheesan, B. Anand, Nilanjan Dey, Amira S. Ashour, Cornel Barna, Valentina E. Balas, *Automatic Generation Control of an Interconnected Multi-Area Reheat Thermal Power Systems with Conventional*

*Proportional-Integral Controller Considering various Performance Indices*, SACI 2016, May, 2016, Timisoara, Romania (Accepted).

132. Tsung-Chih Lin, Jian-Lin Yeh, Chia-Hao Kuo, Yu-Chen Lin and E. Balas Valentina, *Adaptive Fuzzy Sliding Mode Active Vibration Control for Rail Vehicle Pantograph*, IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2016) Vancouver, Canada, 24-29 July 2016, pag. 373-379, ISBN 978-1-5090-0626-7/16.

133. K. Jagatheesan, B. Anand, Nilanjan Dey, Amira S. Ashour, Cornel Barna, Valentina E. Balas, *Automatic Generation Control of an Interconnected Multi-Area Reheat Thermal Power Systems with Conventional Proportional-Integral Controller Considering various Performance Indices*, 11th IEEE International Symposium on Applied Computational Intelligence and Informatics, SACI 2016; Timisoara; Romania; 12 May 2016 through 14 May 2016; Category number CFP1645C-USB; Code 122690, May, 2016, Timisoara, Romania, pag. 289-294

134. Dana Balas-Timar, Valentina E. Balas, Marius M. Balas, Vijay Rao, *Fuzzy Scoring of Behavioral Interviews Based on Storytelling Approach*, The 6th World Conference on Soft Computing - WConSC 2016, Volume: dedicated to 50th Anniversary of Fuzzy Logic and Its Applications and 95th Birthday Anniversary of LOTFI A. ZADEH, Berkeley, 23-25 May 2016, paper 341

135. K. Jagatheesan, B. Anand, Nilanjan Dey, Amira S. Ashour, Valentina E. Balas, *Load Frequency Control of Hydro-Hydro System with Fuzzy Logic Controller Considering Non-Linearity*, WConSC 2016, Volume: dedicated to 50th Anniversary of Fuzzy Logic and Its Applications and 95th Birthday Anniversary of LOTFI A. ZADEH, Berkeley, 23-25 May 2016, paper 185

136. P. Raja Rajeswari, S. Viswanadha Raju, Amira S. Ashour, Nilanjan Dey and Valentina Emilia Balas, *Active Site Cavities Identification of Amyloid beta precursor protein: Alzheimer Disease Study*, IEEE 20<sup>th</sup> Jubilee International Conference on Intelligent Engineering Systems 2016, INES 2016, June 30-July 2, 2016, Budapest, Hungary, ISBN 978-1-5090-1216-9/16, pag. 319-323

### Projects (Selection)

**More than 25 projects for railway cars, devices and special machine tools**

### Experience in national and international programs:

Program/Project	Function	Period: from...to
Grant CNCSU cod 107, Polytechnic University of Bucharest	Collaborator	November 1999, University de Savoie, Annecy, France
Grant CNCSU cod 107, Polytechnic University of Bucharest	Collaborator	January 2001, , University de Savoie, Annecy, France
Grant CNCSIS - „Research fro implementation of fuzzy logic and neural network strategy based for fault detection and diagnosis with applications in the field of electric systems”	Collaborator with Politechnica University of Timisoara	2004-2005
Summer School “Soft Computing”, Arad-Moneasa 2003	Chief of program	8-- 15 July 2003
Summer School “Soft Computing”, Arad-Moneasa 2004	Chief of program	16 – 23 August 2004
Summer School “Soft Computing”, Arad-Moneasa 2005	Chief of program	21-29 July 2005
Summer School “Soft Computing”, Arad-Moneasa 2006	Chief of program	16-23 July 2006
Grant from Mitsubishi for PLC laboratory	Chief of project	May 2007
Travel grant from National Taiwan University of Science and Technology	Beneficiary	October 2007
Grant CNCSIS cod 203	Collaborator	March 2008
Grant PN II WE cod CNCSIS: 47 – Exploratory Workshop	Collaborator	May 2008

International Project, Proiecte de Cooperare Bilaterală/Multilaterală, Programul: Capacități /Modul III, Cooperare Bilaterală între România și Bulgaria, Titlu: " <i>Electronic Health Records for the Next Generation Medical Decision Support in Romanian and Bulgarian National Healthcare Systems</i> ", Acronim: <i>NextGenElectroMedSupport</i>	Collaborator	2010-2012
International Program, The National Plan for Research Development and Innovation 2007-2013-PN II, Capacități /Modul III, Proiecte de Cooperare Bilaterală/Multilaterală, Cooperare Bilaterală între România și Slovacia  Title: " <b>Hybrid Medical Complex Systems</b> ", Acronim: ComplexMediSys CO: Universitatea Petru Maior din Targu Mures CO: Academia Slovaca de Stiinte, Bratislava Directori. Ladislav Hluchý (Slovakia) și Barna Iantovics (Romania) Member: Valentina E. Balas, ianuarie 2011-ianuarie 2013.	Collaborator	2011-2013

1. *Grant CNCSU Nr. 107 Devices, Circuits and Microsystems*, with Politechnica University of Bucharest, Cod: CNCSU, Nr. 107. V. E. Balas November 1999, visit and documentation for PhD thesis in the field of smart sensors, LAMII laboratory, Annecy, Franța. Valoare: 1000\$
2. Contract: Electro-Pneumatics Automation,, Cod: 511/ 08.05.2000. For: PLASTOR SA Oradea. *Collaborator*- V. E. Balas. 2.000.000 ROL.
3. *Grant CNCSU Nr. 107 Devices, Circuits and Microsystems*, with Politechnica University of Bucharest, Cod: CNCSU, Nr. 107. V. E. Balas November 2001, visit and documentation for PhD thesis in the field of smart sensors, LAMII laboratory, Annecy, Franța. Valoare: 1000\$
4. Contract: Study on the command systems. Cod: 352/7.02.2002. For: SC Industrial Tehnologic Robac Service SRL Lipova. *Collaborator* - V. E. Balas, : 770 EURO
5. Contract: Study of a measure method, Cod: 6/25.06. 2002. MOPEKA Timișoara, *Collaborator* - V. E. Balas. 300 EURO
6. *Organizing of International Summer School, „Soft Computing” – second edition, in English language, July 2003*, Responsible of project - V. E. Balas, 20.000.000 ROL.
7. *Grant CNCSIS „Research on strategies based on Fuzzy Neural Networks for the diagnosis of electric systems”*. July 2004. *Collaborator* - V. E. Balas, 800 EURO
8. *Organizing of International Summer School, „Soft Computing” – third edition, in English language, August 2004*, Responsible of project - V. E. Balas, 25.000.000 ROL.
9. Research grant with *SC CONTACT PLUS SRL Arad. „, Research on the development of new methods of knowledge fusion and applications”*. May 2005. „Aurel Vlaicu” University from Arad. Coordinator - V. E. Balas, 5.000.000 ROL.
10. Project to sponsor the International Workshop IEEE SOFA 2005, with MICROSOFT ROMANIA, August 2005, Coordinator - V. E. Balas, 1000 \$.
11. *Organizing of International Summer School, „Soft Computing” - four edition, in English language, July 2005*, Responsible of project - V. E. Balas, 80.000.000 ROL.
12. *Organizing of International Summer School, „Soft Computing” – five edition, in English language, August 2006*, Responsible of project - V. E. Balas, 30.000.000 ROL.
13. Research project: *A new device for Automation Laboratory - Mitsubishi PLC*, September 2007, „Aurel Vlaicu” University from din Arad, Coordinator - Valentina E. Balas, 1600 EURO

14. International Grant – *Travel grant* offered by National Taiwan University of Science and Technology Invited conference in Taipei, Taiwan, October 2007, Valentina E. Balas, 3000 EURO.
15. Research project Nr. 05/12.12.2007 with SC Ovidiu Nicola SRL „*Research for a rain sensor*”, „Aurel Vlaicu” University from Arad, Coordinator Valentina E. Balas , 1.000 Ron
16. Research project Nr. 2726/22.05.2008 with SC Ready SRL „*Research on some applications of artificial intelligence in techniques* ”, „Aurel Vlaicu” University from Arad, Coordinator - Valentina E. Balas, 1.000 Ron
17. Grant PN – II WE Cod CNCISIS: 47, ANCS Nr. 316 / 09.04.2008, Exploratory Workshop „From natural language to soft computing: new paradigms of artificial intelligence”, 30.000 Ron, *Collaborator* – Valentina E. Balas, [http://www.cncsis.ro/PNCIDI%20II/Idei/2008/W\\_Exploratorie/rezultate%20finale\\_aplicatii%20de%20pana%20la%2031%20martie%202008\\_pt%20site.pdf](http://www.cncsis.ro/PNCIDI%20II/Idei/2008/W_Exploratorie/rezultate%20finale_aplicatii%20de%20pana%20la%2031%20martie%202008_pt%20site.pdf)
18. Grant CNCISIS tip PREC ISI - ”Awarding the research results “ PN-II-RU-PRECISI-2008, March 2008, Cod CNCISIS 203, Chief of project - V. E. Balas, 2000 RON., position 169. [http://www.cncsis.ro/PNCIDI%20II/Resursa%20umana/Premiere/Mar08/REZULTATE\\_MARTIE\\_2008.pdf](http://www.cncsis.ro/PNCIDI%20II/Resursa%20umana/Premiere/Mar08/REZULTATE_MARTIE_2008.pdf)
19. International Project, Proiecte de Cooperare Bilaterală/Multilaterală, Programul: Capacități /Modul III, Cooperare Bilaterală între România și Bulgaria, Titlu: "*Electronic Health Records for the Next Generation Medical Decision Support in Romanian and Bulgarian National Healthcare Systems*", Acronim: *NextGenElectroMedSupport, 2010-2012*
20. Travel grant offered by Kaohsiung University, November 2010.
21. Travel grant offered by IEEE ICSEM 2010 conference, Yichang, China, November 2010
22. Scientific project GWT Technologies for web applications.
23. International Project “Hybrid Medical Complex Systems”, Romania-Slovakia.
24. Travel grant offered by Yamaguchi University, Japan, February 2011.
25. International Grant - *NSFAwards ENG-1047778 – Collaborative Research - Travel grant* oferit de Georgia Institute of Technology, School of Materials Science and Engineering, Atlanta, Georgia, USA, **WIRES 2011** (Women’s International Research Engineering Summit), 30 March – 2 April 2011.
26. Grant CNCISIS tip PREC ISI - ”Awarding the research results “ PN-II-RU-PRECISI-2011-3-1066, Adaptive fuzzy sliding mode control for synchronization of uncertain fractional order chaotic systems, CHAOS SOLITONS & FRACTALS [http://www.uefiscdi.gov.ro/userfiles/file/PREMIERE\\_ARTICOLE/articole%202011/evaluare/rezultate%20septembrie%20actualizata%2022%20decembrie.pdf](http://www.uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/articole%202011/evaluare/rezultate%20septembrie%20actualizata%2022%20decembrie.pdf), 2011, poz. 1043, pag 20/47
27. Travel grant offered by FEIT 2011 conference, Xi’an, China
28. Travel grant offered by South University of Australia, Adelaide to give two seminars to NUS and NTU in Singapore, January 11-15, 2012 – 1500 \$.
29. Grant CNCISIS tip PREC ISI - ”Awarding the research results “ PN-II-RU-PRECISI-2012-6-0698, Valentina E. Balas, Adaptive fuzzy  $H_\infty$  tracking design of SISO uncertain nonlinear fractional order time-delay systems, Nonlinear Dynamics , 2012, poz. 693, pag 37/46.
30. Travel grant offered by ICGEC 2012, ***The Sixth International Conference on Genetic and Evolutionary Computing***, to give a keynote lecture, 25-28 August 2012, Kitakyushu, Japan, Valentina E. Balas, 3000 EURO, [http://bit.kuas.edu.tw/~icgcec12/document/ICGEC-2012-Conference\\_Program.pdf](http://bit.kuas.edu.tw/~icgcec12/document/ICGEC-2012-Conference_Program.pdf)
31. Travel Grant - Conferința invitată – “*Soft Computing-Based Research in “Aurel Vlaicu” University of Arad Methodologies and Applications* “, The 2012 International Conference on Information Management, Innovation Management and Industrial Engineering, **ICII2012**, China, Sanya, 20-21 Oct. 2012, <http://www.iciii-conf.org/> <http://www.iciii-conf.org/keynotes.htm>
32. Travel Grant – Invited Conference - *New Advanced Computational Intelligence Paradigms. Methodologies and Applications* la **Workshop on Computational Intelligence in Honor of László T. Kóczy** on his 60<sup>th</sup> Birthday, November 22, 2012, Obuda University, Hungary.
33. Travel Grant – Invited Conference to AISC 2012 – Artificial Intelligence and Soft Computing, On the eve of 150th Birth anniversary of Pt. Madan Mohan Malviya Ji, founder of BHU, Varanasi and 25th year of Graduation

of Alumni of Department of Computer Engineering, IIT (BHU) Varanasi 7-9 Decembrie 2012, India, <http://iitbhu.ac.in/conferences/cse/aisc2012/> \

34. Travel Grant - Invited Conference “ *New Advanced Intelligence Paradigms*” la ICGITS 2013 – International Conference on Global Innovations in Technology and Sciences, 4-6 April 2013, Kottayam, India, <http://www.icgits.org/>

35. Travel Grant - Invited Conference “*Recent advances in soft computing applications*” – Valentina E. Balas, la College of Information Science and Engineering, Ritsumeikan University, Shiga, Japan, 11-14 Septembrie 2013.

36. Tutorial – “*Sisteme fuzzy*” – Valentina E. Balas, 16-18 Decembrie 2013, [G.H.Raisoni College of Engineering, Nagpur, India](http://www.ghrainsoni.ac.in/) [http://icetecollege.org/technical\\_program.html](http://icetecollege.org/technical_program.html)

37. Travel Grant - Invited Conference to 6th International Conference on Emerging Trends in Engineering & Technology, ICETET 2013, 16-18 December, Nagpur, India, Plenary Talk” *Advanced Computational Intelligence-Based Research*”, [http://icetecollege.org/technical\\_program.html](http://icetecollege.org/technical_program.html) <http://www.nagpurtoday.in/6th-international-conference-on-emerging-trends-in-engineering-technology-from-dec-16-18-2013/>

38. Travel Grant - Invited Conferenceto Kalasalingam University, Tamil Nadu, India, 29 ianuarie, 2014, “ *New Directions in Intelligent Systems: Reasoning and Applications*”- Valentina E. Balas.

30. Travel Grant - Invited Conference to Optimization in Engineering (OPTENG2014), 29-31<sup>st</sup> May, 2014, Bankura Unnayani Institute of Engineering, Bankura, West Bengal, India, *Advanced Soft Computing Methodologies and Practical Applications*- Valentina E. Balas.

31. Keynote Speaker and Session Chair to the 7th International Conference on Information Management, Innovation Management and Industrial Engineering (ICIII2014), 25-26 October 2014, Xi'an, CHINA, *Fuzzy Techniques in Image Processing* – Valentina Balas, <http://www.iciii-conf.org/keynotes.htm>

32. The 18<sup>th</sup> World Conference on Soft Computing and Industrial Applications, World Wide Web 1-12 December 2014, **WSC 18**, *Practical Applications of Soft Computing Techniques*, Valentina Balas, <http://www.fti.itb.ac.id/wsc18/keynote/>

33. IEEE 17th International Multi Topic Conference **INMIC 2014**, Bahria University, Karachi December 8-10, 2014, Pakistan, Special Guest Lecture - *Soft Computing Methods and Modeling*, [http://iee.inmic.org/index.php?option=com\\_content&view=article&id=96&Itemid=72](http://iee.inmic.org/index.php?option=com_content&view=article&id=96&Itemid=72)

34. International Grant - Plenary Panelist, Title: The future development and challenges of ICT, Valentina and Marius Balas to International Computer Symposium, December 12-14, 2014, Tunghai University, Taichung, Taiwan

35. Travel grant - Healthy World Conference 2015, 5-7 September 2015, Kakinada, India, Invited talk: *Electronics and its applications in Health Care*, <http://www.hwc2015.org/docs/HWC2015Brochure.pdf>

36. Travel grant - 2015 International Conference on Information Technology and Intelligent Transportation Systems (ITITS 2015), Xi'an, CHINA, December 12-13, 2015, Invited Speaker: *Automatic control of the traffic flow*, <http://itits.chd.edu.cn/cp.htm>

37. Travel grant - The International Conference on Computational intelligence and communication technology (ICICT-2016), 12-13 February, 2016 Ghaziabad, India , <http://cict.abes.ac.in/speaker.php>

38. Programul operațional Competitivitate 2014-2020, Axa prioritară 1 – Cercetare, Dezvoltare Tehnologică și Inovare (CDI) în sprijinul competitivității economice și dezvoltării afacerilor, Acțiunea 1.1.4 – Atragerea de personal cu competențe avansate din străinătate pentru consolidarea capacității de CDI, NOI NANO-ARHITECTURI DE INSPIRAȚIE BIOLOGICĂ DE TIP CELULAR — PENTRU CIRCUITE INTEGRATE - P\_37\_744 — Director Valeriu Beiu, Membru Valentina E. Balas, 9.338.177 lei –**April 2016**.

39. Proiect cu Centrul Municipal de Cultura Arad - CMCA, Contract nr. 4862/10.08.2016, 23.000 lei, Director de proiect – Valentina E. Balas, Proiect obținut prin competiție, <http://www.cmcarad.ro/wp-content/uploads/2016/03/centralizatorTINERET-2016-sesiunea-I-etapa-I1.pdf>



40. Premierea rezultatelor cercetarii in Universitatea Aurel Vlaicu Arad, martie 2016, 8 lucrari ISI - 2100 Euro.

41. Global Initiative for Academic Network (GIAN) programme approved by Union Cabinet in Higher Education aimed at tapping the talent pool of Scientist and Entrepreneur Internationally to encourage their engagement with the institutes of higher Education in India so as to augment the country's existing academic resources, accelerate the pace of quality reform, and elevate India's scientific and technological capacity to global excellence.

**IIT Kharagpur- the national coordinator**

**Funding of GIAN Activities:** A lump-sum amount of up to US\$ 8000 for 12 to 14 hours of contact and up to US\$ 12000 for 20 to 28 hours of contact can be paid to the foreign experts covering their travel and honorarium. Local hospitality will be arranged by the Host Institution. The duration (number of weeks/days) can be mutually decided by the host institution and the visiting faculty. The funding for the courses by the Institutes shall be partially supported through various schemes including but not limited to the Plan / Non-Plan Funds of the Institute, other designated funds from TEQIP, UGC, AICTE, DST, DSIR and other Government entities, sponsorships from various agencies like industry / foundations, fees from participants and other sources. **Câştigat - Mai 2016.**

<http://www.sici.org/programmes/details/global-initiative-for-academic-network-gian-programme/>

[http://www.nits.ac.in/gian/Brochure\\_Fuzzy\\_Interpolative\\_Controller\\_and\\_Appln\\_V\\_Balas.pdf](http://www.nits.ac.in/gian/Brochure_Fuzzy_Interpolative_Controller_and_Appln_V_Balas.pdf)

42. Premierea rezultatelor cercetarii UEFISCDI – articolul: *Multi-source information fusion model in rulebased Gaussian-shaped fuzzy control inference system incorporating Gaussian density function*, JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, cod PN-III-P1-1.1PRECISI-201611086, septembrie 2016, 2.000 lei, [http://uefiscdi.gov.ro/userfiles/file/PNCIDI%20III/P1\\_Resurse%20Umane/PRECISI\\_2016/PROCES%20EVALUARE/Rezultate/PRECISI\\_Rezultate%20eligibilitate\\_lista%202\\_25\\_08\\_2016.pdf](http://uefiscdi.gov.ro/userfiles/file/PNCIDI%20III/P1_Resurse%20Umane/PRECISI_2016/PROCES%20EVALUARE/Rezultate/PRECISI_Rezultate%20eligibilitate_lista%202_25_08_2016.pdf)

43. Premierea rezultatelor cercetarii UEFISCDI – articolul: *RAIRS2: A New Expert System for Diagnosing Tuberculosis with Real-World Tournament Selection Mechanism inside Artificial Immune Recognition System*, MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING, cod PN-III-P1-1.1PRECISI-201612209, octombrie 2016, 1.000 lei, [http://uefiscdi.gov.ro/userfiles/file/PNCIDI%20III/P1\\_Resurse%20Umane/PRECISI\\_2016/PROCES%20EVALUARE/Rezultate/PRECISI\\_2016\\_Rezultate%20eligibilitate\\_lista%204\\_28\\_10\\_2016.pdf](http://uefiscdi.gov.ro/userfiles/file/PNCIDI%20III/P1_Resurse%20Umane/PRECISI_2016/PROCES%20EVALUARE/Rezultate/PRECISI_2016_Rezultate%20eligibilitate_lista%204_28_10_2016.pdf)

44. Premierea rezultatelor cercetarii UEFISCDI – articolul: *Curvature manipulation of the spectrum of ValenceArousal-related fMRI dataset using Gaussian-shaped Fast Fourier Transform and its application to fuzzy KANSEI adjectives modeling*, NEUROCOMPUTING, cod PN-III-P1-1.1PRECISI-201612210, octombrie 2016, 1.000 lei, [http://uefiscdi.gov.ro/userfiles/file/PNCIDI%20III/P1\\_Resurse%20Umane/PRECISI\\_2016/PROCES%20EVALUARE/Rezultate/PRECISI\\_2016\\_Rezultate%20eligibilitate\\_lista%204\\_28\\_10\\_2016.pdf](http://uefiscdi.gov.ro/userfiles/file/PNCIDI%20III/P1_Resurse%20Umane/PRECISI_2016/PROCES%20EVALUARE/Rezultate/PRECISI_2016_Rezultate%20eligibilitate_lista%204_28_10_2016.pdf)

45. Contract de finantare UEFISCDI - 48/29.11.2016 - Subprogram 1.1 - Resurse Umane - Proiecte de mobilitate pentru cercetatori cu experienta din diaspora – cod depunere PN-III-P1-1.1-MCD2016-0108, Responsabil din partea UAV – Valentina E. Balas, Cercetator din diaspora – Dan Ralescu, Universitatea Cincinnati, USA, Valoare - 2100 EURO, proiect obtinut prin competitie nationala, suma finala 8041 lei.

46. Travel Grant to Shiraz Second International Congress M-Health SIM 2017, Shiraz, Iran, 22-23 February 2017, Key Note Speaker – Valentina E. Balas - M-Health Experiences, 3000 Euro, <http://mhealth.sums.ac.ir/en/page.php?rid=45&PHPSESSID=2bd821597ee5a02528c29c22e41cda66>

47. Travel Grant to the First International Conference on Data Management, Analytics and Innovation (ICDMAI – 2017), 24-26 February 2017, Pune, India, Invited Speaker – Valentina E. Balas, 3.000 Euro, [http://www.icdmai.com/Keynote\\_Speakers.htm](http://www.icdmai.com/Keynote_Speakers.htm)

48. Contract de finantare UEFISCDI - 48/29.11.2016 - Subprogram 1.1 - Resurse Umane - Proiecte de mobilitate pentru cercetatori cu experienta din diaspora – cod depunere PN-III-P1-1.1-MCD2016-0108, Responsabil din partea UAV – Valentina E. Balas, Cercetator din diaspora – Dan Ralescu, Universitatea Cincinnati, USA, Valoare - 2100 EURO, proiect obtinut prin competitie nationala, suma finala 8041 lei.

49. Proiect cu Centrul Municipal de Cultura Arad - CMCA, Programul Tineret, Învățământ și Recreative 2017, pozitia 20, 12.200 lei, Director de proiect – Valentina E. Balas, proiect obținut prin competiție (Lin – Pancreasul Artificial).
50. Proiect cu Ministerul Educatiei – Sesiunea Internationala de Comunicari Stiintifice Studentesti a XIX-a editie, 8.000 lei + 4.000 lei sponsorizare
51. Contract de cercetare stiintifica Nr. 9542/22.12.2017, intre Universitatea Aurel Vlaicu Arad si SC Conact Plus SRL Arad, valoare 40.000 lei, Proiect obținut prin competiție, Director de proiect – Valentina E. Balas
52. **Cod proiect:** PN-III-P1-1.1-MCD-2019-0133, **Contract nr.:** 23/24.09.2019 – mobilitate cercetatori din diaspora – Prof. Stefan Bratosin
53. Proiectul de mobilitati cu codul PN-III-P3-3.1-PM-RO-CN-2018, pozitia 10 din lista celor 29 de proiecte aprobate: <https://www.uefiscdi.ro/https://resource-84873://> - **PN3-P3-554/16.07.2018** - Competiția de cooperare bilaterală România – Republica Populară Chineză, directori de proiect Ona Geman, Universitatea Stefan Cel Mare din Suceava si Guojun Wang, Guangzhou University, Guangzhou, Guangdong, China, partener Universitatea Aurel Vlaicu din Arad cu director Valentina E. Balas avand titlul TEHNICI INTELIGENTE PENTRU APLICATII MEDICALE UTILIZAND RETELE DE SENZORI, acronym GUSV, Domeniul Tehnologii informationale si de comunicatii, **valoare 79.488 lei**, durata 2 ani.
54. Coordonator; Proiect cu Ministerul Educatiei pentru finantarea Sesiunii Stiintifice Studentesti 2017, 2018 si 2019 la Facultatea de Inginerie

#### **Professional affiliations:**

Member of The Romanian Association for Automation and Instrumentation from Romania – chief of the Arad section from 2006, <http://www.aair.org.ro/Structura.html>

Member of The Multidisciplinary Development Association - Timisoara.

Friend of ACRUPO (Association of Canadian Romanian University Professors, Ontario) Canada.

Member of The General Association of the Romanian Engineers, Vice-president a of the Arad section.

Member IEEE, Computational Intelligence Society since 2003, SMC – 2009, IE - 2009

Member IEEE, Communications Society since 2003

Member IEEE, Computer Society since 2007

Member in TC Emergent Technologies – IEEE CIS from 2009

Member in TC Soft Computing – IEEE SMC from 2009

Member IEEE IES from 2009

Senior member IEEE from 2007

Committee member of the WCI (Woman in Computational Intelligence)

<http://smile.ee.ncku.edu.tw/WCI/index.html> , 2006

Member in EUSFLAT (European Society for Fuzzy Logic and Technology) since 2007, <http://www.eusflat.org/>

Member ACM – Association for Computer Machinery, USA, from 2008

Member SIAM - from 2009

Member of NYAS from 2009

Member of SRAIT – Romanian Society of Automatics and Technical Informatics, Romania, chief of the Arad Section from 2010

Member in Technical Committe to IAMSIE - International Association of Management Science & Industrial Engineering din 2010, Hong Kong,

[http://www.iamsie.org/index.php?option=com\\_content&view=article&id=2&Itemid=16](http://www.iamsie.org/index.php?option=com_content&view=article&id=2&Itemid=16)

Founding Member of Romanian Association for Artificial Intelligence - ARIA – March 2011, <http://www.aria-romania.org/en/about-aria/members>

Member in Editorial Board to SCICON – The International Association of Science & Engineering Congress din august 2011, Bangladesh, <http://www.scicon.org/index.html>

Member in Computational Intelligence in Control CT 3.2 of IFAC (International Federation of Automatic Control) din 2011, <http://tc.ifac-control.org/3/2/members>

Senior Member to IACSIT – International Association of Computer of Computer Science and Information Technology, Singapore, No. 80343689 from 2011.

