

Faculty Vitae

Name of the Faculty					
Dr.R.Hari Prakash					
Education					
	Degree	Discipline	Institution	Year	
UG	B.E	Instrumentation & Control Engineering	University of Madras	1996	
PG	M.E	Instrumentation Engineering	Madras Inst. of Tech (MIT) Anna University	2001	
	MBA	Marketing Management	University of Madras	2003	
PhD	PhD	Electronics, Communication & Instrumentation Engineering	Central Instrumentation Research and Service Lab., A.C. Tech Campus University of Madras	2012	
Academic experience					
	Institution	Title	From	To	FT/PT
	Bharath Institute of Higher Education and Research (Deemed to be University) Tambaram	Additional Registrar / Professor	July 2017	Till Date	FT
	Meenakshi and Sri Muthukumarn Group of Institutions, Chennai	Advisor (Academic)	1.02.2012	June 2017	FT
	Arulmigu Meenakshi Amman College of Engineering, Vadamavandal, T.V dist., (Nr Kanchipuram) – 6401410. TamilNadu.	Principal/Dean	1.02.2012	June 2017	FT
	Bharath Institute of Science and Technology, Chennai (Constituent College of Bharath University)	Assistant Professor (E& I Dept.) / Deputy Registrar	24.4.2005	24.08.2010	FT
	All India Council for Technical Education, Indira Gandhi Sports Complex, I.P. Estate, New Delhi – 110 002.	Assistant Director	24.4.2002	23.4.2005	FT
	Bharath Institute of Science and Technology, Selaiyur, Chennai-600073, Tamil Nadu.(Affiliated	Sr. Lecturer	21.8.2001	23.4.2002	FT

to University of Madras)				
Bharath Institute of Science and Technology, Selaiyur, Chennai-600073, Tamil Nadu.(Affiliated to University of Madras)	Lecturer	21.8.1996	20.8.2001	FT

Certifications or Professional registrations

Nil

Membership in professional organizations

- ❖ Life Member in Bio-Medical Engineering, Society of India, Manipal – L557.
- ❖ Life Member in Instrumentation Society of India, Bangalore – L.M.No.1759.
- ❖ Senior Member, Institution of Electrical and Electronics Engineering. (IEEE-USA) 80237533.
- ❖ Life Member in Institution of Electronics and Telecommunication Engineering, New Delhi. M-217117.

Honors and awards

S.No	Name of the Award	Conference/Concerned Authority	Year
1.	Best Paper Award	International Conference on Advances in Human –Oriented and Personalized Mechanisms, Technologies and Services October 26-31, 2008, Silema, Malta.	2008
2.	Editor	Proceedings of International Conference on Advances in Human Oriented and Personalized Mechanisms, Technologies and Services - 22 – 27, August 2010, Ni France.	2010
3.	Reviewer	IEEE Sensors Journal – Scholar One Manuscripts	2014
4.	Reviewer	IEEE Communication Letters – Scholar One Manuscripts.	2014
5.	Selected and Undergone Appreciation Course in Parliamentary Process and Procedures organized by Bureau of Parliament Studies – LOKSABHA held at Parliament of India on 18-20 August, 2010.		2010

6.	Selected under Young Teacher Program for Interaction with Nobel Laureates Eminent personalities at Third Science Conclave: A Congregation of Nobel Laureates, at IIT, Allahabad, held on December 8-14, 2010. Presented my research work to Prof. Roald Hoffmann and Prof. Richard R. Ernst	2010	
Service activities (within and outside of the institution)			
Nil			
List of Publications			
<ul style="list-style-type: none"> ✓ R.Hariprakash et al, “A MODIFIED SURFACE PLASMON RESONANCE INSTRUMENT WITH IMPROVED SENSITIVITY” in the Proc. 31th International exhibition- congress on chemical engineering, environmental Protection and Biotechnology, ACHEMA 2015, Frankfurt am Main, Germany, 15-19, June, 2015. ✓ R.Hariprakash et al, “Wavelet based Alternative Modulation Scheme Provides better reception with fewer errors and good security for wireless communication”, in the Proc. Of International Conference ICSNC 2013 held at Miestre, Italy on 27th -31st Oct 2013. ✓ R.Hariprakash et al, “Hydrodynamics analysis of journal bearing, operating with Nano Lubricants,” in the Proc. Of International Conference organized by WASET, held at Bangkok, Thailand during Dec 2013. ✓ R.Hariprakash et al “ Road to techno Learn and Teach; Future Indian Education System” presented in the FICCI Higher Education Summit 2012 , Organized by Ministry of HRD and Ministry of Planning, Govt. of India held at Federation House, FICCI, New Delhi on 5- 6th Nov 2012 at New Delhi. ✓ R. Hariprakash, S.Ananthi and K.Padmanabhan, “A novel encoding scheme for motion sensor signals for secured communication in process industries” in 30th International exhibition congress on chemical engineering, environmental protection and biotechnology, ACHEMA 2012, Frankfurt am Main, Germany, 18-22, June, 2012 ✓ R. Hariprakash, S.Ananthi, and K.Padmanabhan, “Methods for Improvement in Secured Image Transmission using wavelets for spread spectrum communication between surveillance site and remote monitoring station,” accepted for publication in International Journal on Advances in Security, 2014 issue. ✓ R.Hariprakash, S.Ananthi, and K.Padmanabhan “An Economical Wireless Network Monitored Scheme for Camera Based Intrusion Detection at Unattended Sites,” in Proceedings of IEEE International Conference on Computer Application and Industrial Electronics, IEEE ICCAIE 2011 Penang, pp.125-130, Dec.2011.(DOI 10.1109/ICCAIE.2011.6162122) ✓ R.Hariprakash, S.Ananthi, and K.Padmanabhan, “Performance Comparison of Security 			

Sensors based on Motion" Journal of Instrument society of India, vol. 41 no. 1, pp 5-8 March 2011.