Mentor to Interscience Research Network, IRNet, India, [www.interscience.ac.in](http://www.interscience.ac.in), from 2012.

Elected Joint Secretary of the Governing Council of Forum for Interdisciplinary Mathematics (FIM), - A Multidisciplinary Academic Body, India, 2013-2015, <http://forum4interdisciplinarymathematics.org/Governing-Council.asp>

<http://share.pdfonline.com/56823f06637244819c01e38892f873/Elected%20Joint%20Secretary%20for%20201>

Elected **Vicepresident (Awards) of the International Fuzzy Systems Association Council – IFSA**, 2013-2015, USA, <http://isdlab.ie.ntnu.edu.tw/ntust/ifsa/sources/council.html>

**Foreign languages: English, French.**

**Specializations:**

1985 – Tool Machines Programming, CPLICM București

1991 – Graduate course Industrial Robots

1999 and 2001 Visiting professor at University de Savoia, Annecy, France.

**Other mentions:**

**Editor**

**Editor in Chief** of Scientific and Technical Bulletin, Series: Electrotechnics, Electronics, Automatic Control and Computer Science, „Aurel Vlaicu” University from Arad, since **2004**.

**Editor** Proceedings of the 7<sup>th</sup> WSEAS International Conferences: Neural Networks, Fuzzy Systems, Evolutionary Computing, Accoustics & Music:Theory and Application, Mathematics and computers in Biology and Chemistry, Mathematics and Computers in Bussines and Economics, Automation and Information, **2006**, Cavtat, Croatia <http://www.wseas.us/e-library/conferences/2006cavtat/fs/index.htm> , **BDI indexed**

**Guest Editor** la **WSEAS Transactions on Information Science and Applications**, Issue 9, Volume 3, September **2006**, ISSN **1709-0832**, **BDI indexed**

**Guest Editor** la **Journal of Intelligent and Fuzzy Systems**, Editor *Reza Langari*, USA, Volume 19, Number 1 / **2008**, Special Issue on Soft Computing and Applications, IOS Press, ISSN 1064-1246 (Print) 1875-8967 (Online), pp. 1-2, **ISI indexed** <http://iospress.metapress.com/content/q0h6213h3k20/>  
<http://www.informatik.uni-trier.de/~ley/db/indices/a-tree/b/Balas:V= E=.html>

**Editor-in-Chief** la volumul Proceedings of International Symposium *Research and Education in Innovation Era*, Section 3, *Engineering Processes and Technology, Electrical*, Arad, 16-18 November **2006**, ISBN: 9978-973-752-110-1.

**Member in International Committee** to Analele Universitatii din Oradea/Fascicula ELECTROTEHNICA, Sectiunea: Stiinta Calculatoarelor si Sisteme de Control, ISSN **1841-7213**, [http://electroinf.uoradea.ro/facultate/fascicola\\_ssc.html](http://electroinf.uoradea.ro/facultate/fascicola_ssc.html), Revista **CNCSIS B**.

**Member in Editorial Board** to *International Journal of Intelligent Decision Technologies*,ISSN: 1872-4981, IOS Press, Nieuwe Hemweg 6B, 1013 BG Amsterdam, The Netherlands <http://www.iospress.nl/loadtop/load.php?isbn=18724981>, **2007**, **BDI indexed**

**Editorial Review Board Members** to UBICC journal (the Ubiquitous Computing and Communication Journal), **2007**, Volume 4, ISSN 1992-8424,

**Co-Guest Editor** (*Chee Peng Lim*, [Lakhmi C. Jain](#), [Ngoc Thanh Nguyen](#) and [Valentina E. Balas](#)) for Special Issue to *Fuzzy Optimization and Decision Making, A Journal of Modeling and Computation Under Uncertainty*, ISSN: 1568-4539 (Print) 1573-2908 (Online), Publisher: Springer Netherlands, **2008** <http://www.ise.ncsu.edu/fangroup/fuzzy.dir/FODM.html>, [Volume 7, Number 3 / September, 2008](#), DOI 10.1007/s10700-008-9031-4, pages 215-217, <http://www.springerlink.com/content/58h8510070464663/>, **DPLB (Computer Science Bibliography) indexed.**

**Member in Editorial Board** to *Computational Intelligence and its Applications (COMIA) Book Series-Information Science Publishing, USA*, ISBN: 1935-3731 <http://www.igi-pub.com/bookseries/details.asp?id=5>, [http://www.igi-pub.com/bookseries/details.asp?ID=5&v=bs\\_editorial](http://www.igi-pub.com/bookseries/details.asp?ID=5&v=bs_editorial) , **2008**, **BDI Indexed.**

**Co-Editor** to *Computational Intelligence Paradigms, Innovative Applications Series: Studies in Computational Intelligence* , Vol. 137, *Jain, L.C.; Sato-Ilic, M.; Virvou, M.; Tsihrintzis, G.A.; Balas, V.E.; Abeynayake, C. (Eds.)*, 2008, VIII, 282 p. 127 illus., Hardcover, ISBN: 978-3-540-79473-8, Springer, **DPLB (Computer Science Bibliography) indexed.**

**Co-Editor in Chief** to *International Journal of Advanced Intelligence Paradigms (IJAIP)*, ISSN (Online): 1755-0394 - ISSN (Print): 1755-0386, INTERSCIENCE PUBLISHER, <http://www.inderscience.com/browse/index.php?journalCODE=ijaip> , **2008**

**Forward by Prof. Lotfi A. Zadeh**, <http://www.inderscience.com/editorials/f842103796111512.pdf>

**Member in Editorial Board** to *International Journal of Granular Computing, Rough Sets and Intelligent Systems (IJGRSIS)*, ISSN (Online): 1757-2711 - ISSN (Print): 1757-2703, INTERSCIENCE PUBLISHER, <http://www.inderscience.com/browse/index.php?journalCODE=ijgrsis> , **2008**

**Associat Editor** to *Journal of Computer Science and Control Systems*, ISSN code 1844-6043, Editura Universității din Oradea, **2008**,

<http://electroinf.uoradea.ro/reviste/default.htm> , <http://electroinf.uoradea.ro/reviste/default.htm>

**Redactor** to *Revista de informatică și informatică industrială*, edited by Fundația Cultural Științifică

*General Gheorghe Magheru* from Tîrgu Jiu, ISSN 1843-6978, 2008.

**Guest Editor** to *Studies in Computational Intelligence*, Berlin: Springer 2009 – volume: “*Soft Computing Based Modeling in Intelligent Systems*” 2009, **DPLB (Computer Science Bibliography) indexed**.  
<http://www.springer.com/engineering/book/978-3-642-00447-6>

**Member in Editorial Board** to *International Journal of Reasoning-based Intelligent Systems (IJRIS)* ISSN (Online): 1755-0564 - ISSN (Print): 1755-0556, INTERSCIENCE PUBLISHER,  
<https://www.inderscience.com/browse/index.php?journalID=267> , 2009

**Guest Editor**, Ngoc Thanh Nguyen, Chee Peng Lim, Lakhmi C. Jain, **Valentina E. Balas** to *Journal of Intelligent and Fuzzy Systems*, Editor Reza Langari, USA, Volume 20, Issue 1,2 April 2009, Special Issue: Applications in Engineering and Technology, IOS Press, ISSN 1064-1246 (Print) 1875-8967 (Online), Guest Editorial: *Theoretical advances and applications of intelligent paradigms* pp. 1-2, **ISI indexed**

**Editors:**

Prof. Nikos E. Mastorakis, Technical University of Sofia, Bulgaria

Prof. Anca Croitoru, University "Al. I. Cuza" of Iasi, Romania

**Prof. Valentina Emilia Balas, "Aurel Vlaicu" University of Arad, Romania**

Prof. Eduard Son, Russian Academy of Sciences, Moscow, Russia Prof. Valeri Mladenov, Technical University of Sofia, Bulgaria

**RECENT ADVANCES in FUZZY SYSTEMS**

**Proceedings of the 10th WSEAS International Conference on**

**FUZZY SYSTEMS (FS'09)**

Prague, Czech Republic, March 23-25, 2009

ISSN: 1790-5109, ISBN: 978-960-474-066-6

**Editors:**

Prof. Nikos E. Mastorakis, Technical University of Sofia, Bulgaria

Prof. Anca Croitoru, University "Al. I. Cuza" of Iasi, Romania

**Prof. Valentina Emilia Balas, "Aurel Vlaicu" University of Arad, Romania**

Prof. Eduard Son, Russian Academy of Sciences, Moscow, Russia Prof. Valeri Mladenov, Technical University of Sofia, Bulgaria

**RECENT ADVANCES in AUTOMATION & INFORMATION**

**Proceedings of the 10th WSEAS International Conference on**

**AUTOMATION & INFORMATION (ICAI'09)**

Prague, Czech Republic, March 23-25, 2009

ISSN: 1790-5117, ISBN: 978-960-474-064-2

**Editors:**

Prof. Nikos E. Mastorakis, Technical University of Sofia, Bulgaria

Prof. Anca Croitoru, University "Al. I. Cuza" of Iasi, Romania

**Prof. Valentina Emilia Balas, "Aurel Vlaicu" University of Arad, Romania**

Prof. Eduard Son, Russian Academy of Sciences, Moscow, Russia Prof. Valeri Mladenov, Technical University of Sofia, Bulgaria

**RECENT ADVANCES in**

**NEURAL NETWORKS**

**Proceedings of the 10th WSEAS International Conference on**

**NEURAL NETWORKS (NN'09)**

Prague, Czech Republic, March 23-25, 2009

ISSN: 1790-5109, ISBN: 978-960-474-065-9

**Editors:**

Prof. Nikos E. Mastorakis, Technical University of Sofia, Bulgaria

Prof. Anca Croitoru, University "Al. I. Cuza" of Iasi, Romania

**Prof. Valentina Emilia Balas, "Aurel Vlaicu" University of Arad, Romania**

Prof. Eduard Son, Russian Academy of Sciences, Moscow, Russia Prof. Valeri Mladenov, Technical University of Sofia, Bulgaria

**RECENT ADVANCES in ACOUSTICS & MUSIC: THEORY & APPLICATIONS**

**Proceedings of the 10th WSEAS International Conference on ACOUSTICS & MUSIC: THEORY & APPLICATIONS**

**(AMTA '09)**

Prague, Czech Republic, March 23-25, 2009

ISSN: 1790-5095, ISBN: 978-960-474-061-1

**Editors:**

Prof. Nikos E. Mastorakis, Technical University of Sofia, Bulgaria

Prof. Anca Croitoru, University "Al. I. Cuza" of Iasi, Romania

**Prof. Valentina Emilia Balas, "Aurel Vlaicu" University of Arad, Romania**

Prof. Eduard Son, Russian Academy of Sciences, Moscow, Russia Prof. Valeri Mladenov, Technical University of Sofia, Bulgaria

**RECENT ADVANCES in MATHEMATICS and COMPUTERS in BIOLOGY AND CHEMISTRY**  
**Proceedings of the 10th WSEAS International Conference on**  
**MATHEMATICS and COMPUTERS in**  
**BIOLOGY and CHEMISTRY (MCBC'09)**

Prague, Czech Republic, March 23-25, 2009  
ISSN: 1790-5125, ISBN: 978-960-474-062-8

**Editors:**

Prof. Nikos E. Mastorakis, Technical University of Sofia, Bulgaria  
Prof. Anca Croitoru, University "Al. I. Cuza" of Iasi, Romania

**Prof. Valentina Emilia Balas, "Aurel Vlaicu" University of Arad, Romania**

Prof. Eduard Son, Russian Academy of Sciences, Moscow, Russia Prof. Valeri Mladenov, Technical University of Sofia, Bulgaria

**RECENT ADVANCES in MATHEMATICS and COMPUTERS in BUSINESS and ECONOMICS**  
**Proceedings of the 10th WSEAS International Conference on**  
**MATHEMATICS and COMPUTERS in**  
**BUSINESS and ECONOMICS (MCBE'09)**

Prague, Czech Republic, March 23-25, 2009  
ISSN: 1790-5109, ISBN: 978-960-474-063-5

**Editors:**

Prof. Nikos E. Mastorakis, Technical University of Sofia, Bulgaria  
Prof. Anca Croitoru, University "Al. I. Cuza" of Iasi, Romania

**Prof. Valentina Emilia Balas, "Aurel Vlaicu" University of Arad, Romania**

Prof. Eduard Son, Russian Academy of Sciences, Moscow, Russia Prof. Valeri Mladenov, Technical University of Sofia, Bulgaria

**RECENT ADVANCES in EVOLUTIONARY COMPUTING**

**Proceedings of the 10th WSEAS International Conference on EVOLUTIONARY COMPUTING (EC '09)**  
Prague, Czech Republic, March 23-25, 2009

ISSN: 1790-5109, ISBN: 978-960-474-067-3

Editor to **International Journal of Digital Content Technology and its Applications (JDCTA)**, ISSN 1975-9339, Korea, 2009, <http://www.aicit.org/jdcta>, <http://www.aicit.org/jdcta/page08.html> (indexata DBLP)

**Guest Editor**, Chee Peng Lim, Lakhmi C. Jain, George A. Tsihrintzis, Maria Virvou, **Valentina Emilia Balas**, to *International Journal of Intelligent Defence Support Systems*, Volume 2, Number 2, 2009, Special Issue: Intelligent Modelling and Data Analysis Techniques, ISSN (Online): 1755-1595 - ISSN (Print): 1755-1587, <http://www.inderscience.com/browse/index.php?journalCODE=ijidss>

**Member in Scientific Board** to *Acta Technica Napocensis*, Technical University of Cluj-Napoca, Romania, Faculty of Electronics, Telecommunications and Information Technology, Volume 50, Number 1, 2009, ISSN 1221 – 6542.

**Associate Editor** to *AISS – Advances in Information Sciences and Services Sciences* (An International Journal of Research and Innovation), ISSN : 1976-3700, Korea, from 2009.

<http://www.aicit.org/aiss/editorial.html>

**Member in Editor/Editorial Board** to *Journal of Computer Science & Systems Biology*, OMICS Publishing Group, USA, from 2009, ISSN: 0974–7230, <http://www.omicsonline.com/jcsbhome.php>, <http://www.omicsonline.com/EditorialboardJCSB.php>

**Editor** to *Journal of Convergence Information Technology JCIT*, from 2009, ISSN : 1975-9320, (DBLP, INSPEC), <http://www.aicit.org/jcit/editorial.html>, AICIT - Advanced Institute of Convergence IT, Dongguk University, Korea

**Editor** to *International Journal of Advancements in Computer Technology IJACT*, from 2009, ISSN: 2005-8039, [http://www.aicit.org/IJACT/edit\\_board.html](http://www.aicit.org/IJACT/edit_board.html), AICIT - Advanced Institute of Convergence IT, Dongguk University, Korea

**Editor** to *Journal of Tissue Sciences & Engineering*, OMICS Publishing Group, USA, from 2009, <http://www.omicsonline.org/EditorialboardJTSE.php>

**Editor** to *Journal of Data Mining in Genomics & Proteomics (JDMGP)*, from 2010, ISSN: 2153-0602, <http://www.omicsonline.org/EditorialboardJDMGP.php>

**Member in Editorial Board** to *AIS - Advances in Information Sciences*, ISSN 2093-1956, Human Pub, Human and Sciences Publications, 2010, [http://www.humanpub.org/ais/edit\\_board.html](http://www.humanpub.org/ais/edit_board.html)

**Editors:**

Prof. Viorel Munteanu, G. Enescu University, Romania



Prof. Razvan Raducanu, Al. I. Cuza University, Romania  
Prof. Gheorghe Dutica, G. Enescu University, Romania  
Prof. Anca Croitoru, Al. I. Cuza University, Romania  
Prof. Valentina Emilia Balas, Aurel Vlaicu University, Romania  
**RECENT ADVANCES in Acoustics & Music**  
**Proceedings of the 11th WSEAS International Conference on**  
**Acoustics & Music (AMTA'10)**  
Iasi, Romania, June 13-15, 2010  
ISSN: 1790-5095; ISBN: 978-960-474-192-2  
<http://www.wseas.us/books/2010/Iasi/AMTA.pdf>  
Publisher WSEAS, WSEAS Mechanical Engineering Series  
A Series of Reference Books and Textbooks

**Editors:**

Prof. Viorel Munteanu, G. Enescu University, Romania  
Prof. Razvan Raducanu, Al. I. Cuza University, Romania  
Prof. Gheorghe Dutica, G. Enescu University, Romania  
Prof. Anca Croitoru, Al. I. Cuza University, Romania  
Prof. Valentina Emilia Balas, Aurel Vlaicu University, Romania  
Prof. Luige Vladareanu, Romanian Academy, Romania  
**RECENT ADVANCES in Automation & Information**  
**Proceedings of the 11th WSEAS International Conference on**  
**Automation & Information (ICAI'10)**  
Iasi, Romania, June 13-15, 2010  
ISSN: 1790-5117; ISBN: 978-960-474-193-9  
<http://www.wseas.us/books/2010/Iasi/ICAI.pdf>  
Publisher WSEAS, Recent Advances in Electrical Engineering  
A Series of Reference Books and Textbooks

**Editors:**

Prof. Viorel Munteanu, G. Enescu University, Romania  
Prof. Razvan Raducanu, Al. I. Cuza University, Romania  
Prof. Gheorghe Dutica, G. Enescu University, Romania  
Prof. Anca Croitoru, Al. I. Cuza University, Romania  
Prof. Valentina Emilia Balas, Aurel Vlaicu University, Romania  
**RECENT ADVANCES in Mathematics and Computers in Business, Economics, Biology & Chemistry**  
**Proceedings of the 11th WSEAS International Conference on**  
**Mathematics and Computers in Business and Economics (MCBE'10)**  
**Proceedings of the 11th WSEAS International Conference on**  
**Mathematics and Computers in Biology and Chemistry (MCBC'10)**  
Iasi, Romania, June 13-15, 2010  
ISSN: 1790-2769, ISBN: 978-960-474-194-6  
<http://www.wseas.us/books/2010/Iasi/MCBEC.pdf>  
Publisher WSEAS, Mathematics and Computers in Science Engineering  
A Series of Reference Books and Textbooks

**Editors:**

Prof. Viorel Munteanu, G. Enescu University, Romania  
Prof. Razvan Raducanu, Al. I. Cuza University, Romania  
Prof. Gheorghe Dutica, G. Enescu University, Romania  
Prof. Anca Croitoru, Al. I. Cuza University, Romania  
Prof. Valentina Emilia Balas, Aurel Vlaicu University, Romania  
Prof. Alina Gavrilut, Al. I. Cuza University, Romania  
**RECENT ADVANCES in Neural Networks, Fuzzy Systems & Evolutionary Computing**  
**Proceedings of the 11th WSEAS International Conference on NEURAL NETWORKS (NN '10)**  
**Proceedings of the 11th WSEAS International Conference on EVOLUTIONARY COMPUTING (EC '10)**  
**Proceedings of the 11th WSEAS International Conference on FUZZY SYSTEMS (FS '10)**  
Iasi, Romania, June 13-15, 2010  
ISSN: 1790-5109, ISBN: 978-960-474-195-3  
<http://www.wseas.us/books/2010/Iasi/NNECFCS.pdf>  
Publisher WSEAS, Artificial Intelligence Series  
A Series of Reference Books and Textbooks

**Member in Editorial Review Board of the International Journal of Energy Optimization and Engineering**

(IJEQE), IGI Global, <http://www.igi-global.com/Bookstore/TitleDetails.aspx?TitleId=47187>  
Member in Editorial Board to **International Journal of Engineering and Industries, IJEI**, Advanced Institute of Convergence IT, <http://www.aicit.org/ije/cfeic.html?pn=ije>

**Regional Editor Europe to International Journal of Computational Systems Engineering (IJCSysE)**, ISSN (Online): 2046-3405 - ISSN (Print): 2046-3391, Inderscience, <http://www.inderscience.com/browse/index.php?journalID=378>

**Guest Editors, Valentina E. Balas**, Ioan Dzitac, Horia-Nicolai Teodorescu - INTERNATIONAL JOURNAL of COMPUTERS, COMMUNICATIONS & CONTROL, ISSN 1841-9836, E-ISSN 1841-9844 . Year: **2011** Volume: 6 Number: 3 (September), *This Issue is Dedicated to Professor Lotfi A. Zadeh on the Occasion of his 90th Birthday*, Agora University Editing House, ISSN 1841-9836.

Member in Editorial Review Board to **International Journal of Energy Optimization and Engineering (IJEQE)**, DOI: 10.4018/IJEQE, IGI Global, <http://www.igi-global.com/bookstore/titledetails.aspx?titleid=47187&detailstype=reviewboard>

Associat Editor to **International Journal of System Dynamics Applications (IJSDA)**, DOI: 10.4018/IJSDA, IGI Global, <http://www.igi-global.com/bookstore/titledetails.aspx?TitleId=51803> , [www.igi-global.com/IJSDA](http://www.igi-global.com/IJSDA).

Associate Co Editor-in-chief to **Agricultural Engineering Research Journal (AERJ)**, ISSN: 2218-3906, IDOSI (International Digital Organization for Scientific Information), Egypt, <http://www.idosi.org/aerj/board.htm>

Member in Editorial Board to **International Journal of Control Systems, Robotics and Industrial Automation**, ISSN 2240-1229, <http://www.internationalsar.org/journal2.html>

Member in Editorial Board to **American Journal of Intelligent Systems**, p-ISSN: TBD, e-ISSN: TBD, Website: <http://journal.sapub.org/ajis>, <http://www.sapub.org/journal/editorialboard.aspx?journalid=1060>

Associate Editor to **Cyber Journals: Multidisciplinary Journals in Science and Technology**, for Journal of Selected Areas in Robotics and Control (JSRC) ISSN 1925-2676, Canada, <http://www.cyberjournals.com/> , <http://www.cyberjournals.com/associates.html>

Associate Editor to **Acta Polytechnica Hungarica**, Journal of Applied Sciences, ISSN 1785-8860, Hungary, <http://www.uni-obuda.hu/journal/>

Editor to Electrical and Computer Engineering – Artificial Intelligence si Automation and Control Systems de la **Central European Journal of Engineering**, ISSN: 1896-1541 (print version), ISSN: 2081-9927 (electronic version), Versita, Publisher: Versita, co-published with Springer Verlag, <http://versita.com/ceje/editors/>

**Associate Editor la International Journal of Nanotechnology and Molecular Computation (IJNMC)**, ISSN: **1941-6318**, EISSN: **1941-6326**, DOI: **10.4018/IJNMC**, IGI Global, BDI, (INSPEC, DBLP, Cabell, etc.), <http://www.igi-global.com/journal/international-journal-nanotechnology-molecular-computation/1117>

Member in Editorial Board to **Journal of Mechanics Engineering and Automation**, ISSN:2159-5275, [http://www.davidpublishing.com/journals\\_info.asp?jld=713](http://www.davidpublishing.com/journals_info.asp?jld=713)

**Guest Editor to Studies in Computational Intelligence, Berlin: Springer 2012 – Vol 417**, “ *New Concepts and Applications in Soft Computing* ” 2012, Eds. Valentina Emilia Balas, Annamaria Varkonyi-Koczy, Janos Fodor, ISBN 978-3-642-28958-3, 278 pag. <http://www.springer.com/engineering/computational+intelligence+and+complexity/book/978-3-642-28958-3>

**Member in Editorial Board la Scientific Journal of Engineering (SJEng)**, <http://www.sjournals.com/index.php/SJEng/about/displayMembership/22b>

**Guest Editor to Special Issue** on Fuzzy Engineering and Intelligent Transportation (Guest Editors : Prof. Xiangmo Zhao, Prof. **Valentina Emilia Balas** and Prof. Fuqian Shi), International Journal of INFORMATION (INFORMATION-TOKYO), Editing Asian Information-Science-Life (NOVA Sci. Pub., USA), [http://www.information-iii.org/information\\_journal.html](http://www.information-iii.org/information_journal.html) , Vol.15, No.6, June, 2012, [http://www.information-iii.org/abs\\_e2.html#No6-2012](http://www.information-iii.org/abs_e2.html#No6-2012)

**Guest Editor to Special Issue** Recent advances in soft computing: Theories and applications, Journal of

Intelligent & Fuzzy Systems, (Guest Editors: Chee Peng Lim, **Valentina Emilia Balas** and Quoc Do), 2013, <http://iospress.metapress.com/content/56qw7161m6573240/fulltext.pdf>

Editor to **Recent Researches in Circuits & Systems**, Proceedings of the 16th WSEAS International Conference on Circuits(part of CSCC '12), Proceedings of the 16th WSEAS International Conference on Systems(part of CSCC '12), Kos Island, Greece July 14-17, 2012, <http://www.scribd.com/doc/101382593/Telecom>

Associate Editor la **International Journal of Computers and Communications**, ISSN: 2074-1294, Publisher : NORTH ATLANTIC UNIVERSITY UNION, NAUN, <http://journalseeker.researchbib.com/?action=viewJournalDetails&issn=20741294&uid=rf84dc>

**Guest Editor la Soft Computing Applications**, Proceedings of the 5th International Workshop Soft Computing Applications (SOFA 2012) Series: **Advances in Intelligent Systems and Computing**, Vol. 195 Balas, V.E.; Fodor, J.; Várkonyi-Kóczy, A.R.; Dombi, J.; Jain, L.C. (Eds.) 2013, ISBN 978-3-642-33941-7

Guest Editor la **International Journal of Advancements in Computing Technology** ISSN: 2005-8039, Special Issue 54 - 2012 the 2nd International Joint Conference on Fuzzy Computing and Intelligent Transportation, <http://www.aicit.org/IJACT/global/si.html?jname=IJACT#S54> (**SCOPUS, INSPEC, DBLP**)

Lead Guest Editor la **Mathematical Problems in Engineering**, ISSN: 1024-123X (Print), ISSN: 1563-5147 (Online), Fuzzy Computing and Intelligent Transportation, <http://www.hindawi.com/journals/mpe/si/702023/cfp/>, <http://www.hindawi.com/journals/mpe/>, (**ISI Journal IF = 0,548**).

Member in Editorial Board la **Journal of Automation and Control Engineering, JOACE**, ISSN: 2301-3702, <http://www.joace.org/index.php?m=content&c=index&a=lists&catid=18>

Editor to **International Journal of Social Networking and Virtual Communities (Int J SocNet & Vircom)**, ISSN: 2252-8784, <http://iaesjournal.com/online/index.php/VirCom/about/editorialTeam>

Member in Reviewer Panel to **Environmental Geotechnics**, E-ISSN: 2051-803X, ICE Publishing, USA, <http://www.icevirtuallibrary.com/content/related/panel?pubId=envgeo>

*Associate Editor-in-Chief to Lecture Notes in Information Science and Technology, LNIST, ISSN 2304-9944, <http://www.orstlib.org/lnist/>*

Member in Editorial Board to **Archives of the Philosophy and History of Soft Computing**, International online journal, published by European Centre of research in Soft Computing, Spain, <http://docs.softcomputing.es/public/ArchivesJournal-Call-R.pdf>

Member in Editorial Board to **International Journal of Advanced Computer Science and Information Technology (IJACSIT)**, ISSN 2296-1739, Publisher Helvetic Editions, <http://elvedit.com/journals/IJACSIT/>, [http://elvedit.com/journals/IJACSIT/?page\\_id=32](http://elvedit.com/journals/IJACSIT/?page_id=32)

Associate Editor to **BIOINFO SOFT COMPUTING**, ISSN : 2249-2747 (Print), E-ISSN : 2249-2755 (Online), <http://www.bioinfopublication.org/journal.php?opt=azjou&jouid=BPJ0000211&detail=editorial#>

Member in Editorial Board as Member Board to section Engineering for **SpringerPlus – Springer Open Journal**, ISSN: 2193-1801, <http://www.springerplus.com/about/edboard>

Member in Editorial Board to **Journal of Information Technology & Software Engineering**, ISSN: 2165-7866, OMICS Publishing Group, <http://www.omicsgroup.org/journals/editorialboardJITSE.php>

Member in Editorial Board to **International Journal of Computer and Information Technologies (IJOCIT)**, <http://ijocit.org/index.php/editorial-board> din 2013.

Associate Editor to **Prescopus Russia**, <http://ores.su/>, <http://ores.su/zhurnal-prescopus-russia-open-journal/392-zhurnal-publikacii-nauchnih-rabot-prescopus-russia-open-journal.html>

Member in Editorial Board to **Archives for the Philosophy and History of Soft Computin, International on line journal**, ISSN 2341-0183, <http://www.aphsc.org/index.php/aphsc/about/displayMembership/4>

Member in Editorial Board to **Technical Transactions, Automatic Control**, Wydawnictwo Politechniki Krakowskiej, ISSN 0011-4561, ISSN 2300-1526, [http://www.czasopismotechniczne.pl/http://suw.biblos.pk.edu.pl/resources/i3/i8/i5/i4/i3/r38543/TechnicalTransactions\\_i.2.AutomaticControl\\_i.1-AC.pdf](http://www.czasopismotechniczne.pl/http://suw.biblos.pk.edu.pl/resources/i3/i8/i5/i4/i3/r38543/TechnicalTransactions_i.2.AutomaticControl_i.1-AC.pdf)

Member in Advisory Board to International **Journal of Railway Research** (IJRARE), Iran  
<http://ijrare.iust.ac.ir/>

Guest editor to **Innovations in Intelligent Machines-5: Computational Intelligence in Control Systems Engineering**, Studies in Computational Intelligence, vol. 561, 2014, by Valentina Emilia Balas, Petia Koprinkova-Hristova, Lakhmi C. Jain, ISBN: 978-3-662-43369-0 (Print) 978-3-662-43370-6 (Online)<http://link.springer.com/book/10.1007/978-3-662-43370-6>

Associate Editor to the **Journal Intelligent Decision Technologies**, ISSN 1872-4981, IOS Press,  
<http://www.iospress.nl/journal/intelligent-decision-technologies/>

Member in Editorial Board to **International Journal of Engineering and Technology**, ISSN 2227-524X,  
<http://www.sciencepubco.com/index.php/ijet/about/editorialTeam>, from 2015.

Managing editor la The Bahria University Journal of Information & Communication Technologies (BUJICT), ISSN 1999-4974, <http://bujict.bimcs.edu.pk/index.php/editorial-board/>

Membru in Editorial Board la Turkish Journal of Analysis and Number Theory, ISSN 2333-1100,  
<http://www.sciepub.com/journal/TJANT/EditorialBoard>

Membru in Editorial Board la International **Journal of Management and Fuzzy Systems**, Science Publishing Group,  
<http://www.sciencepublishinggroup.com/journal/editorialboard.aspx?journalid=353>

Membru in Editorial Board la International Journal of Management and Fuzzy Logic,  
<http://www.sciencepublishinggroup.com/journal/aboutthisjournal.aspx?journalid=353>

**Guest editor** la *Soft Computing Applications*, Advances in Intelligent Systems and Computing., vol. 356, 2016 by Valentina Emilia Balas, Lakhmi C. Jain, Branco Kovacevic.  
ISSN: 2194-3557  
(Online)<http://link.springer.com/book/10.1007/978-3-662-43370-6>

**Guest editor** la *Soft Computing Applications*, Advances in Intelligent Systems and Computing., vol. 357, 2016, volume 2.  
by Valentina Emilia Balas, Lakhmi C. Jain, Branco Kovacevic.  
ISSN: 2194-3557  
(Online)<http://link.springer.com/book/10.1007/978-3-662-43370-6>

**Co-Guest Editor la Special Issue:** Time-Delay Systems: Modeling, Analysis, Estimation, Control, and Synchronization, Guest Editors: Olfa Boubaker, Valentina E. Balas, Abdellah Benzaouia, Mohamed Chaabane, Magdi S. in *Mathematical Problems in Engineering*, ISI Journal, IF=0,762

### **Organizer of Conferences, Workshops**

Organizer and General Co-Chair for International Workshop IEEE – SOFA 2005, 27-30 August 2005, Arad –Szeged, [http://www.ieee-sofa.net/03\\_chair.html](http://www.ieee-sofa.net/03_chair.html), 29 July-1 August 2009, Szeged-Arad.

Session Chair to Plenary Session of Prof. Lotfi A. Zadeh at IEEE International Workshop SOFA 2005,  
[http://www.ieee-sofa.net/07\\_tentativeprogram.html](http://www.ieee-sofa.net/07_tentativeprogram.html)

Organizer of a Special Session *Soft Computing Based Modeling in Intelligent Systems*,  
<http://www.worldses.org/conferences/2006/croatia/fs/session2.htm> within 7th WSEAS International Conference on Fuzzy Systems Cravtat, Croatia, June 12-14, 2006, <http://www.worldses.org/conferences/2006/croatia/fs>

Organizer of a Special Session *Soft Computing Applications*, <http://www.rasc2006.org.uk/> The 6th International Conference on Recent Advances in Soft Computing, RASC 2006, 10-12 July, 2006 Canterbury, University of Kent, UK.

Chair for two invited sessions to RASC 2006 <http://www.rasc2006.org.uk/program.htm>

Chair at The 7th WSEAS International Conference on FUZZY SYSTEMS, Session: Fuzzy Systems and Applications AUTOMATION & INFORMATION (ICAI'06), Cravtat, Croatia, June 12-14 2006.

Organizer of the section 3, Engineering Process and Technology, Electrical, Mechanical and Textile Engineering la International Symposium *Research and Education in Innovation Era*, 16-18 November, Arad, Romania, 2006.

Organizer of a International Workshop on Probability and Fuzziness and Their Role in Soft Computing. Theory and Applications, June 19-20, 2007, Arad, Romania, with the participation of Prof. Dan Ralescu de la Universitatea din Cincinnati, USA, <http://www.trivent.hu/Arad2007/index.html>,

Organizer and General Co-Chair for 2<sup>nd</sup> IEEE International Workshop on Soft Computing Applications - SOFA 2007, 21-23 August 2007, Gyula -Hungary / Oradea – Romania, <http://www.ieee-sofa2007.org/>,

Co-Chair together with Prof. Lotfi Zadeh to the conference „Mind Your Words! You Might Convey What You Wouldn't Like To” a Acad. Dan Tufis, la EWNLC, Băile Felix Spa, Romania, 15-17 May 2008, <http://www.iccc.univagora.ro/?page=home>

Organizer of a Special Session at 5th European Conference on Intelligent Systems and Technologies, ECIT 2008, 10 - 12 July 2008, Iasi, Romania <http://www.iit.tuiasi.ro/ecit2008/index.html>

Organizer of a Special Session at KES 2008: Novel Foundation and Applications of Intelligent Systems, 12th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems, 3-5 September 2008, Zagreb, Croatia, <http://kes2008.kesinternational.org/>

Organizer and General Co-Chair for 3rd International Workshop on Soft Computing Applications - SOFA 2009, July 29-August 1, 2009, Szeged-Hungary /Arad – Romania, <http://www.ieee-sofa2009.org/>

- Co-Chair to 11th WSEAS International Conference WSEAS 2010 13-15 June 2010, Iasi, Romania
- [11th WSEAS Int. Conf. on NEURAL NETWORKS \(NN'10\)](#)
- [11th WSEAS Int. Conf. on FUZZY SYSTEMS \(FS'10\)](#)
- [11th WSEAS Int. Conf. on EVOLUTIONARY COMPUTING \(EC '10\)](#)
- [11th WSEAS Int. Conf. on MATHEMATICS AND COMPUTERS IN BIOLOGY AND CHEMISTRY \(MCBC'10\)](#)
- [11th WSEAS Int. Conf. on MATHEMATICS AND COMPUTERS IN BUSINESS AND ECONOMICS \(MCBE'10\)](#)
- [11th WSEAS Int. Conf. on AUTOMATION & INFORMATION \(ICAI'10\)](#)

<http://www.wseas.us/conferences/2010/iasi/ec/committee.htm>

Technical Committee to KES Focus Group on Intelligent Decision Technologies, **2010**, KES International, <http://www.kesinternational.org/idt-focus.php>

Organizer and General Co-Chair to The 4<sup>th</sup> IEEE International Workshop on Soft Computing Applications - SOFA 2010, 15-17 July **2010**, Arad – Romania, <http://www.sofa2010.org>

Program Committee Chair to International Conference on System Science, Engineering Design and Manufacturing Informatization, ICSEM 2010, 12-14 November 2010, Yichang, China, <http://www.sem-conf.org/committees.htm>

Co-Chair Session la ECIT 2010 - Neural Networks & Fuzzy Systems, 7-9 Octombrie 2010, Iasi, Romania, [http://www.iit.tuiasi.ro/ecit2010/documents/Program\\_ECIT\\_2010\\_22%20sept.pdf](http://www.iit.tuiasi.ro/ecit2010/documents/Program_ECIT_2010_22%20sept.pdf)

Committee Member la Women's International Research Engineering Summit WIRES, 2011, <http://www.wires.gatech.edu/committee.php>

Publicity Co-Chair la IEEE International Conference on Fuzzy Systems 2011 - FUZZ-IEEE 2011, June 27-June 30, 2011, International Convention Center (TICC), Taipei, Taiwan, <http://www.fuzz-ieee2011.org>

Organizer and Co-Chair to SS32: Special Session on Adaptive Fuzzy Logic Control la IEEE International Conference on Fuzzy Systems 2011 - FUZZ-IEEE 2011, June 27-June 30, 2011, International Convention Center (TICC), Taipei, Taiwan, <http://www.fuzz-ieee2011.org>;  
<http://fuzzieee2011.nutn.edu.tw/download/FUZZ-IEEE%202011-SS32-12082010.pdf>

Organizer and Co-Chair to SS33: Special Session on Fuzzy and Paraconsistent Intelligent Systems la IEEE International Conference on Fuzzy Systems 2011 - FUZZ-IEEE 2011, June 27-June 30, 2011, International Convention Center (TICC), Taipei, Taiwan, <http://www.fuzz-ieee2011.org>; <http://www.fuzz-ieee2011.org/download/FUZZ-IEEE%202011-SS33-12082010.pdf>

Organizer and Co-Chair to Special Session Computational Intelligence Methods to Benefit Society, KES 2011 – 15<sup>TH</sup> INTERNATIONAL CONFERENCE ON KNOWLEDGE-BASED AND INTELLIGENT INFORMATION & ENGINEERING SYSTEMS: 12-14 SEPTEMBER 2011, KAISERSLAUTERN, GERMANY  
<http://kes2011.kesinternational.org/cms/user/ISdisplay.php>, <http://kes2011.kesinternational.org/cms/userfiles/cfp-is02.pdf>

Program Committee Co-Chair to 5<sup>th</sup> International Symposium on Computational Intelligence



and Intelligent Informatics, ISCI'11, September, 15 – 17, 2011, Floriana, Malta,  
<http://www.trivent.hu/ISCI2011/index.php?p=chairs>

Conference Chair to International Joint Conference on Fuzzy Engineering and Intelligent Transportation FEIT 2011, Xi'an, China, 10-11, December, 2011, <http://www.feit-conf.org>, <http://www.feit-conf.org/committees.html>

Co-organizer of a Special Session New Directions in Fuzzy Adaptive Control, Session organizers Valentina E. Balas and Tsung-Chih Lin FUZZ-IEEE'2012, at [WCCI'2012](#), Brisbane, Australia, June 10-15, 2012, <http://www.uav.ro/files/call/Special%20session.pdf>

Co-organizer to The Second International Workshop on Cognitive Computer Vision, 2 Martie 2012, Arad, <http://trivent.hu/2012/cogcomvi2012/index.html>

Chair to 16th WSEAS International Conference on CIRCUITS, (part of CSCC '12), Kos Island, Greece, July 14-16, 2012, <http://www.wseas.org/wseas/cms.action?id=1047>

Organizer and General Co-Chair to The 5<sup>th</sup> IEEE International Workshop on Soft Computing Applications - SOFA 2012, 22-24 August 2012, Szeged-Hungary, <http://iee-sofa2012.org/>

Program Committee Chair to The 3<sup>rd</sup> International Conference on System science, Engineering design and Manufacturing informatization, ICSEM 2012, 20-21 October, 2012, Chengdu, China, <http://www.sem-conf.org/committees.htm>,

Publication and Proceedings Chair to 5<sup>th</sup> International Conference on Computers Communications and Control, ICCCC 2014, Băile Felix, Oradea, România, May 7-9, 2014, <http://univagora.ro/icccc2014/>

Co-Organizer of a Special Session to FUZZ-IEEE 2014, 6-11 Iulie, 2014, Beijing, China, SS:FZ-26: Fuzzy Techniques in Biometrics, Valentina E. Balas, Nicolaie Popescu-Bodorin, <http://www.ieee-wcci2014.org/accepted-ss.htm>

Co-Organizer of a Special Session to FUZZ-IEEE 2014, 6-11 Iulie, 2014, Beijing, China, SS: NN-29 Hybrid: *Advances, Applications and Practical Implementations of Neuro-Fuzzy systems*- Ahmad Taher Azar, Valentina E. Balas, Rajeeb Dey, <http://www.ieee-wcci2014.org/accepted-ss.htm>

**General Co-Chair** to 6<sup>th</sup> edition of International Workshop SOFA 2014, Timisoara 24-26 July 2014, <http://www.sofa2014.org/index.html>

**Member in Organizing Committee** la *OMICS Group's 3rd International Conference and Exhibition on Biometrics & Biostatistics, October 20-22, 2014 in Baltimore MD USA*, <http://omicsgroup.com/biometrics-biostatistics-conference-2014/committee.php>

Co-Organizer of three Special Sessions to FUZZ-IEEE 2015, Istanbul, Turkey

Co-Organizer of three Special Sessions to IFSA-EUSFLAT 2015

Publicity Co-Chair to WCCI 2016, Vancouver, Canada.

## **International Program Committee**

Member in International Program Committee la EMES'05 Oradea, 2005.

Member in Technical Program Committee la ICM 2006 – IEEE International Conference on Mechatronics, July 3-5, 2006, Budapest, <http://bmf.hu/conferences/icm2006/committees.html>

Member in Technical Program Committee la INES 2006, 10th International Conference on Intelligent Engineering Systems 2006, London, UK, June 26-28, 2006, <http://www.ines-conf.org/ines-conf/2006comm.htm>

Member in International Program Committee al RSEE'2006 6th International Conference on RENEWABLE SOURCES AND ENVIRONMENTAL ELECTRO-TECHNOLOGIES, 8 - 10 June 2006, Oradea , Romania.

Member in Scientific Committee to ECIT 2006 – 4th European Conference on Intelligent Systems and Technologies, 21-23 Septembrie 2006, Iasi, Romania, <http://www.etc.tuiasi.ro/sibm/ECIT2006/committees.html>

Member in Technical Program Committee, ISCI'07 3<sup>rd</sup> International Symposium on Computational Intelligence and Intelligent Informatics, March 28-30, 2007, Agadir, Morocco,

<http://www.trivent.hu/ISCIII2007/Committees.html>

Member in International Program Committee to EMES'07 Oradea, 9th International Conference on ENGINEERING OF MODERN ELECTRIC SYSTEMS, 24 - 26 May 2007, Oradea , Romania,

[http://electroinf.uoradea.ro/facultate/comp\\_session.html](http://electroinf.uoradea.ro/facultate/comp_session.html)

Member in Advisory International Committee to 8th WSEAS International Conference on FUZZY SYSTEMS (FS '07), Vancouver, Canada, June 18-20, 2007

<http://www.wseas.org/conferences/2007/canada/fs/committee.htm>

Member in Technical Program Committee to INES 2006 11<sup>th</sup> IEEE International Conference on Intelligent Engineering Systems 2007, Budapest, Hungary, June 29-July 2, 2007,

<http://www.trivent.hu/INES2007/committees.html> <http://www.ines-conf.org>

Member in Technical Program Committee to ICCC 2007, 5<sup>th</sup> IEEE International Conference on Computational Cybernetics, October 19-21, 2007, Gammarth, Tunisia,

<http://www.trivent.hu/ICCC2007/committees.html>

Member în Program Committee to Symposium "Pionniers of Romanian Informatics ", 8 December 2007 Universitatea Agora Oradea, <http://www.bihon.ro/stiri/oradea-bihor/articol/simpozion-dedicat-pionierilor-informaticii/cn/news-20071205-06422704>

Member in Technical Program Committee to INES 2007 12<sup>th</sup> IEEE International Conference on Intelligent Engineering Systems 2008, February 25-29, 2008, Caribbean Sea,

<http://www.trivent.hu/INES2008/committees.html>

Member in International Committee of the conference - The 19th Midwest Artificial Intelligence and Cognitive Science Conference, MAICS 2008, April 12 and 13, 2008 in Cincinnati, OH,

<http://penguin.ewu.edu/MAICS2008/> ;

Member in Program Committee and Program Section Chairs to The IEEE 2<sup>nd</sup> International Conference on Computers, Communications & Control (ICCCC 2008), Băile Felix Spa, Romania, 15-17 May 2008,

<http://www.iccc.univagora.ro/?page=thcom> [http://smile.ee.ncku.edu.tw/WCI/Event\\_ICCCC2008.html](http://smile.ee.ncku.edu.tw/WCI/Event_ICCCC2008.html)

Member in Scientific Committee at AFASES 2008 – Sesiunea de Comunicări Științifice cu participare internațională „Cercetare Științifică și Educație în Forțele Aeriene”, 16-17 Mai 2008, Brașov, Romania,

<http://www.afahc.ro/sesiune.html>

Member in Program Committee to WCCI2008 Workshop Applications of Computational Intelligence to Benefit Society, Hong Kong, 7th June 2008,

<http://www.doc.mmu.ac.uk/RESEARCH/Intelgrp/WCCIWorkshop/committee.htm>

Member in International Committee at W O R L D C O M P ' 0 8 , The 2008 World Congress in Computer Science, Computer Engineering, & Applied Computing, ICAI'08, The 2008 International Conference on Artificial Intelligence, Las Vegas, Nevada, USA, July 14-17, 2008, <http://www.world-academy-of-science.org/worldcomp08/ws/conferences/icai08/committee>

Member in International Technical Committee to ICETET – 08, International Conference on Emerging Trends in Engineering and Technology, July 16-18 2008, Nagpur, India,

<http://209.85.129.104/search?q=cache:NXSvFAK2DicJ:icetet.org/+ICETET-+08&hl=ro&ct=clnk&cd=1&gl=ro>

Member in International Program Committee at 5th European Conference on Intelligent Systems and Technologies, ECIT 2008, 10 - 12 July 2008, Iasi, Romania

<http://www.iit.tuiasi.ro/ecit2008/committees.html>

Member in International Reviewers Committee for KES 2008, 12th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems, 3-5 September 2008, Zagreb, Croatia,

<http://kes2008.kesinternational.org/cmsIRCdisplay.php>

Member in Scientific Committee of International Workshopului BICS '2008 Bio-Inspired Computational Methods Used for Difficult Problems Solving. Development of Intelligent and Complex Systems Tg. Mures, Romania November 5-7, 2008,

[http://davos.science.uttgm.ro/bio\\_computation/scientific\\_committee.html](http://davos.science.uttgm.ro/bio_computation/scientific_committee.html)

Member in Scientific Committee of International Workshop CANS '2008 Complexity and Intelligence of the Artificial and Natural Complex Systems. Medical Applications of the Complex Systems. Biomedical Computing Tg. Mures, Romania, November 8-10, 2008

[http://davos.science.uttgm.ro/complex\\_systems/scientific\\_committee.html](http://davos.science.uttgm.ro/complex_systems/scientific_committee.html)

Member in WASET (World Academy of Science, Engineering and Technology) Scientific and Technical Committee on Natural and Applied Sciences, din 2008,

<http://www.waset.org/NaturalandAppliedSciences.php?page=6>

Member in Scientific Committee to SETIT 2009, Sciences of Electronics, Technologies of Information and Telecommunications, Hammamet, 22-26 March 2009, Tunisia,

<http://www.setit.rnu.tn/?main=1&pg=commitee>

Member in Technical Program Committee la INES 2009 – 13<sup>th</sup> IEEE International Conference on Intelligent Engineering Systems, 16-18 April 2009, Barbados.

[http://www.ines-conf.org/ines-conf/INES2009\\_CFP.pdf](http://www.ines-conf.org/ines-conf/INES2009_CFP.pdf)

Member in International Program Committee to KES-IDT-09 - KES Symposium on Intelligent Decision Support Technologies, 23rd and 25th April 2009 in Himeji, Japan,

<http://idt-09.kesinternational.org/cmsIPCdisplay.php>

Member in International Committee of International Conference on Engineering of Modern Electric Systems, EMES '09, Mai 2009, Oradea, <http://icl.kpi.feit.tuke.sk/files/CfpEMES2009.pdf>

Member in International Scientific Committee to AFASES 2009, The International Session of XI-th Scientific Papers „Scientific Research and Education in the Air Force”, 20 – 22 May, 2009, Brasov, Romania, <http://www.afahc.ro/sesiune/sesiune.html>, <http://www.afahc.ro/sesiune/INVITATIE%20AFASES%202009.pdf>

Member in International Advisory Board, SACI 2009, 5<sup>th</sup> International Symposium on Applied Computational Intelligence and Informatics, May 28-29 2009, Timisoara, Romania. <http://bmf.hu/conferences/saci2009/committees.htm>

Member in the Program Committee to The 28th North American Fuzzy Information Processing Society Annual Conference, NAFIPS 2009, June 14-17, 2009, Cincinnati, OH, USA, <http://nafips2009.ewu.edu/wiki/index.php/Committee>

Member in Committee members to 3rd NISS 2009, International Conference on New Trends in Information and Service Science, June 30- July 2, Beijing, China. <http://www.aicit.org/niss/committee.html>

Member in Committee to NCM 2009, 5th International Joint Conference on INC (International Conference on Networked Computing), IMS (International Conference on Advanced Information Management and Service) and IDC (International on Digital Content, Multimedia Technology and its Applications), August 25-27, Seoul – Korea.

<http://www.aicit.org/ncm/committee.html>

Member in International Program Committee WISP 2009, IEEE International Workshop on Intelligent Signal Processing, 26-28 August 2009, Budapest, Hungary. <http://www.trivent.hu/WISP2009/index.php?p=chairs>

Member in Program Committee to The Fifth International Conference on Intelligent Information Hiding and Multimedia Signal Processing (IIHMSP2009) Sep.12-14, 2009, MIELPARQUE, Kyoto, Japan.

<http://www.iipl.is.ritsumei.ac.jp/iihmsp2009/information/committee.html>

Member in International Program Committee to KES 2009 - 13th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems, 28, 29 and 30 September 2009 Santiago, Chile, <http://kes2009.kesinternational.org/cmsIPCdisplay.php>

Member in Technical Program Committee to ISCIII 2009, 4th International Symposium on Computational Intelligence and Intelligent Informatics, October. 21-25, 2009, Egypt.