- ✓ R. Hariprakash , S.Ananthi, and K.Padmanabhan, "Performance Comparison of Security Sensors based on Motion," in Proceedings of the 35th National Symposium on Instrumentation (NSI-35), Belgaum, Jan-2011, pp.120. (Extended version published in Journal).
- ✓ R.Hariprakash, S.Ananthi, and K.Padmanabhan, " Secured Image Transmission Using Wavelets For Spread Spectrum Communication in a Remote Surveillance System" in Proceedings of 3rd International Conference on Advances in Human-oriented and Personalized Mechanisms, Technologies and Services, Nice- France, IEEE Computer Society, 2010, pp.61-66.(DOI:10.1109/CENTRIC.2010.15)
- ✓ R.Hariprakash, "Methods for Remotely Controllable Automatic Security Systems" NCI-35 in Proceedings of the National Conference on Latest Techniques in Electronics for use in Scientific Research, University of Madras, 2010, pp-33.
- ✓ R.Hariprakash et al., "Reliability Issues and Improvements in Remote Monitoring Security Systems" International Journal on Advances in Intelligent Systems, ISSN-1942-2679, vol.2, no.2&3, 2009, pp.325-334.
- ✓ R.Hariprakash, S.Palanisamy,and S.Ananthi, "Design of Low Cost Wireless Home and Industrial Automation and Security system using GSM" International Journal on Computer science , System Engineering and Information Technology, ISSN-0974-5807, vol.2, no.2, 2009, pp. 91-96.
- ✓ R.Hariprakash, G.VenkatRamu, T.Rajakumari, S.Ananthi, and K.Padmanabhan, "Some Problems and Methods for Remotely Controllable Automatic Home Security Systems" in Proceedings of 3rd International Conference on Systems and Networks Communications, Malta, 2008, IEEE Computer Society, pp.400-403.
(This paper was judged - awarded a Best Paper Award – 2008
DOI:10.1109/ICSNC.2008.41)
- ✓ R.Hariprakash et al., "Wavelet transform infrared spectrometry for more decisive group identification and automatic analysis" in Proceedings of 28th International exhibition and congress on chemical engineering, environmental protection and biotechnology, ACHEMA 2006, Frankfurt am Main, Germany, pp.239-240.
- ✓ S.Ananthi, R.Hariprakash, V.VidyaDevi, and K.Padmanabhan, "Spread Spectrum Communication using wavelets of signal for more security" in Proceedings of Advanced International Conference on Telecommunication and International Conference on Internet and web applications and services , Guadeloupe - France, IEEE Computer Society, pp.87, 2006. (DOI:10.1109/AICT-ICIW.2006.179)

- ✓ R.Hariprakash, S.Ananthi, K.Padmanabhan and P.Swaminathan, “An Economical Video Networking Scheme For Process Plant Monitoring and Data Transmission” in Proceedings of 36th Mid-Term Symposium & Exhibition on EFCOS – 05 at IISC, Bangalore 2005, pp.313 - 322.
- ✓ R.Hariprakash et al., “Remote Robot Training of its Artificial Neural Network Through GSM Communication” in Proceedings of 3rd International Conference on Systems and Networks Communications, Malta, IEEE Computer Society,2008,pp.355-358. (DOI:10.1109/ICSNC.2008.39)
- ✓ R. Hariprakash et al., “Simple Process Methods and Choice of Input Signals for ANN for Large System” Engineering Today Journal, vol. XI, issue: 10, pp.174-178, 2010.
- ✓ R. Hariprakash et al., “Simple Microcontroller Based Neural Network Schemes for Creative Network Models” in Proceedings of International Conference on Instrumentation , Pune, Jan 2010, pp. 159.
- ✓ R.Hariprakash, “Fabrication of Field Emission Probes and its characteristics” NCI-32 in Proceedings of the National Conference on Latest Techniques in Electronics for use in Scientific Research, 2010, pp-31.
- ✓ R.Hariprakash, R.Vijayarajeshwaran and S.Ananthi, “Soil moisture monitoring In Fields Involving A DSP Based Conductance Bridge For Elimination Of Errors Due To Nonlinear Conductance Of Soil Electrolytes”, in Proc. of National Symposium on Instrumentation, (NSI-28), November 2003, Page No. 23.
- ✓ S.Ananthi, R.Hariprakash, N.Mohan, K.Padmanabhan, “An Instrument For Investigating Control Of Rice Blight Bacteria Using A Microcontroller Based Ozone Generator”, in Proc of National Symposium on Instrumentation, (NSI-28), November 2003, Page No. 34.
- ✓ R.Hariprakash, S.Ananthi, K.Padmanabhan, “Image Collection and Transmission From Agricultural Field Using Data Compression With A Portable Microcontroller Based Instrument”, in Proc. of National Symposium on Instrumentation, (NSI-28), November 2003, pp. 32.
- ✓ Delivered Technical Presentation /Lecture on “Digital