Member in Scientific Committee to International Symposium on Understanding Intelligent and Complex Systems, 22-23 October 2009, Petru Maior University, Târgu-Mureş, Romania, <http://uics.upm.ro/>

Member in International Committee for ICCIT 2009 – International Conference on Computer Sciences and Convergence Information Technology, November 24-26 Seoul, Korea, <http://nms.dongguk.ac.kr/iccit09/internationalcommittees.html>

Member in International Program Committee and Member in Program Committee for "Data Mining", ICETET-09, the 2nd International Conference on Emerging Trends in Engineering and Technology (ICETET-09) December 16–18, 2009, Nagpur, India, [http://icetet.org/prog\\_committee.html](http://icetet.org/prog_committee.html)

Member in International Program Committee to International Conference on Computers, Communications and Control ICCCC 2010, Băile Felix, Oradea, România, May 12-16, 2010, <http://www.iccc.univagora.ro/organization/program-committee>

- Co-Chair la 11th WSEAS International Conference WSEAS 13-15 June 2010, Iasi, Romania
- [11th WSEAS Int. Conf. on NEURAL NETWORKS \(NN'10\)](#)
- [11th WSEAS Int. Conf. on FUZZY SYSTEMS \(FS'10\)](#)
- [11th WSEAS Int. Conf. on EVOLUTIONARY COMPUTING \(EC '10\)](#)
- [11th WSEAS Int. Conf. on MATHEMATICS AND COMPUTERS IN BIOLOGY AND CHEMISTRY \(MCBC'10\)](#)
- [11th WSEAS Int. Conf. on MATHEMATICS AND COMPUTERS IN BUSINESS AND ECONOMICS \(MCBE'10\)](#)
- [11th WSEAS Int. Conf. on AUTOMATION & INFORMATION \(ICAI'10\)](#)

Technical Committee to KES Focus Group on Intelligent Decision Technologies, 2010, KES International, <http://www.kesinternational.org/idt-focus.php>

Organizer and General Co-Chair la The 4<sup>th</sup> IEEE International Workshop on Soft Computing Applications - SOFA 2010, 15-17 July 2010, Arad – Romania, <http://www.sofa2010.org>

Program Committee Chair to International Conference on System Science, Engineering Design and Manufacturing Informatization, ICSEM 2010, 12-14 November 2010, Yichang, China, <http://www.sem-conf.org/committees.htm>

Committee Member to Women's International Research Engineering Summit WIRES, 2011, <http://www.wires.gatech.edu/committee.php>

Member in Editorial Advisory Board for the book “Innovation in Power, Control and Optimization: Emerging Energy Technologies”, IGI Global, 2010, <http://www.igi->

[global.com/AuthorsEditors/AuthorEditorResources/CallForBookChapters/CallForChapterDetails.aspx?CallForContentId=2f2a1fdd-3504-41c5-a8e7-da730eed1f05](http://global.com/AuthorsEditors/AuthorEditorResources/CallForBookChapters/CallForChapterDetails.aspx?CallForContentId=2f2a1fdd-3504-41c5-a8e7-da730eed1f05)

Member in Technical Program Committee to INES 2010, 14th IEEE International Conference on Intelligent Engineering Systems 2010, Las Palmas of Gran Canaria, Canary Islands, Spain, May 5-7, 2010, <http://www.ines-conf.org>, <http://www.ines-conf.org/ines-conf/2010committees.htm>

Member in Committee Members to 6<sup>th</sup> International Conference on Networked Computing, INC 2010, May 11-13, 2010, Gyeongju, Republic of Korea, <http://www.aicit.org/inc/committee.html>

Member in Committee Members to the 3rd NISS 2010, International Conference on New Trends in Information and Service Science, May 11-13, 2010, Gyeongju, Republic of Korea, <http://www.aicit.org/niss/committee.html>

Member in Program Committee to the Third International Conference E- Medical, Systems E-MEDISYS 2010, Fez, Morocco, May 12-14, 2010, <http://www.setit.rnu.tn/e-medisys/?main=1&pg=committee>

Member in International Program Committee to International Conference on Computers, Communications and Control ICCCC 2010, Băile Felix, Oradea, România, May 12-16, 2010, <http://www.iccc.univagora.ro/organization/program-committee>

Member in International Program Committee to ICAdET'2010, the 8<sup>th</sup> International Conference on Advances in Electro-Technologies, 27-28 May 2010, Oradea, Romania, [http://electroinf.uoradea.ro/ICADET2010/progr\\_comitee.htm](http://electroinf.uoradea.ro/ICADET2010/progr_comitee.htm)

Member in International Scientific Committee to AFASES 2010, The International Session of XII-th Scientific Papers „Scientific Research and Education in the Air Force”, 27-29 May, 2010, Brasov, Romania, [http://www.afahc.ro/sesiune/INVITATIE%20AFASES%202010\\_buna.pdf](http://www.afahc.ro/sesiune/INVITATIE%20AFASES%202010_buna.pdf)

Member in International Advisory Board to International Joint Conferences on Applied Intelligent Engineering and Technical Informatics - APPIE-CONTI 2010 May 27-29, 2010, Timisoara, Romania, <http://bmf.hu/conferences/appie2010/committees.htm>

Member in International Program Committee to IEEE International Joint Conferences on Computational Cybernetics and Technical Informatics - ICC-CONTI 2010 May 27-29, 2010, Timisoara, Romania, <http://old.bmf.hu/conferences/iccc-conti2010/committees.htm>

Member in Committee la ICIS 2010, The 3rd International Conference on Information Sciences and Interaction Sciences, June 23-25, 2010, Chengdu, China, <http://209.85.129.132/search?q=cache:bhCfYrtrso0J:nms.dongguk.ac.kr/icis/committee.html+valentina+e.+balas&cd=93&hl=ro&ct=clnk&gl=ro>

Member in Student Session Program Committee to SEE-MAS 2010 – The South Eastern European Multi-Agent Systems Summer School, 5-10 July, 2010, Bucharest, Romania, <http://see-mas2010.cs.pub.ro/committees/>

Member in Program Committee to The North American Fuzzy Information Processing Society Annual Conference NAFIPS 2010, 14-17 July 2010, Toronto, Canada, [http://nafips2010.org/index.php?option=com\\_content&view=category&layout=blog&id=12&Itemid=14](http://nafips2010.org/index.php?option=com_content&view=category&layout=blog&id=12&Itemid=14)

Member in International Program Committee to The 2nd International Symposium on Intelligent Decision Technologies, KES IDT 2010, Baltimore, USA, 28 - 30 July 2010, <http://idt-10.kesinternational.org/cmsIPCdisplay.php>

Member in Committee Members to the 6<sup>th</sup> International Conference on Networked Computing and Advanced Information Management, NCM 2010, August 17-19 2010, Seoul, Korea, <http://www.aicit.org/ncm/committee.html>

Member in Committee Members to the 6<sup>th</sup> International Conference on Digital Content, Multimedia Technology and its Applications, IDC 2010 August 17-19 2010, Seoul, Korea, <http://www.aicit.org/idc/committee.html>

Member in International Program Committee to NASTEC'2010, The North-American Simulation Technology Conference, August 25-27, 2010, DigiPen Institute of Technology, Redmond, USA, <http://www.eurosis.org/cms/index.php?q=node/1324>

Member in Technical Program Committee to VECIMS 2010 IEEE International Conference on Virtual Environments, Human-Computer Interfaces and Measurement Systems, Taranto, Italy, 6-8 September 2010, <http://vecims.ieee-ims.org/organizers.php>

Member in Program Committee to EST 2010, International Conference on Emerging Security Technologies, 6-8 September 2010, Canterbury, UK, <http://www.est-2010.info/pc.html>

Member in Program Committee to MASTS 2010, The 2nd International Workshop on Multi-Agent Systems Technology and Semantics, in conjunction with 4th International Symposium on Intelligent Distributed Computing - IDC'2010, Tangier, Morocco, September 16-18, 2010, <http://aimas.cs.pub.ro/masts2010/committee>

Member in International Program Committee to WAC 2010 (World Automation Congress), 8th International Symposium on Soft Computing for Industry ISSCI, September 19-23 - Kobe, Japan, <http://wacong.org/>, <http://www.wacong.org/ISSCI2010.pdf>

Member in International Program Committee to The "International Workshop on Reasoning-based Intelligent Systems RBIS 2010, <http://www.u-hyogo.ac.jp/shse/ris-ws>, at International Congress on Ultra Modern



Telecommunications and Control Systems ICUMT2010, October 18-20, 2010, Moscow, Russia,  
<http://www.icumt.org/>

Member in International Program Committee to ICFC 2010 International Conference on Fuzzy Computation, 24-26 October, Valencia, Spain, [http://www.icfc.ijcci.org/call\\_for\\_papers.asp](http://www.icfc.ijcci.org/call_for_papers.asp)

Member in Organizing Committee to Annual International Academic Conference on Software Engineering, SE 2010, 8-9 November 2010, Singapore,  
[http://www.softweng.org/index.php?option=com\\_content&view=article&id=26&Itemid=7](http://www.softweng.org/index.php?option=com_content&view=article&id=26&Itemid=7)

Member in IPC to ICSEM 2010, International Conference in System Science, Engineering Design and Manufacturing Informatization, 12-14 November, 2010, Yichang, China, <http://www.sem-conf.org/committees.htm>, [http://www.iamsie.org/index.php?option=com\\_content&view=article&id=2&Itemid=16](http://www.iamsie.org/index.php?option=com_content&view=article&id=2&Itemid=16)

Member in IPC to PCO 2010 Global Conference on Power Control and Optimization, 2-4 Decembrie 2010, Damai Puri, Kuching, Sarawak, Borneo, Malaysia, <http://www.pcoglobal.com/committee.htm>

Member in Interational Program Committee to International Conference on Information Management, Technical Management and Intelligent Technology ICITI 2011, Hong Kong, China March 26-28, 2011,  
<http://www.iciti-conf.org/committee.html>

Member in Interational Program Committee la International Conference on Information Management, Technical Management and Intelligent Technology ICITI 2011, Hong Kong, China March 26-28, 2011,  
<http://www.iciti-conf.org/committee.html>

Member in Committee Members la Women's International Research Engineering Summit, WIRES 2011, March 30 - April 1<sup>st</sup>, Orlando Florida, USA, <http://wires.gatech.edu/committee.php>

Member in Program Committee la The 6<sup>th</sup> International Conference on Soft Computing Models in Industrial and Environmental Applications, SOCO 2011, April 6-8th, 2011, Salamanca, Spain,  
<http://soco.usal.es/>, <http://soco.usal.es/?q=node/24>

Member in Program Committee la IEEE Symposium on Foundations of Computational Intelligence, IEEE SSCI 2011 Halle aux Farines, Paris, France, April 11 – 15, 2011, IEEE –CIS,  
<http://www.gimac.uma.es/foci2011/Main.html>

Member in International Program Committee la The 22nd Midwest Artificial Intelligence and Cognitive Science Conference, MAICS 2011, in April 16-17, 2011, Cincinnati, USA,  
<http://maics2011.ewu.edu/index.php/MAICS2011>, <http://maics2011.ewu.edu/index.php/Committee>

Member in International Advisory Board, SACI 2011, 6<sup>th</sup> International Symposium on Applied Computational Intelligence and Informatics, May 19-21 2011, Timisoara, Romania, <http://conf.uni-obuda.hu/saci2011/committees.htm>

Member in Technical Program Committee la the 11<sup>th</sup> International Conference on Engineering of Modern Electric Systems, EMES 2011, Computer Science and Control Systems Session, 26-27 Mai 2011, Oradea Romania, [http://electroinf.uoradea.ro/EMES2011/committees/program\\_committee.htm](http://electroinf.uoradea.ro/EMES2011/committees/program_committee.htm)

Member in International Program Committee, IEEE International Conference on Digital Ecosystems and Technologies - IEEE DEST 2011, May 31<sup>st</sup> – June 3<sup>rd</sup> 2011, Daejeon, Korea,  
<http://dest2011.debi.curtin.edu.au/index.php/home>

Member in International Program Committee la The 5<sup>th</sup> Global Conference on Power Control and Optimization PCO 2011, Dubai, United Arab Emirate, from 1 - 3 June 2011,  
<http://www.pcoglobal.com/dubai/PCO2011DUBAI.htm>

Member in Program Committee la ICCSIT 2011, 4<sup>th</sup> IEEE International Conference on Computer Science and Information Technology, June 10-12, 2011, Chengdu, China, <http://www.iccsit.org/committee.htm>

Member in Program Committee la 2<sup>nd</sup> International Conference on Next Generation Information Technology - ICNIT 2011, June 21-23, 2011, Gyeongju, Korea,  
[http://www.aicit.org/icnit/scientific\\_members.html](http://www.aicit.org/icnit/scientific_members.html)

Member in Program Committee la 7<sup>th</sup> International Conference on Networked Computing and Advanced Information Management – NCM 2011, June 21-13, 2011, Gyeongju, Korea,  
[http://www.aicit.org/ncm/scientific\\_members.html](http://www.aicit.org/ncm/scientific_members.html)

Member in International Program Committee la 15th IEEE International Conference on Intelligent Engineering Systems INES 2011, 23-25 June, 2011, AquaCity, Poprad, High Tatras, Slovakia,  
<http://www.ines-conf.org/ines-conf/2011Committees.htm>

Member in Conference Program Committee la First International Symposium on Data-Driven Process Discovery and Analysis SIMPDA 2011, June 29-July 1<sup>st</sup> 2011, Campione d'Italia, Italy,  
<http://sesar.dti.unimi.it/SIMPDA2011/>

Member in Program Committee la International Conference on Intelligent Healthcare – ICIH 2011, Interscience Institute of Management and Technology Bhubaneswar, 9-10 July, 2011, Bhubaneswar, India,  
<http://www.interscience.ac.in/ICIH/icih.html>, <http://www.interscience.ac.in/ICIH/IAC.html>

Member in Technical Program Committee la International Multi-Disciplinary Conference on Systems, Sensors, Devices, and Information Technology, S2DIT 2011, 11-14 July 2011, Bucharest, Romania,  
<http://www.bytematters.com/S2DIT/web/committee.html>

Member in Program Committee la INC2011: The 7th International Conference on Networked Computing, 12-14 July, 2011, Beijing, China, [http://www.humanpub.org/inc/scientific\\_members.html](http://www.humanpub.org/inc/scientific_members.html)

Member in International Program Committee la 3rd International Conference on Intelligent Decision



Technologies, KES IDT 2011, University of Piraeus, 20-22 July 2011, Greece,

<http://idt-11.kesinternational.org/cmsIPCdisplay.php>

Member in Program Committee la 2011 International Conference Uncertainty Reasoning and Knowledge Engineering, URKE 2011, Bali, Indonesia, 4-7 August 2011,

<http://www.iamsie.org/urke/committees.htm>

Member in Program Committee la International Conference on Applied Mechanics and Manufacturing Technology, AMMT'11, August 18-20, 2011, Jeju Island, Korea, <http://www.iamsie.org/ammt/index.htm> ,

<http://www.iamsie.org/ammt/committees.htm>

Member in Program Committee la European Intelligence and Security Informatics Conference EISIC 2011, September 12-14, 2011, Athens, Greece, The Premier European Conference on Counterterrorism and Criminology, <http://www.eisic.eu/committee.aspx>

Member in Program Committee la International Symposium on Open Source Intelligence & Web Mining 2011, OSINT-WM 2011 **in Conjunction with (European ISI 2011)**, 12-14 September, 2011, Athens, Greece,

<http://www.osint-wm.org/organization.html>

Member in Program Committee la KES'2011, 15th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems, 15th Annual KES Conference, Kaiserslautern, Germany, 12-14 September 2011, <http://kes2011.kesinternational.org/cmsIPCdisplay.php>

Member in Scientific Committee la MedDecSup 2011 (International Workshop on Next Generation Intelligent Medical Decision Support Systems), 18-19 September 2011, Tg. Mures, Romania,

[http://ncscs.upm.ro/scientific\\_committee.html](http://ncscs.upm.ro/scientific_committee.html)

Member in Program Committee la FEDERATED CONFERENCE ON COMPUTER SCIENCE AND INFORMATION SYSTEMS, FedCSIS 2011, **Szczecin, Poland, 18 -21 September, 2011**,

<http://www.fedcsis.org/?q=node/13>

Member in Technical Program Committee la VECIMS 2011 IEEE International Conference on Virtual Environments, Human-Computer Interfaces and Measurement Systems, Taranto, Italy, 19-21 September 2011,

<http://vecims2011.ieee-ims.org/vecims2011/2011/organizers>

Member in International Program Committee la 6th International Symposium Advances in Artificial Intelligence and Applications - AAIA'11, Szczecin, Poland, September 19-21, 2011

Celebrating 65th Birthday of Professor Bohdan Macukow, [www.aaia.fedcsis.org](http://www.aaia.fedcsis.org)

Member in International Program Committee la WISP 2011, IEEE International symposium on Intelligent Signal Processing, 19-21 September, Floriana, Malta, <http://www.trivent.hu/WISP2011/>

Member in Program Committee la INC 2011, 7th International Conference on Networked Computing, September 26-28, Gumi, Korea, [http://www.humanpub.org/inc/scientific\\_members.html](http://www.humanpub.org/inc/scientific_members.html)

Member in International Program Committee la NASTEC'2011, September 28-30, 2011, Rensselaer Polytechnic Institute, Troy, USA, <http://www.eurosis.org/cms/index.php?q=node/1799>

Member in International Program Committee la 2011 IEEE International Conference on Systems, Man, and Cybernetics, IEEE SMC 2011, October 9-12, 2011, Anchorage, Alaska, <http://www.smc2011.org/> ,

<http://sites.google.com/site/smc2011v/committees>

Member in Program Committee la ICMA 2011, 3rd International Conference on Data Mining and Intelligent Information Technology Applications, October 24 - 26, 2011, Macao, China,

[http://www.humanpub.org/icmia/scientific\\_members.html](http://www.humanpub.org/icmia/scientific_members.html)

Member in Program Committee la NASNIT 2011, 16th North-East Asia Symposium on Nano, Information Technology and Reliability, October 24 - 26, 2011, Macao, China,

[http://www.seita.or.kr/nasnit/scientific\\_members.html](http://www.seita.or.kr/nasnit/scientific_members.html)

Member in Program Committee la NISS 2011, 5<sup>th</sup> International Conference on New Trends in Information Science and Service Science, October 24-26, 2011, Macao, China,

<http://www.humanpub.org/niss/cfp.html>

Member in Technical Program Committee la 4th International Conference on Emerging Trends in Engineering & Technology - ICETET-11, November 18-20, 2011, Mauritius,

[http://www.icetet.org/prog\\_committee.html](http://www.icetet.org/prog_committee.html)

Member in Program Committee la 2nd Annual International Conference on Software Engineering- SE 2011, Special Track: Nanotechnology Software Tools (NST 2011), December 5-6 2011, Singapore, <http://www.softwareng.org/Committee.html>

Member in International Committee la International Conference on Advances of Information & Communication Technology in Health Care – ICTHC 2011, Dec 15-16, 2011, Jakarta, Indonesia,

<http://icthc.theides.org/2011/index.htm>

Member in Academic Community ICGST, International Conference on Computer Science and Engineering CSE-11, 19 - 21 December 2011, Istanbul, Turkey, <http://www.icgst.com/con11/cse11/index.html>,

<http://www.icgst-amc.com/institute/Community.aspx?InstId=3>

Member in Program Committee to 2012 International Conference in Green and Ubiquitous Technology (Green- Ubiquitous Tech, **GUT-2012**), 8-9 Martie 2012, Jakarta, Indonesia, <http://www.gut-conf.org/index.htm>

Membra in Program Committee la The 23rd Midwest Artificial Intelligence and Cognitive Science Conference, **MAICS 2012**, School of Computing Sciences and Informatics, University of Cincinnati on April 21-22, 2012,

<http://maics.org>

Member in Technical Program Committee to Workshop on Intelligent Decision Support Systems for Crisis Management, May 8-12, 2012, Băile Felix, Oradea, Romania, under the umbrella of the **ICCCC 2012**, <http://icccc.univagora.ro/>

Member in International Program Committee to **KES IDT 2012**, Gifu, Japan, 23-25 May 2012, <http://idt-12.kesinternational.org/cmsIPCdisplay.php>

Member in International Program Committee to **SACI 2012**, IEEE 7<sup>th</sup> International Symposium on Applied Computational Intelligence and Informatics, May 24-26, 2012 in Timisora, Romania, <http://conf.uni-obuda.hu/saci2012/committees.htm>, [http://conf.uni-obuda.hu/saci2012/SACI2012\\_CFP.pdf](http://conf.uni-obuda.hu/saci2012/SACI2012_CFP.pdf)

Member in Program Committee to 9th International Conference on Fuzzy Systems and Knowledge Discovery, **FSKD 2012**, 29-31 May 2012, Chongqing, China, [http://icnc-fskd.cqupt.edu.cn/program\\_committees.htm](http://icnc-fskd.cqupt.edu.cn/program_committees.htm)

Member in International Conference on Advances in Signal Processing and Communication – **SPC**, organized by ACEEE USA Section, June 07-08, 2012 in Amsterdam, Netherlands, <http://spc.theides.org/2012/comm.htm>

Member in Program Committee to Special Session on Soft Data Analysis based Knowledge Discovery, **FUZZ-IEEE'2012**, at **WCCI'2012**, Brisbane, Australia, June 10-15, 2012, <http://www.risk.tsukuba.ac.jp/~mika/WCCI2012.html>

Member in International Scientific Committee to **ISAR** International E-Conference on Control Systems, Robotics and Automation, June 11 - 15, 2012, <http://www.internationalsar.org/call2.html>

Member in International Program Committee to IEEE 16th International Conference on Intelligent Engineering Systems 2012, **INES 2012**, 13-15 June 2012, Costa de Caparica, Lisboa, Portugal, <http://www.ines-conf.org/ines-conf/2012committees.htm>

Member in International Program Committee to 6th IEEE International Conference on Digital Ecosystems Technologies- Complex Environment Engineering, **IEEE DEST-CEE 2012**, Campione d'Italia, Italy, 18-20 June 2012, <http://sesar.dti.unimi.it/DEST2012/index.php/program-committee>

Member in Program Committee to The Second Symposium on Data-Drive Process Discovery and Analysis, **SIMPADA**, Lugano Lake, Campione d'Italia, 18<sup>th</sup> to 20<sup>th</sup> of June, 2012, <http://sesar.dti.unimi.it/SIMPADA2012/index.php?pagina=pc>

Member in International Program Committee to World Automation Congress, **WAC**, 2012 9<sup>th</sup> International Symposium on Soft Computing for Industry, **ISSCI 2012**, June 24-28 2012, Puerto Vallarta, MEXICO. <http://wacong.org>

Member in Program Committee to International conference in Healthcare Informatics and Biomedical Engineering Systems, **HIBES 2012**, Bandung Indonesia, 29-30 June, 2012, <http://www.hibes.org/committee.html>

Member in International Scientific Committee to ISAR International E-Conference on Control Systems, Robotics and Automation, **June 11-15, 2012**, <http://www.internationalsar.org/call2.html>

Member in Program Committee to **ICIS2012**, June 26 - 28, 2012, Jeju Island, Korea, 5th International Conference on Interaction Sciences: IT, Human and Digital Content, [http://www.aicit.org/icis/home/scientific\\_members.html](http://www.aicit.org/icis/home/scientific_members.html)

Member in Technical Program Committee to **VECIMS 2012** IEEE International Conference on Virtual Environments Human-Computer Interfaces and Measurement Systems, 2-4 July, Tianjin, China, <http://vecims2012.ieee-ims.org/vecims2012/2012/organizers>

Member in Scientific Committee to **MedDecSup 2012** (International Workshop on Next Generation Intelligent Medical Decision Support Systems), 10-11 July, Sofia, Bulgaria, <http://rcvt.tu-sofia.bg/meddecsup2012/index.html>

Member in Committee to The 4<sup>th</sup> International Conference on Networking and Digital Society, **ICNDS 2012**, 21-22 July, 2012, Guiyang, China, <http://www.icnds.org/committees.htm>

Member in International Program Committee to The Six Global Conference on Power, Control and Optimization - **PCO'2012** in Las Vegas, Nevada, USA, 6-8th August 2012, <http://www.pcoglobal.com/committee.htm>

Member in Program Committee to 31<sup>st</sup> **NAFIPS 2012** conference, 6-8 August, 2012, Berkeley, USA, <http://www.ualberta.ca/~reformat/nafips2012/index.html>

Member in International Program Committee to **NASTEC 2012**, August 16-18, 2012, Digipen Institute of Technology, Redmond, USA, <http://www.eurosis.org/cms/index.php?q=node/2090>

Member in Scientific Committee to 12th WSEAS International Conference on APPLIED INFORMATICS AND COMMUNICATIONS, **AIC '12**, Istanbul, Turkey, August 21-23, 2012, <http://www.wseas.org/wseas/cms.action?id=1458>

Member in Committees to The 2012 International Conference on Electronic Engineering and Information Engineering **ICEI 2012**, Bandung, Indonesia, 22-23 August, 2012, <http://icei-conf.org/committees.html>

Member in International Program Committee to **European Intelligence and Security Informatics Conference (EISIC) 2012** August 22-24, 2012, Odense, Denmark, The Premier European Conference on Counterterrorism and Criminology, <http://www.eisic.eu/committee.aspx>

Member in Program Committee to 8th **ICCNT: 2012** International Conference on Computing and Networking Technology (8th INC, 2nd ICCIS and 2nd ICMIC), August 27 - 29, 2012. Gyeongju, Korea,

[http://www.aicit.org/icent/home/scientific\\_members.html](http://www.aicit.org/icent/home/scientific_members.html)

Member in Program Committee to International Symposium on Foundation of Open Source Intelligence and Security Informatics, **FOSINT-SI 2012**, in conjunction with **ASONAM 2012**, Istanbul, Turkey, August 27-28, 2012, <http://uekae.tubitak.gov.tr/FOSINT-SI2012/organization.htm>

Member in International Program Committee to Third International Conference on Emerging Security Technologies **EST 2012**, September 5-7, 2012, Lisbon, Portugal, <http://www.est-2012.info/committees.htm>

Member in Scientific Committee to 5th WSEAS International Conference on SENSORS and SIGNALS, **SENSIG '12**, Sliema, Malta, September 7-9, 2012, <http://www.wseas.org/wseas/cms.action?id=1528>

Member in Program Committee to 3rd IIAI International Conference on e-Services and Knowledge Management, **IIAI ESKM 2012**, September 20-22, 2012, Fukuoka, Japan Kyushu University, <http://aai2012.iaiai.org/eskm2012/pc.html>

Member in Scientific Committee to 12th WSEAS International Conference on ELECTRIC POWER SYSTEMS, HIGH VOLTAGES, ELECTRIC MACHINES, **POWER '12**, Prague, Czech Republic, September 24-26, 2012, <http://www.wseas.org/wseas/cms.action?id=1200>

Member in Scientific Committee to 8th WSEAS International Conference on REMOTE SENSING, **REMOTE '12**, Prague, Czech Republic, September 24-26, 2012, <http://www.wseas.org/wseas/cms.action?id=1228>

Member in Organizing Committee to World Congress on Forensic Research & Technology, Utilizing Science and Technology for Peace and Justice, October 15-17, 2012, Chicago, USA, <http://www.omicsgroup.com/forensicrosearch2012/committee.php>

Member in Scientific Committee to 3rd International Conference on APPLIED INFORMATICS and COMPUTING THEORY, **AICT '12**, Barcelona, Spain, October 17-19, 2012, <http://www.ieee.am/wseas/cms.action?id=709>

Member in Scientific Expert Committee to "**Industrial Engineering and Environmental Protection**", 31. October 2012, University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia, [http://www.tfzr.uns.ac.rs/ieep/scientific\\_committee.php](http://www.tfzr.uns.ac.rs/ieep/scientific_committee.php)

Member in International Advisory Board to **ICETET-2012**, 5<sup>th</sup> International Conference on Emerging trends in Engineering and Technology, 5-7 November 2012, Himeji, Japan, <http://www.icetet.org/>

Member in Scientific Committee to **1st WSEAS International Conference on CLOUD COMPUTING (CLC '12)**, Vienna, Austria, November 10-12, 2012, <http://www.wseas.org/wseas/cms.action?id=1142>

Member in Scientific Committee to 1st WSEAS International Conference on INFORMATION TECHNOLOGY and COMPUTER NETWORKS, **ITCN '12**, Vienna, Austria, November 10-12, 2012, <http://www.wseas.org/wseas/cms.action?id=471>

Member in Program Committee to 3rd Annual International Conference on Software Engineering & Applications (**SEA 2012**), Nanotechnology Software Tools (NST 2012), 19 - 20 November 2012, Singapore, <http://www.softwareeng.org/Committee.html>

Member in Scientific Committee to European Conference of COMPUTER SCIENCE, **ECCS'12**, Paris, France, December 2-4, 2012, <http://www.naun.org/wseas/cms.action?id=913>

Member in Scientific Committee to 3rd International Conference on COMMUNICATION and MANAGEMENT in TECHNOLOGICAL INNOVATION and ACADEMIC GLOBALIZATION, **COMATIA '12**, Paris, France, December 2-4, 2012, <http://www.ieee.am/wseas/cms.action?id=1004>

Member in Scientific Committee to European Conference of CIRCUITS TECHNOLOGY AND DEVICES, **ECCTD '12**, Paris, France, December 2-4, 2012, <http://www.naun.org/wseas/cms.action?id=827>

Member in Program Committee to 7th **ICCCT: 2012** International Conference on Computing and Convergence Technology (7th ICCIT, 3rd ICEI and 3rd ICACT), December 3 - 5, 2012. Seoul, Korea, [http://www.aicit.org/icct/home/scientific\\_members.html](http://www.aicit.org/icct/home/scientific_members.html)

Member in International Advisory Committee to International Conference on Artificial Intelligence and Soft Computing **AISC-2012**, 7th - 9th December 2012, Varanasi, India, <http://itbhu.ac.in/cse/notification/brochure%20aisc.pdf>

Member in Team of The Center for Applied Social Sciences Research to International Conference on Advances in Management and Economics, **ICAME-2012**, Kuala Lumpur (Malaysia) Between December 08 and 09, 2012, <http://www.cassr.com/team>

Member in Program Committee to The first International Conference on Advanced Machine Learning Technologies and Applications, **AMLT12**, Cairo, Egypt December 8-10, 2012, <http://www.egyptscience.net/AMLT12/>

Member in International Committee to Second International Conference on Advances of Information & Communication Technology in Health Care – **ICTHC 2012**, Dec 13-14, 2012; Jakarta, Indonesia, <http://icthc.theides.org/2012/comm.htm>

Member in Editorial Committee to International Conference on Digital Contents and Applications **DCA 2012**, December 16-19, 2012, Kangwondo, Korea, <http://www.sersc.org/DCA2012/index.php>

Member in Scientific Committee to 3rd International Conference on Automotive and Transportation Systems, **ICAT '12**, Montreux, Switzerland, December 29-31, 2012, <http://www.naun.org/wseas/cms.action?id=773>

Member in International Advisory Committee la First International Conference on Instrumentation, Communication, Control and Automation – **ICICCA 2013**, Kalasalingam University, Kalasalingam Academy of Research and Education, Tamil Nadu, INDIA, 4<sup>th</sup> -5<sup>th</sup> January 2013, [http://icicca2013.in/s\\_com.php](http://icicca2013.in/s_com.php)

Member in International Advisory Committee la International Conference on Computer Communication and Informatics, **ICCCI 2013**, 9-11 January 2013, Coimbatore, India, [http://srishakthiinstitute.com/siet\\_iccci/index.php/sample-page/international-advisory-committee/](http://srishakthiinstitute.com/siet_iccci/index.php/sample-page/international-advisory-committee/), [http://srishakthiinstitute.com/iccci/wp-content/uploads/2012/06/ICCCI\\_2013\\_poster.pdf](http://srishakthiinstitute.com/iccci/wp-content/uploads/2012/06/ICCCI_2013_poster.pdf)

Member in Scientific Committee la 7th WSEAS International Conference on CIRCUITS, SYSTEMS, SIGNAL and TELECOMMUNICATIONS, **CSST '13**, Milan, Italy, January 9-11, 2013, <http://www.wseas.org/wseas/cms.action?id=329>

Member in International Committee la 1<sup>st</sup> International Conference on Advance in Soft Computing and Vision Sciences, **ICASCVS 2013**, 2<sup>nd</sup> February, 2013, Puri, India, [http://www.irdindia.in/ICASCVS\\_Puri\\_Feb/Programme%20Committee.html](http://www.irdindia.in/ICASCVS_Puri_Feb/Programme%20Committee.html)

Member in International Committee la 1<sup>st</sup> International Conference on Instrumentation Communication, Control and Automation, **ICICCA 2013**, 17<sup>th</sup>February, 2013, Nagpur, India, [http://www.irdindia.in/ICICCA\\_Nagpur\\_Feb/Programme%20Committee.html](http://www.irdindia.in/ICICCA_Nagpur_Feb/Programme%20Committee.html)

Member in International Advisory Committee la INTERNATIONAL CONFERENCE On INFORMATION, COMMUNICATION & EMBEDDED SYSTEMS, "**ICICES 2013**", 21 and 22 February, 2013, Chennai, Tamilnadu, India,

Member in International Committee la 1<sup>st</sup> International Conference on Metallurgical, Manufacturing and Mechanical Engineering, **ICMME 2013**, 24 February 2013, Bangalore, India, [http://irdindia.in/ICMME\\_Bangalore\\_Feb/Programme%20Committee.html](http://irdindia.in/ICMME_Bangalore_Feb/Programme%20Committee.html)

Member in International Committee la 1<sup>st</sup> International Conference on Information and Industrial Electronics, **ICIE 2013**, 24<sup>th</sup>February, 2013, Chennai, India, [http://www.irdindia.in/ICIE\\_Chennai\\_Feb/Programme%20Committee.html](http://www.irdindia.in/ICIE_Chennai_Feb/Programme%20Committee.html)

Member in Technical Advisory Committee la Second International Conference on Intelligent Interactive Technologies and Multimedia **IITM-2013**, Allahabad, March 9-11, 2013, India, [http://iitm.iita.ac.in/committee\\_new.htm](http://iitm.iita.ac.in/committee_new.htm)

Member in International Committee Members la 1<sup>st</sup> International Conferene on Mechanics, Simulation and Control (**ICMSC 2013**), 24th March, 2013, Bangalore, India, [http://www.itsocietyindia.org/Upcoming%20Conf.%20Chapter/Bangalore/ICMSC\\_Bangalore\\_Mar/Editorial%20Board.html](http://www.itsocietyindia.org/Upcoming%20Conf.%20Chapter/Bangalore/ICMSC_Bangalore_Mar/Editorial%20Board.html)

Member in International Committee Members 1<sup>st</sup> International Conference on Recent Trends in Engineering & Technology (**ICRTET 2013**), 24th March, 2013, [http://www.itsocietyindia.org/Upcoming%20Conf.%20Chapter/Bangalore/ICRTET\\_Bangalore\\_Mar/Editorial%20Board.html](http://www.itsocietyindia.org/Upcoming%20Conf.%20Chapter/Bangalore/ICRTET_Bangalore_Mar/Editorial%20Board.html)

Member in Program Committee la World **CIST'13** The 2013 World Conference on Information Systems and Technologies, March 27 - 30, Algarve, Portugal, <http://www.aisti.eu/worldcist13/>

Member in International Program Committee la 1<sup>st</sup> International Conference on Advances in Computer and Information Technology **ICACIT 2013**, 31st March, 2013, Goa, India, [http://www.itsocietyindia.org/Upcoming%20Conf.%20Chapter/Goa/ICACIT\\_Goa\\_Mar/Editorial%20Board.html](http://www.itsocietyindia.org/Upcoming%20Conf.%20Chapter/Goa/ICACIT_Goa_Mar/Editorial%20Board.html)

Member in International Committee Member la 1<sup>st</sup> International Conference on Mechanical and Production Engineering, **ICMPE 2013**, 14th April, 2013, Chennai, [http://itsocietyindia.org/Upcoming%20Conf.%20Chapter/Chennai/ICMPE\\_Chennai\\_Apr/Editorial%20Board.html](http://itsocietyindia.org/Upcoming%20Conf.%20Chapter/Chennai/ICMPE_Chennai_Apr/Editorial%20Board.html)

Member in Program Committee la IEEE Symposium on Foundations of Computational Intelligence **FOCI 2013**, affiliated to [IEEE SSCI 2013](http://www.matap.uma.es/foci2013/Main.html) , Singapore, April 15 – 19, 2013, <http://www.matap.uma.es/foci2013/Main.html>

Member in Program Committee la 2013 IEEE Symposium Series on Computational Intelligence (IEEE SSCI 2013), Workshop on Robotic Intelligence in Informationally Structured Space, Singapore, April 15-19, 2013, [http://www.ntu.edu.sg/home/epsugan/index\\_files/SSCI2013/index.html](http://www.ntu.edu.sg/home/epsugan/index_files/SSCI2013/index.html),

Member in International Committee Members la 2<sup>nd</sup> International Conference on Electronics Engineering and Grid System (**ICEEGS 2013**), 21<sup>st</sup> April, 2013, Mumbai, India, [http://irdindiaoj.in/ICEEGS\\_Mumbai\\_Apr/Programme%20Committee.html#](http://irdindiaoj.in/ICEEGS_Mumbai_Apr/Programme%20Committee.html#)

Member in Academic Committee la the third International Conference on Recent Advances in Railway Engineering, **ICRARE2013**, Iran University of Science and Technology, April 30, May 01, 2013, Tehran, Iran, <http://icrare2013.iust.ac.ir/>

Member in Technical Program Committee la IEEE International Symposium on Medical Measurements and Applications, **MeMeA 2013**, 4-5 Mai, 2013, Gatineau, Quebec, Canada, <http://memea2013.ieee-ims.org/memea2013/2013/organizers>



Member in International Program Committee la The 2013 International Conference on Control, Decision and Information Technologies, **CoDIT'13**, May 6-8, 2013, Hammamet, Tunisia, [http://www.hypersciences.org/codit13/index.php?option=com\\_content&view=article&id=27&Itemid=53](http://www.hypersciences.org/codit13/index.php?option=com_content&view=article&id=27&Itemid=53)

Member in Scientific Committee la 1st WSEAS International Conference on MECHANICAL and ROBOTICS ENGINEERING, **MREN '13**, Vouliagmeni, Athens, Greece May 14-16, 2013, <http://www.wseas.org/wseas/cms.action?id=2628>

Member in International Advisory Board la IEEE 8<sup>th</sup> International Symposium on Applied Computational Intelligence and Informatics, **SACI 2013**, May 23-25, 2013, Timisoara, Romania, <http://conf.uni-obuda.hu/saci2013/committees.htm>

Member in IPC la The 12th International Conference on Engineering of Modern Electric Systems - EMES'13 Oradea, <http://electroinf.uoradea.ro/index.php/conferinte/emes-2013/sesiuni/23-cercetare/conferin%C5%A3e/48-sesiunea-cscs.html>

Member in International Committee la Second International Conference on Advances in Signal Processing and Communication – SPC, organized by ACEEE, **SPC 2013**, June 21-22, 2013, Lucknow, INDIA, <http://spc.theides.org/2013/index.htm>

Member in IPC la **SHUSER 2013**, IEEE Symposium on Humanities, Science and Engineering 2013 will be held in Parkroyal Penang Resort Hotel, Penang World Heritage City, Malaysia on 23 – 26 June 2013.

Member In Program Committee la IFSA World Congress – **IFSA-NAFIPS 2013**, 24-28 June, Edmonton, Canada, <http://www.ualberta.ca/~reformat/ifsa2013/committees.html>

Member in International Program Committee la **KES IDT 2013**, *5th International Conference on Intelligent Decision Technologies*, Sesimbra, Portugal, 26-28 June 2013, <http://idt-13.kesinternational.org/cmsIPCdisplay.php>

Member in Steering Committee la International Conference on Machines and Control System Designs, ICMCSD'13, June 27- 28, 29, 2013, Jughourta Hotel, Gafsa-TUNISIA, <http://www.icmcsd-13.com/index.php?var=7>

Member in International Program Committee la 2013 IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications, **CIVEMSA 2013**, 15-17 July, Milan, Italy, <http://civemsa2013.ieee-ims.org/civemsa-2013/organizers>

Member in Technical Review Committee for **SCORED 2012** (2012 IEEE Student Conference on Research and Development).

Member in Program Committee la The 5<sup>th</sup> International Conference on Networking and Digital Society, Guiyang, China during July 21-22, 2013, <http://www.icnds.org/committees.htm> .

Member in Program Committee la 7th IEEE International Conference on Digital Ecosystems and Technologies Special Theme - Complex Environment Engineering, **IEEE DEST 2013**, 24-26 July 2013 – Stanford, California, USA, <http://dest2013.digital-ecology.org/index.php/organising-committee>

Member in TPC la International Symposium on Women in Computing and Informatics, **WCI-2013**, August 23-24, 2013, Mysore, India, <http://icacci-conference.org/site/wci2013>

Member in IPC la the 2<sup>nd</sup> International Conference on Advances in Computing, Communication and Informatics, **ICACCI-2013**, 22-25 August 2013, Mysore, India, <http://icacci-conference.org/site/pcc>

Member in Technical Program Committee la International Symposium on Control, Automation, Industrial Informatics and Smart Grid, **ICAIS 2013**, 24-25 August, Mysore, India, <http://icacci-conference.org/site/icais2013-committee>

Member in Program Committee la International Symposium on Foundations of Open Source Intelligence and Security Informatics **FOSINT-SI 2013**, In conjunction with **ASONAM 2013**, Niagara Falls, Canada, August 26-27, 2013, <http://fosint-si.cpsc.ucalgary.ca/Organization.php>

Member in Program Committee la IIAI International Conference on Advanced Applied Informatics (IAI AAI 2013), August 31 - September 4, 2013, Matsue, Japan, Kunibiki Messe, <http://aai2013.iaiai.org/>

Member in Program Committee la Track 3: FUZZY SYSTEMS AND KNOWLEDGE MANAGEMENT de la 5-th INTERNATIONAL CONFERENCE ON INTELLIGENT NETWORKING AND COLLABORATIVE SYSTEMS, **INCoS-2013**, XI'AN, CHINA SEPTEMBER 9 - 11, 2013, <http://voyager.ce.fit.ac.jp/conf/incos/2013/committees.html>

Member in International Program Committee la 8th International International Symposium on Intelligent Signal Processing, **WISP 2013** Funchal (Madeira), 9-11 September 2013, <http://trivent.hu/WISP2013/index.php?p=chairs>

Member in Program Committee la The 8th conference of the [European Society for Fuzzy Logic and Technology](http://www.ir.disco.unimib.it/eusflat2013/committees/), **EUSFLAT-2013**, 11-13 September 2013, Milano, Italy, <http://www.ir.disco.unimib.it/eusflat2013/committees/>

Member in Program Committee la 8th International Conference on Soft Computing Models in Industrial and Environmental Applications, **SOCO13**, 11-13 September 2013, Salamanca, Spain, <http://soco.usal.es/?q=node/3>

Member in Program Committee la 5<sup>th</sup> ICT Innovations Conference 2013, Ohrid, Macedonia, 12-15 Septembrie 2013, <http://ict-act.org/index.php/programme-committee>



Member in Technical Committee la THE 4<sup>th</sup> INTERNATIONAL CONFERENCE CONFLUENCE 2013, The Next Generation Information Technology Summit, 26th - 27th Sept. 2013, Amity University Uttar Pradesh, India, <http://www.amity.edu/asetau/confluence2013/committees.html>

Member in Program Committee la The 2013 IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT'13) will be co-located with WI'2013 and will be held in Atlanta, Georgia, USA on November 17-20, 2013, <http://www.cs.gsu.edu/wic2013/>

Member in Scientific Program Committee la **WILF 2013** 10th International Workshop on Fuzzy Logic and Applications, Casa Paganini - Genoa (Italy) - November 19-22, 2013 <https://sites.google.com/site/2013wilf/>

Member in Advisory Committee la World Congress & 6<sup>th</sup> International Conference on Emerging Trends in Engineering & Technology, **ICETET 2013**, December 5-7, 2013, Nagpur, India.

Member in International Advisory Committee la 8<sup>th</sup> International Conference on Intelligent Systems and Control Theme: Green Challenges and Smart Solutions, ISCO 2014, 10-11 January 2014, Coimbatore, Tamilnadu, India, <http://www.kceisco.com/committeemembers.php>

Member in International Advisory Board la International Conference on Interdisciplinary Research in Engineering, Management, Pharmacy and Sciences (ICIREMPS) – 2014, 20 – 22, February 2014, Bhopal, India, [http://sirtbhopal.ac.in/iciremps/int\\_adv\\_board.html](http://sirtbhopal.ac.in/iciremps/int_adv_board.html)

Member in International Technical Committee la International Conference on Research&Development in Computational and Information Technology, ICRDCIT-2014, 7-8 March 2014, Gaizabad, India, <http://www.icrdcit14.in/international-technical-committee.html>

Member in Technical Program Committee la The first International Symposium on Signal Processing and Intelligent Recognition Systems SIRS-2014, March 13-15, 2014, Thiruvananthapuram, Kerala, India, <http://www.iiitm.ac.in/sirs/ipc.html>

Member in Advisory Committee la INTERNATIONAL CONFERENCE 2014 POWER AND ENERGY SYSTEMS: TOWARDS SUSTAINABLE ENERGY (PESTSE 2014), Martie 13-15, 2014, Amrita School of Engineering, Bangalore, India, <http://www.eventm.net/pestse2014/ADVISORY%20COMMITTEE?clid=18&parent=2>

Member in International Advisory Committee la International Conference On Recent Trends in Engineering and Management Science (RTEM 2014), 20th April, 2014, Nagpur, India, <http://icemnagpur.co.in/Brochure.pdf>

Member in International Advisory Committee la International conference On Applications of Artificial Intelligence and Soft Computing, Techniques in Engineering and Technology (AASTE-2014), 27th April, 2014, Goa, India, <http://aaste.bigdataforum.in/Brochure.pdf>

Member in International Advisory Committee la International Conference on Advances in Computing, Communications and Informatics(ICACCI 2014), 30<sup>th</sup> April, 2014, Chennai, India, [http://irdindia.in/apr\\_chennai14\\_icacci/brochure.pdf](http://irdindia.in/apr_chennai14_icacci/brochure.pdf)

Member in International Advisory Committee la International Conference on Advanced Electrical Engineering and Computer Theory – ICAEECT – 2014, 4<sup>th</sup> May 2014, Ooty, Tamilnadu, India, <http://icaeect.co.in/Brochure.pdf>

Member in International Advisory Committee la IEEE International Symposium on Applied Computational Intelligence and Informatics, SACI 2014, 15-17 May 2014, Timisoara, Romania, [http://conf.uni-obuda.hu/saci2014/SACI2014\\_CFP.pdf](http://conf.uni-obuda.hu/saci2014/SACI2014_CFP.pdf)

Member in International Advisory Committee la International Conference on Electrical, Electronics and Computer Science Engineering (ICEECSE-2014) 2th May, 2014, Pune, India, [http://itsocietyindia.org/Pune\\_ICEECSE\\_May/Brochure.pdf](http://itsocietyindia.org/Pune_ICEECSE_May/Brochure.pdf)

Member in Program Committee la INISTA 2014 International Symposium on INnovations in Intelligent SysTems and Applications June 23-25, 2014, Alberobello, Italy, <http://www.inista.org/committees.php>

Member in Technical Program Committee la 18<sup>th</sup> International Conference on Intelligent Engineering Systems 2014, INES 2014, July 3-5, 2014 in Tihany, Hungary, <http://www.ines-conf.org/ines-conf/2014.html>

Member in Program Committee la WCCI – World Congress on Computational Intelligence, 2014 IEEE International Conference on Fuzzy Systems, FUZZ-IEEE 2014, 6-11 July 2014, Beijing, China, <http://www.ieee-wcci2014.org/FUZZ-IEEE%20Program%20Commitee.htm>

Member in Committee la 6th International Conference on Networking and Digital Society, ICNDS 2014, July 26-27, 2014, Guiyang, China,

Member in Technical Program Committee la 2nd World Congress on Multimedia and Computer Science WCMCS 2014, 9-11 August, Hammamet, Tunisia, <http://worldcmcs.com/OrgCommittees.php>

Member in Technical Committee la **SAI Conference 2014**, Science and Information Conference 2014, August 27-29, 2014, London, UK, <http://thesai.org/SAIConference2014/Committees>

Member in Technical Program Committee la International Conference on Industrial Automation, Information and Communication Technology, IAICT, 28-30 August 2014, Bali, Indonesia, <http://iaict.org/organizer/comittee/>

Member in Technical Program Committee la Science and Information Conference SAI 2014, 27-27 August

2014, London, UK, <http://thesai.org/Downloads/SAIConference2014/SAI%20Conference%20Program.pdf>

Member in Program Committee la 3<sup>rd</sup> International Conference on Advances in Computing, Communications and Informatics, ICACCI-2014, Delhi, India, September 24-27, 2014, <http://icacci-conference.org/website/pc>

Member in Program Committee la Second International Symposium on Women in Computing Informatics, WCI 2014, Delhi, India, September 24-27, 2014, Delhi, India, September 24-27, 2014, [http://icacci-conference.org/website/sites/default/files/WCI\\_2014-cfp\\_for\\_web.pdf](http://icacci-conference.org/website/sites/default/files/WCI_2014-cfp_for_web.pdf)

Member in Comitetul Stiintific la *Les Actions de Coopérations Internationales pour l'Enseignement et la Recherche en Génie Beyrouth, CONF 2014, Liban - 16 à 18 Octobre 2014*, <http://citef.org/comite-scientifique-2>

Member in Program Committee la 1st International Conference on Future RFID Technologies and host the Workshop on Smart Applications for Smart Cities Eger, Hungary, 6-7 November, 2014, <http://furerfid.ektf.hu/>

Member in International Committee la IEEE International Conference on Tools with Artificial Intelligence, ICTAI 2014, 10-12 November 2014, Limassol, Cyprus, <http://ictai2014.cs.ucy.ac.cy/index.php?p=ProgramCommittees>

Member in Technical Program Committee la International Conference of Contemporary Computing and Informatics, 27-29 November 2014, Mysore, Karnataka, India, <http://ic3i.org/tpc.html>

Member in Steering Committee la 2014 IEEE 17th International Multi Topic Conference (INMIC 2014), 8-10 December 2014, Karachi, Pakistan,

[http://iee.inmic.org/index.php?option=com\\_content&view=article&id=91&Itemid=70](http://iee.inmic.org/index.php?option=com_content&view=article&id=91&Itemid=70)

Member in Technical and Scientific Committee la Retcomp 2015, Recent & Emerging Trends in Computer & Computational Sciences, 8-10<sup>th</sup> January, 2015, Bangalore, India, <http://retcomp15.pessecam.org/committee/>

Member in Technical Program Committee la Conference Research and Fuzziology, January 29-31, 2015, Shanghai, China, <http://www.scirp.org/Conference/OrganizingCommittee.aspx?ConferenceID=71>

International Collaboration Committee Chair to IEEE INTERNATIONAL CONFERENCE ON COMPUTATIONAL INTELLIGENCE & COMMUNICATION TECHNOLOGY, 13-14 February 2015, ABES Engineering College, Ghaziabad, India, [http://www.ieeekerala.org/wp-content/uploads/2014/08/Call-for-paper\\_IEEE-CICT-2015.pdf](http://www.ieeekerala.org/wp-content/uploads/2014/08/Call-for-paper_IEEE-CICT-2015.pdf)

Member in International Advisory Committee la International Conference on Recent Research on Computing, Communications & Informatics (ICRCCI-2015), 27-28 February 2015, in Dr. Virendra Swarup Group of Institutions, Unnao, Uttarpradesh Pradesh, India, [http://icrrcci.com/?page\\_id=38](http://icrrcci.com/?page_id=38)

Member in Technical Committee la Third International Conference on Recent Trends in Computing (ICRTC2015) in SRM University, Delhi-NCR Campus on 12th - 13th March, 2015, <http://www.icrtc.org/Committee.html>

Member in International Program Committee la International Conference on Recent Trends in Technology Research – **ICRTR 2015**, March 21-22, 2015, Visakhapatnam, India, <http://ictrtr.in/committees/>

Member in Advisory Committee la International Conference on Computational Intelligence 2015 (ICCI 2015), 9-10 April 2015, Sethu Institute of Technology, Kariapatti, Virudhunagar Dt. , Tamilnadu, India, <http://sethu.ac.in/icci/committee.html>

Member in Technical Program Committee la The First International Conference on Big Data, Small Data, Linked Data and Open Data, ALLDATA 2015, April 19 - 24, 2015 - Barcelona, Spain, <http://www.iaria.org/conferences2015/ComALLDATA15.html>

Member in Technical Program Committee la Asia Pacific Conference on Multimedia and Broadcasting, APMediaCast 2015, Bali, Indonesia, 23-25 April 2015, <http://apmediacast.org/committees/>

Member in International Scientific Committee la 3rd International Conference on Control, Engineering & Information Technology CEIT'2015 which will be held in Tlemcen, Algeria, 25-27 May, 2015, <http://lat.univ-tlemcen.dz/ceit2015/committees.php>

Member in Scientific Committee la The 20th International Conference on Control Systems and Computer Science (CSCS20-2015) Bucharest, Romania, May 27-29, 2015, <http://cscs20.acs.pub.ro/committees-2/>

Member in Program Committee la 2ND INTERNATIONAL DOCTORAL SYMPOSIUM ON APPLIED COMPUTATION AND SECURITY SYSTEMS, ACSS 2015, MAY 2015, KOLKATA, INDIA, <http://acss.cucse.org/committee.html>

Member in Technical Program Committee la "The 13<sup>th</sup> International Conference on Engineering of Modern Electric Systems", 11-12 June 2015, in Oradea, Romania, [http://www.icemes.ro/emes\\_15\\_tpc.html](http://www.icemes.ro/emes_15_tpc.html)

Member in International Program Committee la 4th International Conference on Informatics,

Electronics & Vision (ICIEV), 15~18 June, 2015, Kitakyushu International Conference Center, Fukuoka, Japan, <http://cennser.org/ICIEV/committee.html>

Member in Technical Program Committee la The 3<sup>rd</sup> International Symposium on Women in Computing and Informatics (WCI-2015), 10-13 August 2015, Kochi, India, <http://icacci-conference.org/web/wci-committee>

Member in Technical Program Committee la 12th International Conference on Fuzzy Systems and Knowledge Discovery (FSKD'15), 15-17 August 2015 in Zhangjiajie, China, [http://icnc-fskd.hnu.edu.cn/program\\_committees.htm](http://icnc-fskd.hnu.edu.cn/program_committees.htm)

Member in Technical Program Committee la International Conference on Control, Electronics, Renewable Energy, and Communications 2015, ICCEREC 2015, 27-29 August 2015, Bandung Indonesia, [http://iccerec.org/?page\\_id=10](http://iccerec.org/?page_id=10)

Member in Program Committee la 7<sup>th</sup> Balkan Conference in Informatics, BCI 2015, September 2-4, 2015, Craiova, Romania, <http://bci2015.bci-conferences.org/pc.html>

Member in Program Committee la 2015 IEEE International Symposium on Innovations in Intelligent Systems and Applications, September 2-4, 2015, Madrid, Spain, <http://www.inista.org/committees.php>

Member in Technical Program Committee la 19<sup>th</sup> IEEE International Conference on Intelligent Engineering Systems 2015, Bratislava, Slovakia, September 3-5, 2015, [http://www.ines-conf.org/ines-conf/CFP\\_INES2015.pdf](http://www.ines-conf.org/ines-conf/CFP_INES2015.pdf)

Member in Technical Program Committee la the 2015 European Intelligence and Security Informatics Conference (EISIC 2015), September 7-9, 2015, in Manchester, United Kingdom, <http://www.eisic.org/committee.aspx>

Member in International Program Committee la 19th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems, KES 2015, 9-11.09 2015, Singapore, <http://kes2015.kesinternational.org/cmsIPCdisplay.php>

Member in Program Committee la 7<sup>th</sup> ICT Innovations Conference, Ohrid, Macedonia, 1-4 October, <http://ictinnovations.org/ict-innovations-2014/programme-committee>

Member in Program Committee la The Second International Conference on Information Systems for Crisis Response and Management in Mediterranean Countries (ISCRAM-med 2015), Tunis, 28-30 October 2015, Tunisia, <http://www.riadi.rnu.tn/iscrammed2015/programCom.php>

Member in Technical Program Committee la International Conference on Mechanics & Applied Physics, from 05-07 November, Rome, Italy, [http://www.icmaph.org/?page\\_id=757](http://www.icmaph.org/?page_id=757)

Program Area Chair to 27<sup>th</sup> International Conference on Tools with Artificial Intelligence, November 9-11, 2015, Vietri sul Mare, Italy, <https://sites.google.com/site/ictai2015italy/committees>

Member in International Program Committee la International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN 2015), 20-22 November 2015, Kolkata, India, <http://www.icrcicn.in/committee.html>

Member in International Program Committee la 7<sup>th</sup> World Congress on Nature and Biologically Inspired Computing, Pietermaritzburg, South Africa, 1-3 December 2015, <http://www.mirlabs.net/nabic15/committees.php>

Member la 2015 IEEE Symposium Series on Computational Intelligence SSCI, Symposium on Foundations of Computational Intelligence, FOCI'15, IEEE, 7-10 December 2015, Cape Town, South Africa, <http://ieeessci.org.za:8080/FOCI>

Member in Technical Program Committee la 2016 IEEE First International Conference on Control, Measurement and Instrumentation (CMI 2016), January 8-10 2016, Kolkata, India, <https://www.cmi2016india.org/technical-programme-committee.html>

Member in Steering Committee la PESTSE-2016, Biennial International Conference on Power and Energy Systems: Towards Sustainable Energy 2016, 21-23 January 2016. Bangalore, India. <https://www.amrita.edu/site/pestse2016/steeringcomm.htm>

Member in Technical Committee la 2<sup>nd</sup> ICICT 2016 (Sponsored by :IEEE-UP Section) *Second-International Conference on Computational Intelligence and Communication Technology* 12-13 February 2016, ABES Engineering College, Ghaziabad, <http://cict.abes.ac.in/committee.php>

Member in International Advisory Board la the IEEE 11<sup>th</sup> International Symposium on Applied Computational Intelligence and Informatics (SACI 2016), May 12-14, 2016 in Timisoara, Romania, <http://conf.uni-obuda.hu/saci2016/committees.html>

Member in Program Committee la 2016 International Symposium on Innovations in Intelligent Systems and Applications, 2-5 August 2016, Sinaia, Romania, <http://www.inista.org/pc.html>

Member in International Advisory Committee la India International Conference on Information Processing-2016, Delhi, 12-14, August, 2016, <http://dtu.ac.in/iicip-2016/committee.html>

Member in Steering Committee la India International Conference on Information Processing 2016, Delhi, 12-14 August 2016, <http://dtu.ac.in/iicip-2016/committee.html>

Member in International Program Committee la IEEE 8th International Conference on Intelligent Systems: acronym IEEE IS'16, Sofia, Bulgaria, September 4-6, 2016, <http://www.ieee-is.org>

Member in Technical Program Committee la International Conference on Control, Electronics, Renewable Energy, and Communications 2016 (ICCEREC 2016), 13-15 September 2016, Bandung Indonesia,

[http://iccerrec.org/?page\\_id=10](http://iccerrec.org/?page_id=10)

Member in Technical Program Committee la 4th International Conference on Advanced Computing, Networking, and Informatics (ICACNI 2016), 22-24 September 2016, Rourkela, Odisha, India,

<http://www.icacni.com/committee>

Member in Technical Program Committee la SAI Intelligent Systems Conference, 20-22 Septembrie 2016,

Londra, UK, <http://saiconference.com/IntelliSys2016/Committees>

Member in Technical Committee la The International Conference on Engineering & MIS 2016 will take place in Agadir, Morocco, 22-24 September, 2016, <http://www.iares.net/Committee>

Member in International Program Committee la The 2nd International Conference on Advanced Intelligent Systems and Informatics (AISI'16) Cairo Univeristy, Egypt October 24-26, 2016,

<http://egyptscience.net/AISI2016/committees.html>

Member in Technical Program Committee la Future Technology Conference FCT 2016, 6-7 Decembrie 2016, San Francisco, USA, <http://dtu.ac.in/iicip-2016/index.html>

Membra in Advisory Committee la International Conference on Data Science Analytics and Applications (DaSAA 2016), 7-9 Decembrie 2016, Anna University, Chennai, India, <http://www.dasaa.in/AdvisoryC.html>

Membra in Technical Program Committe la International Conference on Opemn Source Systems and Technologies, 15-17 Decembrie, Lahore, Pakistan, [http://icosst.kics.edu.pk/2016/main/tech\\_prog](http://icosst.kics.edu.pk/2016/main/tech_prog)

Technical Program Committee la Sesiunea Modeling, Simulation and Application of Emergent Technologies, 14th International Conference on Frontiers of Information Technology (FIT'16), December 19-21, 2016 at Islamabad, Pakistan, <http://fit.edu.pk/index.php/component/content/article/2-uncategorised/33-contact-us>

International Scientific Committee la ICQCIS 2016: 18th International Conference on Quantum Computation and Intelligent Systems, Dubai, UAE, 27-28 December 2016, <https://www.waset.org/conference/2016/12/dubai/ICQCIS/committees>

Membra in Advisory Committee la International Conference on Data Science Analytics and Applications (DaSAA 2017), 4-6 January 2017, Cennai, India, <http://www.dasaa.in/AdvisoryC.html>

Membra in Technical Program Committee Mathematic track la The Third International Conference on Mathematics and Computing (ICMC 2017) is a premier conference which is being organized during January 17-21, 2017 at Haldia Institute of Technology, India, <http://hithaldia.co.in/icmc2017/prgcommittee.html>

Membra in International Advisory Committee la 3<sup>rd</sup> IEEE International Conference on Computational Intelligence & Communication Technology, 12-13 feb, 2017, Ghaziabad, India, <https://groups.google.com/forum/#!topic/rvceiemstaff/IhkNTTZPESo>

Membra in International Program Committee la International Conference on Imaging, Vision & Pattern Recognition (icIVPR), 13-14 Feb. 2017, University of Dhaka, Dhaka, Bangladesh, <http://cennser.org/icIVPR/committee.html>

Membra in International Advisory Committee la First International Intellectual Convergence on Advances in Science and Engineering, IIASE 2017, 3-4 march 2017, Chenai, India, <http://iiase.in/organizer.html>

Membra in International Advisory Body la 1<sup>st</sup> Conference on Technology, Business & Education (CTBE 2017) March 7-10, 2017, in Quaid-e-Azam Institute of Arts & Sciences (QIAAS Lahore), Pakistan, <http://qiaas.edu.pk/ctbe2017/>

Membra in Advisory Committee la International Conference on Soft Computing Applications in Wireless Communication - SCAWC 2017. March 09-11, 2017 at [Guru Nanak Dev Engineering College, Ludhiana, Punjab, India](http://www.gurunankdevcollege.edu.in/), <http://scawc.theides.org/com.html>

Membra in International Advisory Committee la First International Conference on Computational Intelligence, Communications, and Business Analytics (CICBA-2017), March 24-25, 2017, Calcutta, India, [http://cicba-2017.in/cicba\\_committee.aspx](http://cicba-2017.in/cicba_committee.aspx)

Membra in International Reviewing Committee la International Conference on Communication, Management and Information Technology (ICCMIT'17), 3-5 Aprilie 2017, Warsaw, Polonia, <http://www.iccmit.net/committees17.html>

Membra in International Advisory Committee la - IIC-STEMPH'17, International Interdisciplinary Conference on Science, Technology, Engineering, Management, Pharmacy and Humanities organized by Innovative Research Publication, DAV Institute of Engineering & Technology, India in collaboration with Prof Ma Moade(Nanyang Technological University, Singapore), 22-23 April 2017, <http://www.iicemp.com/EditorialBoard.aspx>

Membra in Technical Program Committee la International Conference on Engineering & MIS 2017, Monastir, Tunisia, 08-10 May, 2017, <http://www.iares.net/Committee2017>

Membra in Academic Committee la "5<sup>th</sup> International Conference on Recent Advances in Railway Engineering", Tehran, Iran, 15-16 May 2017, <http://icrare2017.iust.ac.ir/page/20/Academic-Committee>



Membra in Technical Program Committee la 14<sup>th</sup> International Conference on Engineering of Modern Electric Systems, (ICEMES 2017), Computer Science and Control Systems Session, May 2017, Oradea, Romania, <http://www.icemes.ro/icemes2017/technical-programme-committee.html>

Membra in International Program Committee la 21st International Conference on Control Systems and Computer Science (CSCS21). Bucharest, Romania, May 29 to May 31, 2017, <http://cscs21.hpc.pub.ro/committees/>

Membra in Technical Program Committee la 5th International Conference on Advanced Computing, Networking, and Informatics (ICACNI 2017), 1-3 iunie 2017, Goa, India, <http://www.icacni.com/committee>

Member in the International Advisory Committee la International Conference in Communication, Devices and Networking (ICCDN 2017), organized by the Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Majhitar, Sikkim, India 3-4th June, 2017, <http://www.ecesmit.org.in/ICCDN-2017/committee.html>

Membra in Technical Committee la The 6th 2017 IEEE International Congress on Big Data (BigData Congress 2017), 25-30 June, 2017, Honolulu, Hawaii, USA, <http://www.ieeebigdata.org/2017/organization.html>

Membra in Program Committee la **INISTA2017** 2017 IEEE International Conference on Innovations in Intelligent SysTems and Applications, 3-5 July 2017, Gdynia, Poland, <http://inista.org/program-committee.php>

Membra in Technical Committee la International Conference on Computer, Communication and Computational Sciences (IC4S- 2017), held at Swissôtel Resort Phuket Patong Beach, Thailand during 8-9 July 2017, <http://ic4s.in/index.html>

Membra in Advisory Committe la IEEE International Conference on Signal Processing and Communication – ICSPC'17, July 28-29 2017 Coimbatore, Tamil Nadu, India, <http://www.karunya.edu/ece/icspc17/advcomm.html>

Membra in Technical Program Committee la The 2017 13th International Conference on Natural Computation, Fuzzy Systems and Knowledge Discovery (ICNC-FSKD 2017), 29-31 July 2017, Guilin, China, [http://icnc-fskd.guet.cn/icnc\\_fskd/program\\_committees.htm](http://icnc-fskd.guet.cn/icnc_fskd/program_committees.htm)

Membra in International Program Committee la 2017 International Conference on Intelligent Computing, August 7-10,2017, Liverpool,UK, Special Sessions, <http://ic-ic.tongji.edu.cn/2017/Special%20Session.htm>

Membra in Technical Committee la 4th International Conference on Advances in Biology and Chemistry (ICABC 2017), 21-23 August 2017, Singapore, <http://www.icabc.org/com.htm>

Membra in Technical Committee la 2<sup>nd</sup> International Conference on Recent Advancements in Computer, Communication and Computational Sciences (RACCCS- 2017), Aryabhata College of Engineering & Research Center, Ajmer, India during September 2-3, 2017, <http://racccs.worldconf.in/technical.php#technical>

Membra in Scientific Committee la International Engineering Research Symposium, UMAS'17, Düzce University, Turkey, 11-13 September, 2017, <http://umas.duzce.edu.tr/Sayfa.aspx?id=7>

Membra in Program Committe la Fourth International Symposium on Computer Vision and the Internet (VisionNet'17), September 13-16, 2017, Manipal, India, <http://icacci-conference.org/visionnet2017/committee.html>

Membra in Technical Program Committee la 2017 2nd International Conference on Automation Sciences (ICOAS 2017), Phnom Penh, Cambodia, September 14-16, 2017, <http://www.icoas.org/committee.html>

Membra in Program Committee la 9<sup>th</sup> International Conference ICT Innovations 2017, 18-23 September, 2017, Skopje, R. Macedonia, <http://ictinnovations.org/ict-innovations-2017/programme-committee>

Membra in International Advisory Committee la 6<sup>th</sup> INTERNATIONAL CONFERENCE on Reliability, Infocom Technologies and Optimization (ICRITO 2017), (Trends and Future directions), September 20-22, 2017, Noida, India, <http://www.amity.edu/aiit/icrito2017/comm.html>

Membra in Steering Committee la The 5th International Conference on Electrical, Electronics and Information Engineering (ICEEIE 2017) organized by Electrical Engineering Department, Universitas Negeri Malang (State University of Malang) Indonesia, 6-8 October, 2017, <http://elektro.um.ac.id/iceeie/2017/committee>

Membra in Technical Program Committee la The First International Conference on Computing and Communication Technologies for Smart Nation (IC3TSN 2017), 12-14 October 2017 at G D Goenka University, Gurgaon, <http://ic3tsn-conference.org/2017/#tpc>

Member in International Advisory Committee la 2<sup>nd</sup> International Conference on Conscientious and Unimpeachable Technologies 2017 on 14th October 2017 at St. Andrews Institute of Technology and Management Gurugram, India, <http://www.iiir.co.in/iccut2017/main.php#team>



Membrin Technical Program Committee la 2017 International Symposium on Computer Science and Intelligent Controls (ISCSIC 2017), Budapest, HUNGARY, on Oct.20-22, 2017, <http://www.iscsic.org/>

Membrin Advisory Team la 1st International Conference on Data, Engineering and Applications 2017 (IDEA-2k17), October 28-29, 2017 Bhopal, India, <http://ideaconference.in/Committee.html>

Membrin Technical Program Committee la International Conference on Information Technology and Applied Mathematics (ICITAM 2017), October 30-November 01, 2017, Haldia Institute of Technology, India. <http://www.hithaldia.co.in/icitam2017/site.php?id=6>

Membrin Technicap Program Committee la International Conference Data and Information Sciences ICDIS 2017, 3-4 Noiembre 2017, ndira Gandhi National Tribal University, Amarkantak, M.P. , India, <http://www.icdis.info/committee/technical/>

Honorary Advisory Chair si Membrin Advisory Committee la the 4th International Conference on Computational Intelligence in Data Mining (ICCIDM-2017), 11-12 November 2017, Burla, Odisha, India, <http://www.iccidm.in/committee.php>

Membrin Technical Program Committee la FCT – Future Technologies Conference 2017, Vancouver, Canada 29-30 November 2017, <http://saiconference.com/FTC2017/Committees>

Membrin Technical Program Committee la Seventh International Symposium on Data-driven Process Discovery and Analysis, SIMPDA, 6-8 December, 2017 - Neuchatel, Switzerland, <http://simpda2017.di.unimi.it/index.html#pc>

Membrin Advizory Committee la ICCI-2017, 2017 International Conference on Computational Intelligence: Theories, Applications and Future Directions, December 6<sup>th</sup> - 8<sup>th</sup>, 2017, Indian Institute of Technology Kanpur, India, <http://www.iitk.ac.in/idea/ICCI2017/committee.html>

Membrin Advisory Committee la International Conference on Computing Analytics and Networking,15-16 December, Bhubaneswar, Odisha, India, <http://iccan.in/steering-committee.html>

Membrin Technical Program Committee la 15th International Conference on Frontiers of Information Technology (FIT'17), December 18-20, 2017, Islamabad, Pakistan, <http://fit.edu.pk/index.php/technical-program-committee>

Membrin Technical Program Committee la 2017 International Conference On Infocom Technologies and Unmanned Systems (ICTUS'2017), (Trends and Future Directions), December 18-20, 2017, Dubai, <http://www.amity.edu/aiit/ictus2017/comm.html>

Membrin Advisory Committee la 2017 IEEE International (biennial) Conference on "Technological Advancements in Power & Energy- TAP Energy 2017, Amritapuri, Kerala, December 21-23, 2017. <https://www.amrita.edu/event/ieee-international-conference-technological-advancements-power-and-energy-tap-energy-2017>

Membrin Advisory Committee la International Conference on Computational Systems and Information Technology for Sustainable Solution 2017, 21-23 Decembrie 2017, Bengaluru, India, <http://www.csitss2017.rvce.edu.in/csitss2017/committee.html>

Program Chair la Fourth International Conference on Intelligent Computing & Applications 2017 (ICICA 2017), 22-23 December 2017 Cennai, India, <http://icica.info/committees.html>

Membrin Steering Committee la The 5th International Conference on Electrical, Electronics and Information Engineering (ICEEIE 2017) is organized by Electrical Engineering Department, Universitas Negeri Malang (State University of Malang) supported by its partners which is to be held in Malang (Indonesia), <http://elektro.um.ac.id/iceeie/2017/committee>

Membrin Advisory Committee la International Conference on Cutting Edge Technologies in Computing and Communications, 10-11 January, Cennai, India, <http://srimec.edu.in/ICCETCC-2018/International-Conference-CSE.pdf>

Membrin Advisory Board la 52nd Annual Convention of Computer Society of India (CSI 2017) Kolkata, 19th January to 21st January 2018, <http://csi2017.in/advisory-board/>

Membrin Technical Program Committee la 2018 International Conference on Signal Processing and Information Communications, Seoul, Korea, January 21-23, 2018, <http://www.icspic.com/index.html>

Membrin International Scientific Committee la ICAA 2018 : 20th International Conference on Adaptive Architectures, 21-23 Ianuarie, Dubai, UAE, <http://waet.org/conference/2018/01/dubai/ICAA/committees>

Membra in Technical Program Committee la International Conference on Computer Vision and Image Analysis applications (ICCVIA' 2018), 28-30 Ianuarie, 2018, Cairo, Egypt, <http://iccvia.org/tpc/>

Membra in technical Program Committee la International Conference on Communication, Computing & Internet of Things - (IC3IoT 2018), Chennai, India, 15-17 February 2018, <http://ic3iot-conference.org/tpc.html>

Technical Program Chair la ICBDCI'18 - International Conference on Big Data & Computational Intelligence, 16-18 Februarie, 2018, Goa, India, <http://www.icbdci.org/committee/committee.html>

Membra in Technical Program Committee la International Conference on Emerging Trends in Expert Applications & Security (ICETEAS 2018) to be held in Jaipur, India, 17-18 Februarie, 2018, <http://iceteas.in/committees.html>

Membra in International Advizory Committee la International Conference On POWER, ENERGY,CONTROL AND TRANSMISSION SYSTEMS, Harnessing Power and Energy for an affordable Electrification of India22<sup>ND</sup> & 23<sup>RD</sup> FEBRAUARY, 2018, Chennai, India, [http://www.icpects2018.com/Advisory\\_Committee.html](http://www.icpects2018.com/Advisory_Committee.html)

Membra in Technical Committee la 2018 International Conference on Mechatronics, Control and Robotics will be held in Ho Chi Minh, Vietnam during February 25-27, 2018, <http://icmcr.org/committee.html>

Membra in Advisory Committee la eHaCON-2018: International Ethical Hacking Conference, 2018, Institute of Engineering & Management, Gurukul, Kolkata, India, April 6-7, 2018, <https://easychair.org/cfp/eHaCON2018>

Membra in International Advisory Committee la International Conference on Advances in Green Communication Technologies (ICAGCT-2018), will be organized by the Dept. of Electronics & Communication Engineering ,T. John Institute of Technology, Bangalore-560083, during 7<sup>th</sup>- 8<sup>th</sup> May, 2018, <http://icagct.com/committee.html>

Membra in Scientific Committee la International Conference on Advanced Technologies, Computer Engineering and Science (ICATCES 2018), 11-13 May 2018, Safranbolu, Turkey, <http://icatces.org/committee.php>

Membra in Technical Program Committee la 6th International Conference on Advanced Computing, Networking, and Informatics (ICACNI 2018), 4-6 June 2018, Silchar, India, <http://www.icacni.com/committee>

Membra in Technical Program Committee la 6th International Conference on Advanced Computing, Networking, and Informatics, (ICACNI – 2018), 04 - 06 June 2018, Silchar, India, <http://www.icacni.com/committee>

Membra in Technical Committee la The 7th International Conference on Big data Congress (Bigdata Congress 2018), June 25-30, 2018, Seattle, USA, <http://www.ieeebigdata.org/2017/organization.html>

Membra in International Advisory Committee la International Conference on Intelligent Data Communication Technologies and Internet of Things (ICICI 2018) is being organized on 07-08, August 2018 at Hotel Arcadia,Coimbatore, India, <http://www.icoici.org/Committee.html>

Membra in Program Committee la World Symposium on Digital Intelligence for Systems and MACHINES DISA-2018, 23 – 25 August 2018, Košice, Slovak Republic, <http://sacc-eu.eu/en/news/world-symposium-on-digital-intelligence-for-systems-and-machines-disa-2018/>

Membra in Advisory Committee la 2018 International conference on Cyber Physical Systems and IoT, CSPIOT 2018, 21-23 Septembrie, 2018, Stockholm, Suedia, <http://www.cpsiot.org/commit.html>

Membra in Advisory Committee la 3<sup>rd</sup> International Conference on Communication and Electronics Systems (ICES 2018), 15-16 October 2018, Coimbatore, India, <http://icoecs.org/committee.html>

Membra in Advisory Committee la 3<sup>rd</sup> International Conference on Communication and Electronics Systems (ICES 2018) is being organized on 18-19 October 2018, Coimbatore India, <http://icoecs.org/committee.html>

Membra in Advisory/Technical Committee la IEEE International Conference on Circuits and Systems in Digital Enterprise Technology (ICCSDET-2018), 21-22 Decembrie 2018, Saintgits College of Engineering, Kottayam, India, <http://www.iccsdet.com/advisory-technical-program-committee/>

Member in International Advisory Committee la TECHNOCON'19, 11-13 January, 2019, Kolkata, India, <http://www.technocontig.in/committe.php>  
Member in Technical Program Committee to 2nd International Conference on Signal Processing and Information Communications will be held in Phuket, Thailand during January 19-21, 2019, <http://www.icspic.com/committee.html>  
Member in International Advisory Board to 1st INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN TECHNOLOGY & APPLICATIONS, Lucknow, India, <https://aktu.ac.in/pdf/collegenewsandevent/ETTA-Brochure.pdf>  
Member in International Coordination Committee to 10th International Conference on "Emerging Trends in Computing Technology and Management" 7 to 9 February, 2019, Bhopal, India, <http://titbhopal.net/wp-content/uploads/2019/01/brochure-for-mail-01.pdf>  
Member in International Advisory Committee to 1<sup>st</sup> International Conference on Computers and Information Technology, 8-10 February, Cairo, Egypt, <http://nspconfs.com/iccit2019/Default.aspx>

Member in Advisory Board la Fourth International Conference on Communication, Computing and Information Technology, ICCIT 2019, 15th and 16th February 2019, M.O.P. Vaishnav College for Women (Autonomous), Chennai, India, 15-16 February 2019, <http://www.mopvc.edu.in/iccmit2019/>

Member in Technical Program Committee to 2nd International Conference on Mechatronics, Control and Robotics, [Fukuoka Institute of Technology](http://www.fukuoka.ac.jp/), Fukuoka, during February 23-25, 2019, <http://www.icmcr.org/committee.html>

Keynote Speaker to International Conference on Sustainable Computing in Science, Technology and Management, SUSCOM-2019, February 26 - 28, 2019, Amity University Rajasthan, Jaipur, India, <http://suscom.org.in/Speakers.html>

Honorary Chair si Member in Technical Program Committee la 1st International Conference on Machine Learning, Image Processing, Network Security and Data sciences (MIND-2019), 3 - 4 March 2019, NIT Kurukshetra, India, <https://www.mind2019.in/organizers>

Member in Technical Program Committee la 6<sup>th</sup> International Conference INDIACOM-2019, 13-15 March 2019, New Delhi, India, <http://www.bvicam.ac.in/indiacom/technicalProgrammeCommittee.asp>  
Technical Program Chair si Invited Speaker la International Conference on Intelligent Machines, 15 - 16 March, 2019 Baba Farid College of Engineering and Technology, Bathinda, INDIA <http://112.196.18.149:8082/committee.aspx>

General Chair and Invited Speaker to International Conference on Cognitive Informatics & Soft Computing (CISC-2019), Annamacharya Institute of Technology & Sciences, 9th to 10th April 2019, Rajampet, INDIA, <http://www.iccisc.com/committees.html>, <https://www.iccisc.com/brochure.pdf>

Member in International Advisory Committee la 1st International Conference on Innovation in Information and Communication Technologies (IICICT 2019), St. Peter's College of Engineering and Technology, 25-26 April 2019, Avadi, Chennai, Tamil Nadu, INDIA, <https://www.spcet.ac.in/iciict2019/#speakers>

Member in Scientific Committee to 2nd International Conference on Advanced Technologies, Computer Engineering and Science (ICATCES 2019), 26-28 April 2019 Alanya, TURKEY, <http://icatces.org/committee.php>

Member in Technical Committee to International Conference on Advances in Science, Engineering and Robotics Technology 2019 EWU, Dhaka, Bangladesh, 3-5 May 2019, <https://icasert.com/technical-committee/>

Member in International Organizing Committee la Yazhi Global Research Conference on Science, Engineering & Technology, THE ARCADIA HOTEL, Coimbatore, Tamilnadu, India on 18th May 2019, <http://ygrc19.com/index.php/organizing-committee/>

Member in International Advisory Board la [IEEE 13<sup>th</sup> International Symposium on Applied Computational Intelligence and Informatics](http://www.ieee.org/), SACI 2019, Timisoara, Romania, <http://conf.uni-obuda.hu/saci2019/committees.html>

Member in Technical Committee to 6th International Conference on Advances in Biology and Chemistry (ICABC 2019) will be held in Nanjing University of Science and Technology, China during June 24-26, 2019, <http://www.icabc.org/com.htm>

Member in International Advisory Committee to Yazhli Global Research Conference on Science, Engineering, Technology & Management (YGRC19) 29 JUNE 2019, THE ARCADIA, COIMBATORE, TAMILNADU, INDIA, <http://ygrc19.com/index.php/organizing-committee/>

Conference Chair and Keynote Speaker la The 2nd International Conference of Computer Science and Renewable Energies « ICCSRE'2019 », July 22-24, 2019, Agadir, Morocco.  
<https://iccsre2019.akrit.org/keynote-speakers/>

Membra in Advisory Committee la International Ethical Hacking Conference, 17-25 August, 2019, Kolkata, India, <http://www.ehacon.org/committee.html>

Membra in Program Committee la The International Conference on Deep Learning and Machine Learning in Emerging Applications (Deep-ML), 26-28 August 2019, Istanbul, Turkey, <http://www.ficloud.org/deep-ml-2019/programmecommittee.php>

Membra in International Advisory Board and Invited Speaker to the 1st International Conference on Innovation in Modern Science and Technology (ICIMSAT 2019), Siliguri Institute of Technology, West Bengal, India on September 20-21, 2019, <https://www.icimsat2019.com/>

Member in the committee to International Conference on Computational Vision and Bio Inspired Computing, (ICCVBIC 2019), September 25 -26, 2019, Coimbatore, India, <http://iccvbic.com/home/Committee.html>

Member in Advisory Committee to 2nd International Conference on Cyber Physical Systems and IoT (CPSIoT 2019) will be held in Amsterdam, Netherlands on 25-27, September, <http://www.cpsiot.org/commit.html>

Chair of the Steering Committee and member in the IPC to 2019 3<sup>rd</sup> International Symposium on Computer Science and Intelligent Control (ISCSIC 2019) will be held in Amsterdam, Netherlands on 25-27 September 2019, <http://www.iscsic.org/committee.html>, <http://www.iscsic.org/>

Keynote Speaker si Membra in International Advisory Board la INTERNATIONAL CONFERENCE ON COMPUTING, POWER AND COMMUNICATION TECHNOLOGIES (GUCON 2019), September 27-28, 2019, Galgotias University, INDIA. <http://gucon.org/GUCON/key.html>

Membra in Committee la International Conference On Computational Vision and Bio Inspired Computing (ICCVBIC 2019), October 10-11, 2019, Coimbatore, Tamil Nadu, <http://iccvbic.com/home/Committee.html>

*Membra in International Advisory Board la International Conference on Innovative Sustainable Computational Technologies, CISCT 2019, 11-12 Octombrie 2019, Dehradun, India, <http://www.geuicisct.com/>*

Member in Advisory Board to 9<sup>th</sup> International Conference on Emerging Trends in Engineering & Technology Signal and Information Processing, 1-2 November, 2019, Nagpur, India, <http://www.icetet.org/icetet-sip2019/>

Membra in Technical Program Committee la *International Conference in Computational Intelligence and Knowledge Economy*, Amity University, 11-12<sup>th</sup> Dec 2019, Dubai, UAE, <http://www.amity.edu/aiit/aicai2019/v>

Membra in Technical Program Committee to International Conference on Big Data, Machine Learning, and Applications (BigDML 2019), NIT Silchar, December 16-19, 2019, <http://bigdml.nits.ac.in/TPC.html>

General Chair la International Conference on Biologically Inspired Techniques in Many-Criteria Decision Making (BITMDM-2019) organized by Dept. of Information & Communication Technology during 19<sup>th</sup>-20<sup>th</sup> December, 2019 at Fakir Mohan University, Balasore Odisha, India, <http://bitmdm.com/committee.html>

Member in the Advisory Board la IC<sup>4</sup>T-2020 is the third conference in the ICT series of conferences which are held once in two years. The first one was organised in 2016 and the second in 2018. This will be held at Shri Ramswaroop Memorial Group of Professional Colleges (SRMGPC), Lucknow during 29-31 oct. 2020, <http://ic4t.co.in/index.html#testimonials>

Membra in Technical Program Committee la 3rd International Conference on Signal Processing and Information Communications, Bali, Indonesia, 17-19, ianuarie 2020, <http://www.icspic.com/> July 17-19, 2020.

Member in International Advisory Board to The 1st International Conference on Distributed Sensing and Intelligent Systems (ICDSIS2020) 01-03 February 2020, Agadir, Morocco, <https://www.dsis-conf.net/committee>

General Chair la The 2nd International Conference on Emerging Trends and Advances in Electrical Engineering

and Renewable Energy (ETAERE-2020) Kalinga Institute of Industrial Technology (KIIT) Deemed to be University, Bhubaneswar, Odisha, from 5th to 6th March 2020, <http://www.etaere.in/committees.html>

Membră în Technical Program Committee la 6<sup>th</sup> International Conference on Mathematics & Computing (ICMC 2020), March 18<sup>th</sup> - 20<sup>th</sup>, 2020, Gangtok, Sikkim, India, <http://icmc2020.in/>

Membră în Scientific Committee la Artificial Intelligence & Industrial Applications A2IA'2020 Arts & Métiers International Conference, 19 - 20 March, 2020. Meknes, Morocco, <https://www.a2iaconference.org/>

Membră în International Advisory Committee la Smart Education and Applied Social Sciences 25-26 March, 2020, Wolfson College, Cambridge University, United Kingdom, <http://www.seas-conference.org/index.php/features/committee>

Membră în Technical Program Committee la 2020 The 6th International Conference on Control, Automation and Robotics (ICCAR 2020) will take place at Singapore during April 20-23, 2020, <http://www.iccar.org/com.html>

Membră în Technical Program Committee la the 2020 World Conference on Computing and Communication Technologies (WCCCT 2020) Warsaw, Poland, between 13-15 May 2020, <http://www.wccct.org/committee.html>

Membră în International Advisory Committee și Editorial Board la International Conference on Emerging trends in Wireless Communication Technologies & Information Security, 14th-15th May 2020, Amity University, Jharkhand, India, <https://ewcis.in/committee.php>

Program Chair la The 5th International Conference on Research in Intelligent and Computing in Engineering. Thu Dau Mot University, Vietnam, 3-4 iunie 2020, <https://riceconference.in/committee/>

Membră în Advisory Committee la International Conference on Scope of Integrating Machine Learning Tools and Techniques in Science, Engineering and Biotechnology Research and Application (CSIMLTT-SEBTRA), Trident Academy of Technology, 13-15 June 2020, Bhubaneswar, Odisha, India, <http://icaeabs.in/advisor.php>

Membră în Program Committee la JERI2020 | 4th Edition of the national Study Days on Computer Sciences Research, 20-21 iunie, 2020, Saida, Algeria, <https://www.univ-saida.dz/jeri/>

Membră în Technical Program Committee la the IEEE 24<sup>th</sup> International Conference on Intelligent Engineering Systems 2020 (INES 2020) to be held on July 8-10, 2020 in Reykjavík, Iceland, <http://www.ines-conf.org/ines-conf/2020committees.html>

Membră în Advisory Board la The International Conference on Renewable Energy and Sustainability (RES20), will be held from 09-10 July 2020, in the DoubleTree by Hilton Cambridge Belfry, Cambridge City, England, United Kingdom, <https://resenergy.org/committee/>

Membră în International Advisory Committee la 3rd International Conference on Advances in Intelligent Computing and Communication (AICC-2020), 10-11 iulie 2020, Bhubaneswar, India, <https://aicc.cutm.ac.in/committee.html>

Organizator al Sesiunii Speciale 07 la The IEEE World Congress on Computational Intelligence (IEEE WCCI), the 2020 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2020), 19-24 iulie 2020, Glasgow, UK, Adaptive fuzzy control for nonlinear systems, <https://wcci2020.org/fuzz-sessions/>

Membră în Advisory Committee la 2020 3rd International Conference on Cyber Physical Systems and IoT (CPSIoT 2020) will be held in Bangkok, Thailand on Dec. 4-6, 2020, <http://www.cpsiot.org/commit.html>

Conference Chair, Publication Chair and Member in Technical Committee la [International Conference of Computer Science and Renewable Energies "ICCSRE'2020"](https://iccsre2020.akrit.org/committee/), Agadir, 22-24 July 2020, <https://iccsre2020.akrit.org/committee/>

Membră în Advisory Committee la International conference on Advance Computing and Innovative Technologies in Electrical Engineering, 7-8 August, Galgotia University, Noida, India, <http://www.icacitee.com/advisory-committee.php>

Membră în Organizing Committee și Advisory Committee la International Scientific Summit on Artificial Intelligence and Robotics, 07-08 September, 2020, Dubrovnik, Croatia, <https://www.oscinegroup.com/conference/ISSAIR-2020-9>



Member in Technical Program Committee la 2020 4th International Conference on Algorithms, Computing and Systems (ICACS 2020), Berlin, Germany, September 26-28, 2020, <http://www.icacs.org/committee.html>

Member in Technical Committee la International Conference on Communication, Computing and Electronics Systems (ICCES 2020) on 21-22, October 2020, Coimbatore, India, <http://icoces.com/2020/committee.html>

Member in Technical Program Committee la 2020 Sixth International Conference on Parallel, Distributed and Grid Computing (PDGC), 06-08 November, 2020, Department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology, Waknaghat, Solan, India, <http://www.juit.ac.in/pdgc-2020/committee.php>

Member in International Advisory Committee la IEEE International Conference ICECCOT, 13-14 Decembrie 2020, Delhi, India, <http://iceccot.geethashishu.in/iceccot2020.html#introduction>

Member in Technical Program Committee la International Conference on Emerging Technology in Computing, Communication and Electronics (ETCCE 2020), 20-22 Decembrie 2020, Dhaka, Bangladesh, <https://www.ritechs.org/ETCCE2020/index.html>

Member in International Advisory Committee la 2020 Fifth International Conference on Research in Computational Intelligence and Communication Networks, (ICRCICN - 2020), December 26 - 27, 2020, CHRIST (Deemed to be University), Bangalore, India, <http://icrcicn.in/#com>

Member in Technical Program Committee la 2021 IEEE Second International Conference on Control, Measurement and Instrumentation (CMI), January 8-10, 2021, Kolkata, India, [http://ewh.ieee.org/r10/calcutta/css\\_ims/CMI2021/index.html#section2](http://ewh.ieee.org/r10/calcutta/css_ims/CMI2021/index.html#section2)

Chair to the Panel Session PAN4: Fuzzy Logic Control : Present, Future, and New Directions

*Wednesday, July 25, 2:00PM-3:30PM, Chair:* Hani Hagra and Valentina Balas

*Panelists:* Piero Bonissone, Gary Feng, Dimitar Filev, Hans Geering, Jan Jantzen, Reza Langari, Abe Mamdani, Hiroshi Nakajima, Michio Sugeno, Kazuo Tanaka

Panelist of a Panel Session PAN4 of the Conference FUZZ-IEEE 2007, London,

<http://www.fuzzieee2007.org/panels.php>

Panel Session PAN6: Decision Analysis and Decision Support - The Need for Fuzzy Logic and Soft Computing

*Tuesday, July 24, 5:15PM-6:30PM, Chair:* Janusz Kacprzyk

*Panelists:* Valentina Balas, Christer Carlsson, Shyi-Ming Chen, Raija Koivisto, Lotfi Zadeh

#### **Invited speaker:**

17 august 2004 – invited conference to Summer School Arad-Moneasa, 2004 – Valentina E. Balas , “40 de ani de la apariția Logicii Fuzzy și legătura cu Teoria Sistemelor”

24 iulie 2005 – invited conference to Summer School Arad-Moneasa, 2005 – Valentina E. Balas, „*Estimation de ressources dans un budget*”.

19 iulie 2006 – two invited conferences to Summer School Arad-Moneasa, 2006 – Valentina E. Balas „*Voice Emotional Evaluation*” și „*Biometrics*”.

V. E. Balas - International Workshop on “System Science and Engineering”, 2<sup>nd</sup> November 2007, Taipei, Taiwan, Department of Electrical Engineering, National Taiwan University of Science and Technology – Valentina E. Balas *Design of Intelligent Information Systems: Reasoning and Practical Applications*, Travel Grant [http://www.ee.ntust.edu.tw/SSE/SSE\\_workshop.htm](http://www.ee.ntust.edu.tw/SSE/SSE_workshop.htm)

Invited conference VIPSI = VIP Symposia on Internet related research with elements, Internetconferences.net, IPSI Belgrad, 2008, 3-6 April 2008, Opatia, Valentina E. Balas, *Knowledge Engineering and Practical Applications at "Aurel Vlaicu" University of Arad*,

<http://internetconferences.net/ipsi/specific.php?spec=267>

<http://internetconferences.net/ipsi/conference.php?conf=80>

Invited conference ICC 2008, International Conference on Computers, Communications and Control, Felix Spa Romania, May 15-17 2008, *Constant Time to Collision* Platoons, Valentina E. Balas, Marius M. Balas <http://www.iccc.univagora.ro/?page=acceptedpapers> Full text is published in I. Dzitac, F.G. Filip, M.-J. Manolescu (eds), Proceedings of ICC 2008, in IJCCC, Vol.III (2008), suppl. issue, pp. 33-39, ISI.

Invited conference ICC 2008, International Conference on Computers, Communications and Control, Felix Spa Romania, May 15-17 2008, *World Knowledge for Control Applications by Fuzzy-Interpolative Systems*, Marius M. Balas, Valentina E. Balas, <http://www.iccc.univagora.ro/?page=acceptedpapers> ; Full text is published in I. Dzitac, F.G. Filip, M.-J. Manolescu (eds), Proceedings of ICC 2008, in IJCC, Vol.III (2008), suppl. issue, pp. 28-32, ISI.

Invited conference 7th International Conference on Global Research and Education, Inter-academia, 15-18 September, 2008, Pecs, Hungary, Valentina E. Balas, Marius M. Balas, *The Educational Aspect of the Fuzzy-Interpolative Systems*, <http://www.trivent.hu/IA2008/Program.html>

Invited conference, Universitatea din Győr – Szechenyi Istvan Egyetem, 23 Martie 2009, Győr, Hungary, Valentina E. Balas, *World knowledge for sensors by internal models and fuzzy techniques*, <http://mtk.sze.hu/content/view/13/20/lang,hu/>, <http://mtk.sze.hu/content/view/13/20/lang,en/>

Invited conference, Valentina E. Balas, *Fuzzy Techniques for Sensors*, in Recent Advances in Fuzzy Systems, Proceedings of the 10th WSEAS International Conference on Fuzzy Systems (FS '09), Prague, Czech Republic, March 23-25, 2009, Plenary Lecture 2, pag.10, ISBN: 978-960-474-066-6, ISSN: 1790-5109, <http://www.wseas.org/conferences/2009/prague/fs/index.html>

Invited Conference, Valentina E. Balas, Marius M. Balas, *A Sustainable Feeding System for our Future: the Passive Greenhouse*, Proceedings of the WSEAS International Conference, 11<sup>th</sup> WSEAS International Conference on Sustainability in Science Engineering (SSE '09), Timisoara, Romania, May 27-29, 2009, pag. 15.

Invited poster, Valentina E. Balas – *Automation and Intelligent Systems – research program in Aurel Vlaicu University*, WIRES 2009 – Women's International Research Engineering Summit, Connecting Women and Completing the Circuit of International Research Collaboration, June 2-4, Barcelona, Spain, pag. 39.

<http://www.wires.gatech.edu/>

[http://www.wires.gatech.edu/resources/program\\_and\\_participant\\_directory.pdf](http://www.wires.gatech.edu/resources/program_and_participant_directory.pdf)

Invited conference, Valentina E. Balas si Marius M. Balas - *A Sustainable Agricultural System: The Passive Greenhouse* la National Kaohsiung University of Applied Sciences, Taiwan, 09.11.2010

Invited conference, Valentina E. Balas - *The Passive Greenhouse* – International Conference on System Science, Engineering ICSEM 2010, 12-14 November 2010, Yichang, China, <http://www.sem-conf.org/10.html>

Invited conference “International Collaboration on Fuzzy Control and Smart Sensors in Greenhouses”, WIRES 2011 (Women's International Research Engineering Summit), 30 Martie - 2 Aprilie 2011, <http://wires.gatech.edu/main.php>, <http://wires.gatech.edu/resources/WIRES2-program.pdf>

Invited conference “Fuzzy Methodologies and Applications in Transportation”, **FEIT 2011**, 2011 International Joint Conference on Fuzzy Engineering and Intelligent Transportation (**FEIT 2011**) Xi'an, China **10-11, December 2011**, <http://feit-conf.org/program.html>  
<http://it.chd.edu.cn/web/NewsView.aspx?BigClassID=15&NewsContentID=1112>,

Invited Seminar – “Research Directions using Intelligent Paradigms in "Aurel Vlaicu" University of Arad” to **National University of Singapore, NUS**, Faculty of Engineering, Department of Electrical and Computer Engineering, Singapore, 12, ianuarie, 2012,

<http://www.ece.nus.edu.sg/events/seminars.html>

<http://www.ece.nus.edu.sg/events/seminars/sem-details2611new.asp?sid=185>

Invited Seminar - "Computational Intelligence-Based Research in Aurel Vlaicu University of Arad” la **Nanyang Technological University of Singapore, NTU**, School of Electrical & Electronic Engineering, Infinitus, Infocomm Centre of Excellence, 13 ianuarie, 2012,

<http://www.infinitus.eee.ntu.edu.sg/Pages/Home.aspx>

<http://www.infinitus.eee.ntu.edu.sg/Events/Pages/2012Seminars.aspx>

<http://www.infinitus.eee.ntu.edu.sg/Pages/Print.aspx?page=http://www.infinitus.eee.ntu.edu.sg/Events/Pages/2012Seminars.aspx>

Keynote Speaker – “**Advanced Intelligent Computing Methodologies and Applications**”, The Six International Conference on Genetic and Evolutionary Computing, **ICGEC 2012**, 25-28 August 2012, Kitakyushu, Japan, <http://bit.kuas.edu.tw/~icgec12/keynote.html>

Invited Speaker– “*Soft Computing-Based Research in “Aurel Vlaicu” University of Arad*”

*Methodologies and Applications* “,The 2012 International Conference on Information Management, Innovation Management and Industrial Engineering, **ICIII2012**, China, Sanya, 20-21 Oct. 2012, <http://www.iciii-conf.org/>  
<http://www.iciii-conf.org/keynotes.htm>

Invited Speaker to **Workshop on Computational Intelligence in Honor of László T. Kóczy** on his 60<sup>th</sup> Birthday, November 22, 2012, Obuda University, Hungary.

Invited Speaker to AISC 2012 – Artificial Intelligence and Soft Computing, On the eve of 150th Birth anniversary of Pt. Madan Mohan Malviya Ji, founder of BHU, Varanasi and 25th year of Graduation of Alumni of Department of Computer Engineering, IIT (BHU) Varanasi 7-9 Decembrie 2012, India, <http://iitbhu.ac.in/conferences/cse/aisc2012/>

Invited Speaker “ New Advanced Intelligenge Paradigms” la ICGITS 2013 – International Conference on Global Innovations in Technology and Sciences, 4-6 April 2013, Kottayam, India, <http://www.icgits.org/>

26. Seminar invitat “Recent advances in soft computing applications“ – Valentina E. Bălaș, la College of Information Science and Engineering, Ritsumeikan University, Shiga, Japan, 11-14 Septembrie 2013.

Tutorial – “Fuzzy Systems” – Valentina E. Balaș, 16-18 Decembrie 2013, [G.H.Raisoni College of Engineering, Nagpur, India](http://icetec.org/technical_program.html) [http://icetec.org/technical\\_program.html](http://icetec.org/technical_program.html)

Invited Speaker to 6th International Conference on Emerging Trends in Engineering & Technology, ICETET 2013, 16-18 December, Nagpur, India, Plenary Talk” Advanced Computational Intelligence-Based Research”, [http://icetec.org/technical\\_program.html](http://icetec.org/technical_program.html) <http://www.nagpurtoday.in/6th-international-conference-on-emerging-trends-in-engineering-technology-from-dec-16-18-2013/>

Invited Speaker to Kalasalingam University, Tamil Nadu, India, 29 ianuarie, 2014, “ New Directions in Intelligent Systems: Reasoning and Applications”- Valentina E. Balas.

Invited talk to Optimization in Engineering (OPTENG2014), 29-31<sup>st</sup> May, 2014, Bankura Unnayani Institute of Engineering, Bankura, West Bengal, India, Advanced Soft Computing Methodologies and Practical Applications.

Keynote Speaker and Session Chair to the 7th International Conference on Information Management, Innovation Management and Industrial Engineering (ICIII2014), 25-26 October 2014, Xi'an, CHINA, <http://www.iciii-conf.org/keynotes.htm>

The 18<sup>th</sup> World Conference on Soft Computing and Industrial Applications, World Wide Web 1-12 December 2014, **WSC 18**, *Practical Applications of Soft Computing Techniques*, Invited Speakers: Valentina and Marius Balas, <http://www.fti.itb.ac.id/wsc18/keynote/>

IEEE 17th International Multi Topic Conference **INMIC 2014**, Bahria University, Karachi December 8-10, 2014, Pakistan, Special Guest Lecture - *Soft Computing Methods and Modeling*, [http://iee.inmic.org/index.php?option=com\\_content&view=article&id=96&Itemid=72](http://iee.inmic.org/index.php?option=com_content&view=article&id=96&Itemid=72)

Grant International - Plenary Panelist, Title: The future development and challenges of ICT, Valentina and Marius Balas to International Computer Symposium, December 12-14, 2014, Tunghai University, Taichung, Taiwan

Healthy World Conference 2015, 5-7 September 2015, Kakinada, India, Invited talk: *Electronics and its applications in Health Care*, <http://www.hwc2015.org/docs/HWC2015Brochure.pdf>

2015 International Conference on Information Technology and Intelligent Transportation Systems (ITITS 2015), Xi'an, CHINA, December 12-13, 2015, Invited Speaker: *Automatic control of the traffic flow*, <http://itits.chd.edu.cn/cp.htm>

The International Conference on Computational intelligence and communication technology (ICICT-2016), 12-13 February, 2016 Ghaziabad, India , <http://cict.abes.ac.in/speaker.php>

Invited Speaker la Shiraz Second International Congress on MHealth (SIM 2017), 22-23 February, 2017, Shiraz, Iran, <http://mhealth.sums.ac.ir/en/page.php?rid=45&PHPSESSID=2bffd26276a3a2ce2781e4e93161eefa>

<http://mhealth.sums.ac.ir/en/>

Keynote Speaker la 1<sup>st</sup> International Conference on Data Management, Analytics & Innovation, 24 - 26 February 2017, ICDMAI 2017, Pune, India, [http://www.icdmai.org/eminent\\_speakers](http://www.icdmai.org/eminent_speakers)

Keynote Speaker la International conference on Energy, Power, Communication and Computing Systems (ICEPCCS-2017), R R Institute Of Technology, Bengaluru, India, May 13-14, 2017, <http://epccs2017.com/keynote.html>

Keynote Speaker la 2017 International Conference on Computing and Applications in Medical Informatics, Engineering, Avionics, and Security (ICCA-MEAS), Hangzhou, China from August 19-20, 2017, <http://icca-meas.org/keynotes.htm>

Keynote Speaker la The 2017 First International Conference on Advanced Computational and Communication Paradigms (ICACCP) , at Sikkim Manipal Institute of Technology (SMIT), Majitar, Rangpo, East Sikkim, Sikkim 737136, 08-10 September 2017, din tematica generala a proiectului, insistand pe retelele Hammak si fiabilitatea acestora.

The conference was technically co-sponsored by IEEE Kolkata Section and IEEE Computational Intelligence Society, Kolkata Chapter.

<http://www.icaccpa.in/keynote-speakers>

<http://icaccpa.in/sites/default/files/docs/Final%20Programs%20Schedule%20%20%28ICACCP-2017%29.pdf>

Keynote Speaker la 3<sup>rd</sup> International Conference on "Next Generation Computing Technologies", (NGCT-2017), "Smart Innovative Trends for Next Generation Computing

During 30<sup>th</sup> and 31<sup>st</sup> October, 2017, AT School of Computer Science & Engineering University of Petroleum & Energy Studies Bidholi Campus, Via- Prem Nagar, Dehradun Uttarakhand (INDIA) - 248 007, <http://www.ngct2017.in/keynote-Speakers>, <http://www.ngct2017.in/schedule>

Kenote Speaker la 2017 International Conference on Security with Intelligent Computing and Big-data Services, December 15-17, 2017, National Dong Hwa University, Hualien, TAIWAN. <http://sicbs17.ndhu.edu.tw/files/40-1192-4355.php?Lang=zh-tw>

Keynote Speaker la The International Conference on Computing and Related Technologies, 28 December, 2017, Karachi, Pakistan, <http://iccrt.smiu.edu.pk/>

## 2018

1. Keynote Speaker la, ICDMAI 2018, Second International Conference of Data Management, Analytics and Innovation, Pune, India, 19-21 ianuarie 2018, <https://www.townscript.com/e/2-nd-international-conference-of-data-management-analytics-and-innovation-icdmai-2018-224110>
2. Keynote Speaker la University Berkeley California, USA, Symposium of Fuzzy Logic and Fuzzy Sets: A Tribute to Lotfi Zadeh, 5 February 2018, <https://eecs.berkeley.edu/events/zadeh-symposium-2018>
3. Keynote Speaker la Ahmedabad, India, IITRAM, The First International Conference on Innovations in Infrastructure (ICIIF), 18-19, May 2018, <http://iitram.in/iciif/program>
4. Keynote Speaker la – WconSC, Azerbaijan, 7<sup>th</sup> World Conference on Soft Computing, Dedicated to Research Heritage of LOTFI A. ZADEH, UC Berkeley, CA, USA  
May 28-31, 2018, Baku, Azerbaijan, <http://ci2s-enterprise.com.ar/2018/02/11/wconsc2018-baku/>
5. Keynote Speaker la, August 2018, ICCS 2018, Feynman100, 4th International Conference on Computing Sciences 30-31 August 2018 [http://conferences.lpu.in/iccs/key\\_note\\_speakers.php](http://conferences.lpu.in/iccs/key_note_speakers.php)
6. Keynote Speaker la, Noida, India, INTERNATIONAL CONFERENCE ON COMPUTING, POWER AND COMMUNICATION TECHNOLOGIES 2018 (GUCON), Galgotias University; India, September 28-29, 2018, <http://2018.gucon.org/2018/user/index>
7. Keynote Speaker la Guangzhou – Workshop, October 2018, the 6th IEEE International Workshop on Network Optimization and Performance Evaluation (NOPE 2018) Guangzhou, China October 8-12, 2018, Workshop Smart City and Informatization, <http://www.smart-world.org/2018/iSCI/it.php>

8. Keynote Speaker Ia, Xi'an, October 2018, The Fifth Euro-china International Conference on Intelligent Data Analysis and Application, 12-14 October 2018, Xi'an, China [http://ecc2018.xupt.edu.cn/Keynote\\_Speech.htm](http://ecc2018.xupt.edu.cn/Keynote_Speech.htm)
9. Keynote Speaker Ia, The 1<sup>st</sup> International Conference of Computer Science and Renewable Energies , ICCSRE'2018", Ouarzazate, Morocco, November 22-24, 2018 <https://iccsre.sciencesconf.org/resource/page/id/6>

## 2019

1. International Conference on Intelligent Machines (ICIM'19), March 15-16, 2019, Baba Farid College of Engineering and Technology, Bathinda, INDIA - Keynote Speaker, <http://112.196.18.149:8082/>
2. Keynote Speaker to International Conference on “Emergent Research in Mathematics and Engineering - (ICERME-2019)”, during May 17th & 18th, 2019, NIT Agartala, INDIA. <http://nitaonline.nita.ac.in/ICERME2019/?fbclid=IwAR1oi4QG7Qeac6-Oz6NiWn1J80cR-D2BTVTft0e43LPnk0XErnxGPj9xw4s>
3. KEYNOTE SPEAKERS to the 2nd International Conference of Computer Science and Renewable Energies « ICCSRE'2019 », 22-24 July, Agadir, organized by The Polydisciplinary Faculty of Ouarzazate, Faculty of Sciences, Agadir, and National School of Applied Sciences, Ibn Zohr University, Morocco, [https://iccsre2019.akrit.org/wp-content/uploads/2019/07/ICCSRE2019\\_Program\\_final\\_version.pdf?fbclid=IwAR38hgiWpdUoVlu-8nDw7IyakV8ikKZyJyidrKGYCgMMA-cmv4XrNAK9pM8](https://iccsre2019.akrit.org/wp-content/uploads/2019/07/ICCSRE2019_Program_final_version.pdf?fbclid=IwAR38hgiWpdUoVlu-8nDw7IyakV8ikKZyJyidrKGYCgMMA-cmv4XrNAK9pM8)
4. Keynote speaker Ia1st International Conference on Innovation in Modern Science and Technology, ICIMSAT-2019, Siliguri Institute of Technology, Siliguri, Darjeeling, West Bengal, INDIA, <https://www.icimsat2019.com/>
5. *Keynote Speaker* INTERNATIONAL CONFERENCE ON COMPUTING, POWER AND COMMUNICATION TECHNOLOGIES (GUCON 2019), NOIDA, INDIA, <https://gucon.org/GUCON/si.html>
6. Invited Speaker to International Conference on Technics, Technologies and Education, ICTTE 2019, Faculty of Technics and Technologies of Yambol, Trakia University, Yambol, BULGARIA, October 16-18, 2019, <https://ictte.eu/icttepr/invited-speakers/>
7. Plenary Speaker to Joint CINTI-MACRo 2019 The IEEE Joint 19th International Symposium on Computational Intelligence and Informatics and 7th International Conference on Recent Achievements in Mechatronics, Automation, Computer Sciences and Robotics, November 14-16, 2019 in SZEGED, HUNGARY. <http://conf.uni-obuda.hu/cinti2019/>
8. Keynote Speaker to the 8th International Conference on Innovation and New Trends in Information Technology (INTIS 2019) - December 20 - 21, 2019 - Tangier, Morocco. <http://intis19.conferences-it.com>

## 2020

1. Keynote Speaker and Chair a Session to the 14th Symposium on Advances in Science and Technology, Mashhad, IRAN, online conference, Title: Research on Computational Intelligence Methods and Practical Applications, 4 January 2020, <http://14thsastech.khi.ac.ir/> [http://14thsastech.khi.ac.ir/data1/SASTech2019\\_Presentations.pdf](http://14thsastech.khi.ac.ir/data1/SASTech2019_Presentations.pdf)
2. Keynote Speaker to 2nd International Conference on Mathematical Modeling and Computational Methods in Science and Engineering (ICMMCMSE-2020), January 22-24, 2020, Alagappa University, Karaikudi, INDIA, Title: Advances Computing Paradigms and New Computational Intelligence-Based Research <http://www.icmmcmse.org/>



[https://www.alagappauniversity.ac.in/uploads/notifications/1576151002\\_Brochure\\_Final\\_-\\_2-converted-merged.pdf](https://www.alagappauniversity.ac.in/uploads/notifications/1576151002_Brochure_Final_-_2-converted-merged.pdf)

<https://fixedpointkmutt.wordpress.com/2020/01/23/professor-poom-kumam-one-of-keynote-speaker-from-thailand-for-the-international-conference-on-mathematical-modeling-and-computational-methods-in-science-and-engineering-icmmcmse-2019-january-22-24/>

3. Invited Speaker to the 2nd International Conference on ICT for Digital, Smart, and Sustainable Development, February 27-28, 2020, Department of Computer Science & Engineering, School of Engineering Sciences & Technology, Jamia Hamdard (Deemed to be University), New Delhi, INDIA, Title: Advances Computing Paradigms and New Computational-Based Research Paradigms.

<http://www.jamiahamdard.ac.in/acidssd/com.html>

4. February 28 - Invited Speaker to International Conference on Electrical and Electronics Engineering at National Power Training Institute HQ, India, ICEEE 2020.

[www.iceee.in](http://www.iceee.in)

Speech of Guest of Honor: Prof. Valentina E. Balas , Title: Passive Greenhouse.

5. Keynote Speaker to: International Conference on Applications of AI & Machine Learning, ICAML-2020, 21-22 May 2020, Organized by: Department of Computer Science & Engineering, Punjabi University, Patiala, India, online conference.

Title: New Challenges in Bio-Inspired Architectures for Nanotechnology

<http://icaml.in/keynote-speakers/>

<https://icaml.in/advisory-committee/>

6. Keynote Speaker to International webinar „ Applications of Deep Learning on COVID – 19, Diagnosis and Treatment” conducted by Department of Computer science and Engineering School of Engineering science and Technology Jamia Hamdard New Delhi, 30 May 2020.

Title: Recent developments in Deep Learning for Detection of COVID – 19

<https://www.facebook.com/jamiahamdardofficial/posts/2978103012447443>

<https://www.facebook.com/jamiahamdardofficial/>

7. Keynote to Indian Institute of Finance Webinar Workshop & Faculty Development Program (FDP) on "How to Research and Publish" on June 2nd, 2020, Title: Publish or Perish, Indian Institute of Finance [www.iif.edu](http://www.iif.edu)

8. Special Guest – Keynote Speaker on the inaugural ceremony of International Conference on Modelling Simulation and Optimization (CoMSO-2020), 03-05, August 2020, at NIT Silchar, INDIA.

<http://comso.nits.ac.in/>

9. Invited Talk for Technical Session – Eight “CRABBING ETHICAL PRACTICES: PLAGIARISM AND RESEARCH INTEGRITY”, to 6th Online International Conference on Digital Learning and Innovations in Libraries, (ICDLIL 2020), organized by Association of Indian Law Libraries in association with National Law University Delhi, Chanakya National Law University, Patna and Modern Rohini Education Society, New Delhi, 6th September 2020.

Title: Digital Learning

<https://icdlil2020.webs.com/>

<http://www.learningstages.in/speaker-icdlil-2020/>

10. Inaugural Session: ICCCA-2020 5th IEEE International Conference on Computing, Communication and Automation jointly organized by Galgotias University, India and Aurel Vlaicu University of Arad, Romania on October 30-31, 2020.

[https://www.youtube.com/watch?v=SZW5M\\_gfDbk](https://www.youtube.com/watch?v=SZW5M_gfDbk)

11. Keynote Speaker to International Webinar Series on COVID-19 Pandemic “Making Informed Decisions in Response”, Thursday, 26th Nov. 2020, Kharazmi University, Tehran, IRAN.

Title: Recent Developments in Deep Learning for Detection of COVID-19

<https://khu.ac.ir/content/59015/International-Webinar-Series-on-COVID-19-Pandemic>

12. Invited Speaker to The 19th IEEE International Conference on Trust, Security and Privacy in Computing and Communications (TrustCom 2020), Guangzhou, China, December 29, 2020 - January 1, 2021  
Organizer: Guangzhou University, CHINA  
Title: Future Generation of Computer Technologies and AI Hardware  
<http://www.ieee-trustcom.org/C4W2020/>  
<http://ieee-trustcom.org/share2020/AdvanceProgram.pdf>
13. 25-26 December - Special Invitee to Inaugural Session and Keynote Speaker at the 5th International Conference on Soft Computing: Theory and Applications, SoCTA 2020, 25-27 December 2020, INDIA.  
Title: Fuzzy-Interpolative Switching Techniques  
<http://socta.in/index.php>  
<http://socta.in/speakers.php#7>
14. Keynote Speakers to the 3rd International Conference of Computer Science and Renewable Energies "ICCSRE'2020", 22-24 December 2020, Agadir, MOROCCO.  
Title: Systems Engineering and the Top-Down Approach  
<https://iccsre2020.akrit.org/>  
<https://iccsre2020.akrit.org/keynote-speakers/>
15. 3rd Edition of the International Conference on Advanced Intelligent Systems for Sustainable Development Applied to Education, Agriculture, Energy, Health, Environment, Industry, Economy and Security. 21-26 December 2020, Tangier, MOROCCO.  
Invited Speaker to Webinar: Future Global Economy with the new technology generation of four industrial revolution to Industry 4.0  
Title: The Fourth Industrial Revolution – Industry 4.0 - is driving manufacturing into the future  
<http://www.ai2sd.com/>  
<https://www.facebook.com/ai2sd/>
16. Keynote address to International Conference on Research and Applications in Artificial Intelligence RAAI - 2020, 19-20 December 2020, organized by Department of Information Technology, RCC Institute of Information Technology, Kolkata, A Unit of an Autonomous Society of Department of Higher Education. Govt. of West Bengal, INDIA.  
Title: New Applications in AI  
<https://raai.rcciit.org/>
17. Keynote to the 3rd International Conference on Computational Advancement in Communication Circuits and Systems (ICCACCS 2020), 17-19 December 2020, Narula Institute of Technology, Agarpara, Kolkata, India.  
Title: New Trends in Future Generation of Computer Technologies and AI Hardware  
<https://www.nit.ac.in/ICCACCS-2020/index.php>
18. Keynote Speaker to the 2nd International Conference on Soft Computing and its Engineering Applications (icSoftComp2020), December 11-12, 2020, Charotar University of Science and Technology (CHARUSAT), Changa, Gujarat, INDIA  
Title: Soft Computing Paradigms and Practical Applications  
<https://www.charusat.ac.in/icSoftComp2020/index.php>  
[https://www.youtube.com/watch?v=VNBO\\_0fs9U8&t=1820s](https://www.youtube.com/watch?v=VNBO_0fs9U8&t=1820s)
19. Keynote Speaker in the Inauguration Ceremony of the conference with title:  
"Recent Development in AI & Robotics" to Baba Farid College of Engineering and Technology, 7-12 December, 2020, Bathinda, INDIA.  
[https://m.facebook.com/BabaFaridGroup/photos/a.212291678783623/3782856938393728/?type=3&eid=ARBn0\\_ZjTml-aAUGg\\_Zgetu0h45ucEqvXalDQENKqFgQ88BivoUHDg9XrrOQlkGppaX-P7MkAsrFKhOm](https://m.facebook.com/BabaFaridGroup/photos/a.212291678783623/3782856938393728/?type=3&eid=ARBn0_ZjTml-aAUGg_Zgetu0h45ucEqvXalDQENKqFgQ88BivoUHDg9XrrOQlkGppaX-P7MkAsrFKhOm)  
<https://www.youtube.com/watch?v=xXE45hOkBvU>

20. Plenary Talk to International Conference on Computational Techniques & Intelligent Machines (ICCTIM2020) held on November 26-28 to Department of Mathematics, Baba Farid College, Bathinda, INDIA.  
[https://babafaridgroup.edu.in/ICCTIM-2020/plenary\\_speakers.html?fbclid=IwAR3k6I9B0au8nfUE37\\_uqO5w7UXLwjVTaSfY7\\_WGZ4C0PPyILZ36ZjVYnUI](https://babafaridgroup.edu.in/ICCTIM-2020/plenary_speakers.html?fbclid=IwAR3k6I9B0au8nfUE37_uqO5w7UXLwjVTaSfY7_WGZ4C0PPyILZ36ZjVYnUI)
21. Conference SPECTRUM 2020, IEM Kolkata, INDIA, 3rd International Students' Conference on Current Advancements in Science & Technology, organized by Institute of Engineering & Management, Kolkata in collaboration with Society of Physics Students (SPS) Chapter American Institute of Physics  
 Title: Advanced Soft Computing Methods: Design and Practical Applications  
[http://iem-spectrum.org/?fbclid=IwAR3dvf9brusk\\_-9KQw30bOKMqS5-EWEG9Hr6voUA1mULh5ANe3RQTL9kSU](http://iem-spectrum.org/?fbclid=IwAR3dvf9brusk_-9KQw30bOKMqS5-EWEG9Hr6voUA1mULh5ANe3RQTL9kSU)  
<http://iem-spectrum.org/page6.html>

## 2021

1. Invited Speaker to 6th Edition of International Conference on Computing in Engineering & Technology, ICCET 2021, January 30-31, 2021, organized by Department of E & TC Engineering, Dr. Babasaheb Ambedkar Technological University, LONERE-Raigad, INDIA.  
<http://www.iccet2021.in/index.html>
2. Invited Speaker to your first scientific activity in 2021 at the American University in the UAE, in a scientific seminar on Sunday, January 31, 2021.
  1. Keynote Address to Indian Institute of Finance - International Research Conference & Summit 2021 - Day 1 - 29 January 2021.  
 Many thanks Prof. Aman Agarwal for the invitation.  
[http:// www.iif.edu](http://www.iif.edu)  
<https://www.iif.edu/Semin.../IIF%20Research%20Conference.pdf>
2. Invited Speaker to The International e-conference on Rough Sets, Fuzzy Sets and Their Applications, organized by FUZZY & ROUGH SETS ASSOCIATION, 24-25 January 2021, Agartala, Tripura, INDIA.
3. Keynote Speaker to Kristu Jayanti College Autonomous at the 4th edition of The Virtual National Conference on Computational Intelligence (NCCI 2021), 11-12 January, 2021, Bengaluru, Karnataka, INDIA.  
<https://kristujayanti.edu.in/ncci/KeynoteSpeakers.html>
4. Keynote Speaker to 4th International Conference on Intelligent Sustainable Systems, (ICISS 2021) SCAD College of Engineering and Technology, Tirunelveli, India  
 February 26-27, 2021.  
<http://icoiss.com/2021/keynote.html>
5. Keynote Speaker and Program Chair. The conference was organized by Department of Computer Science & Engineering, GIET University, Gunupur, INDIA.  
<http://icngiot.in/>
6. Speaker to FUZZY & ROUGH SETS Association, AGARTALA, Tripura, INDIA, on the centenary year of Professor LOTFI A. ZADEH, 4 February 2021.  
 Prof. RABI NANDA BHAUMIK, President, FRSA.
7. Invited Speaker to "International Conference on Fourth Industrial Revolution based Technology and Practices (ICFIRTP) 2020, in joint organization of Quantum School of Technology and Uttarakhand Technical University, Dehradun, in association with Dr. Babasaheb Ambedkar Technological University is a unitary, state university in Lonere, under the AEGIS of TEQIP III on March 26th -27th, 2021, INDIA.

8. Invited Speaker to International Conference on the theme "5G - Global, Green, Governance, Growth and Government", organized by Faculty of Management Studies, Ganpat University, Gujarat, INDIA, 20th and 21st March, 2021.  
<http://www.amdisa.org/GCeMP-2k21>
9. Invited Keynote Speaker in the inaugural session of the 3rd International Conference on "Data & Information Sciences", ICDIS 2021, organized at Raja Balwant Singh Engineering Technical Campus, Bichpuri, Agra, INDIA.  
[http://icdis.ssedconferences.org/#our\\_speakers](http://icdis.ssedconferences.org/#our_speakers)  
<http://icdis.ssedconferences.org/>
10. Expert lecture on "Trends in Artificial Intelligence" on 10th May, 2021 to the Virtual Commemoration of 33rd Foundation Day to C-DAC, Mohali, Punjab, India.
11. Invited as Keynote Speaker in The 2nd Global Conference on Artificial Intelligence and Applications (GCAIA 2021)  
8th-10th September 2021, Jaipur, India || Published by CRC PRESS(Taylor and Francis Group). conference Website: <http://gcaia.uem.edu.in/>
12. Keynote Speaker to The Fourth International Conference on Computational Intelligence and Communication Technologies, CCICT - 2021, organized jointly by The Karkonosze State University of Applied Sciences in Jelenia Góra, Poland and BM Institute of Engineering and Technology, 3rd July, 2021, Sonapat, INDIA.  
<http://cict21.bmiet.net/>
13. Plenary Speaker to International Virtual Conference „Mathematics & IT: Research and Education (MITRE-2021)", dedicated to the 75th anniversary of Moldova State University, Chişinău, Republic of Moldova, July 01–03, 2021, organized by MOLDOVA STATE UNIVERSITY  
FACULTY OF MATHEMATICS AND COMPUTER SCIENCE  
MATHEMATICAL SOCIETY OF THE REPUBLIC OF MOLDOVA.  
<http://cecmi.usm.md/mitre/>
14. Keynote Speaker to The 3rd International Conference on Cybernetics, Cognition & Machine Learning Applications (ICCCMLA) (21st -22nd August 2021), GOA, INDIA. Many thanks for inviting me to Prof. Vinit Kumar Gunjan and Prof. Vijender Solanki!  
<https://www.intdatacon.com/>
15. CHIEF GUEST to Valedictory Ceremony at The 2nd International Conference on Advances in Computer Engineering and Communication Systems (ICACECS-2021), organized by the Department of Computer Science and Engineering, Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering and Technology, Hyderabad, INDIA, 14 August 2021.  
<https://www.icacecs.org/importantdates.php>
16. Special Guest and Keynote Speaker to the 4th International Conference on Mathematical Modelling, Applied Analysis And Computation (ICMMAAC-21), 05-07 August 2021, organized by Department of Mathematics (Faculty of Science), JECRC University, Jaipur, INDIA  
<http://sws.jecrcuniversity.edu.in:81/ICMMAAC-21/INDEX/>
17. Chief Guest and Keynote speaker to International Conference on Science Technology and Management ICSTM 2021, Forum for Interdisciplinary Research in Mathematical Sciences, Jaipur, INDIA,  
July 31-August 01, 2021.  
<http://icstm.online/>
18. Keynote Speaker to The 5th International Conference on Micro-Electronics and Telecommunication Engineering (ICMETE-2021), 24-25, September, 2021, SRM Institute of Science and Technology, Delhi NCR Campus, Modinagar, India.

19. Keynote Speaker in 2nd International Conference on Sustainable Expert Systems, ICSES 2021, September 17-18, 2021, Tribhuvan University (TU), Kirtipur, Kathmandu, NEPAL.  
<http://icoses.com/2021/index.html>
20. Keynote Speaker for KES-2021  
25th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems, 8-10 September 2021, Szczecin, POLAND  
<http://kes2021.kesinternational.org/keynotes.php>
21. Keynote Speaker at Inaugural Session to GCAIA 2021 - 2nd Global Conference on Artificial Intelligence & Applications, 2021 organized by the University of Engineering & Management (UEM), 8th to 10th September, 2021, JAIPUR, INDIA.  
<https://gcaia.uem.edu.in/keynote-speakers/>
22. General Chair and Invited Speaker to the 2nd International Conference on Advancements in Interdisciplinary Research (ICAIR-2021), October 29 - 31, 2021  
Organized by Department of Mathematics, Dr. Bhimrao Ambedkar University, Khandari Campus, Agra, India, in association with  
FIRMS India.
23. Invited Speaker to The International Conference on Advances In Computer Engineering & Communication Technology (ICACET–2021), Department of IT, CSE & ECE, Aditya College of Engineering & Technology, 22nd & 23rd October, 2021, Surampalem, AP, INDIA.  
<http://icacet.in/>
24. Speaker to the Fourth One Day International Seminar on Intelligent Computing (ISIC 2021) organized by the Department of Computer Science and Engineering, Assam University Silchar, in Technical Collaboration with IEEE Computational Intelligent Society Kolkata Section on 4th October 2021.
25. Keynote Speaker to 2021 International Symposium on Design Studies and Intelligence Engineering (DSIE2021), November 28, Hangzhou, CHINA.  
<http://dsieconf.org/keynotes.htm>
26. Inaugural Chief Guest to Research Colloquium under the thrust area group E-Mobility, Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Bengaluru Campus in association with IEEE PELS & IES Bangalore chapter and IEEE PES and IAS Jt student branch chapter, 26-27 November 2021.
27. Keynote Speaker for International Conference on Computational Methods and Data Engineering (ICCMDE 2021), 25-26 November 2021, Vellore Institute of Technology-Vellore, India.  
<https://vit.ac.in/iccmde/>
28. Invited Speaker to the International Workshop on "Modern Mathematical Methods and High-Performance Computing in Science & Engineering (MMHPC 2021)", November 23-24, 2021, organized by Anand International College of Engineering, Jaipur.  
<http://mmhpc.ir/#>
29. Part of the online Faculty Development Programme (FDP) on 18 November 2021 on the theme "Modern Trends in Manufacturing Processes and Control Techniques in Renewable Energy System", organized by Department of Mechanical Engineering in cooperation with Electrical Engineering Department NIT DELHI with the talk „Advanced Research for Renewable Energy Systems”
30. Keynote Speaker to International Conference On Computational Intelligence - ICCI 2021, (Exploring the Power of Computational Intelligence), December 27-28, 2021, Pune, INDIA.  
Organized by : Indian Institute of Information Technology Pune and Soft Computing Research Society.  
<https://www.icci2021.in>
31. Keynote Speaker to First International Conference on Information and Communication Technology (ICICT) 2021, 23-24 DECEMBER 2021, organized by, Department of Information Technology, Sikkim Manipal Institute of Technology, INDIA.  
<https://icict.smtech.in>



<https://icict.smtech.in/docs/KeyNoteDetails.pdf>

32. Guest of Honour to 2021 6th IEEE International Conference on Computing, Communication and Automation, jointly organized by Aurel Vlaicu University of Arad, Romania & Galgotias University, India on December 17-19, 2021 at Galgotias University Greater Noida (NCR New Delhi) India.

<http://www.iccca.in/index.htm>

33. Keynote Speaker for the 3rd International Conference on Communication and Intelligent Systems (ICCIS 2021) organized at National Institute of Technology Delhi and technically sponsored by Soft Computing Research Society, December 18, 2021.

<https://www.iccis21.scrs.in/>

34. General Chair and Keynote Speaker to 2nd International Conference on Computational Methods in Science & Technology, ICCMST 2021, organized by Department of Computer Science & Engineering and IT, Chandigarh Engineering, 17-18 December, 2021, Punjab, INDIA.

<https://iccmst2021.com/>

35. Special Address as CHIEF GUEST to 4th International IEEE Conference on Computing and Communication Technologies ICCCT'21, 17 December, 2021 to SRI SAI RAM ENGINEERING COLLEGE, DEPARTMENT OF INFORMATION TECHNOLOGY, Chennai, INDIA.

Thank you for the invitation!

<https://iccct21.org/>

36. General Chair to International Conference Modeling Simulation and Optimization, CoMSO 2021, National Institute of Technology, 16-18 December, 2021, Silchar, INDIA.

<http://comso.nits.ac.in/index.html>

37. Keynote Speaker to 2021 IEEE Second International Conference on Technology, Engineering, Management for Societal impact using Marketing, Entrepreneurship and Talent, 2021 IEEE TEMSMET - An Interdisciplinary Virtual Conference, Symbiosis Institute of Computer Studies and Research, Pune, INDIA.

<https://temsmet2021.sicsr.ac.in/>

### **Other activities**

- She invited Professor Lotfi A. Zadeh from Berkeley University California in Romania and has organized the ceremony for the DrHC of Aurel Vlaicu University of Arad in 03.07.2003.
- She invited Prof. Michio Sugeno in Romania at „Aurel Vlaicu” University of Arad and has organized three seminars in November 2006.
- She invited Professor Veljko Milutinovic from Belgrade University at „Aurel Vlaicu” University of Arad and has organized a seminar in May 2007.
- She invited Prof. Laszlo Koczy from Budapest University and has organized a seminar in May 2008.
- She invited Professor Lakhmi C. Jain from South University of Australia – Adelaide at „Aurel Vlaicu” University of Arad and has organized a seminar in August 2008.
- She invited Prof. Annamaria Varkonyi-Koczy, Obuda University Budapest, to Aurel Vlaicu University, as and IEEE Distinguish Lecturer 2015.
- She invited Prof. Salil Bose, Singapore to Aurel Vlaicu University for an invited seminar, May 2016
- She invited Prof. Bernadette Bouchon-Meunier, Paris VI, to Aurel Vlaicu University, as and IEEE Distinguish Lecturer, October 2016.
- She invited Prof. Dan Ralescu, University of Cincinnati, to Aurel Vlaicu University, December 2016, through a national grant.
- She co-organized the II, III and IV-th editions of the Summer School of Arad - with international participation, in English, at Arad and Moneasa in 2003, 2004, 2005 and 2006 by projects supported by the County Council Arad - the Culture Centre.
- From 2006 she was nominated more than 100 commissions as internal or external evaluator of doctoral thesis in Romania, India, Australia, Finland, Spain, Pakistan, Rwanda, Tanzania.
- 
- She is coordinating the master Automation and Intelligent Systems of the Engineering Faculty of Aurel Vlaicu University of Arad.

- Award: Diploma from IEEE Romania Section – 2005
- Award: Diploma from IEEE Romania Section – 2007
- Award: Diploma from IEEE Romania Section – 2009
- Award: Diploma from IEEE Romania Section – 2011
- September 2007 – CHC<sub>61</sub> - Honorable Mention Award, from The IEEE Computer Society Web Programming Competition, for the project „ 50 Years of Computing in Romania”
- Excellence Award for research activity in 2015 in Aurel Vlaicu University.
- Excellence Award for research activity in 2016 in Aurel Vlaicu University.
- Excellence Award for research activity in 2017 in Aurel Vlaicu University.
- Excellence Award for research activity in 2018 in Aurel Vlaicu University.
- Excellence Award for research activity in 2019 in Aurel Vlaicu University.
- Award of Romanian Academy “Tudor Tanasescu” 2019.
- Excellence Award for research activity in 2020 in Aurel Vlaicu University.
- Excellence Award for research activity in 2021 in Aurel Vlaicu University.

Arad, ROMANIA, 15.08.2022

Professor, Ph.D. Habil. **Valentina E. Balas**

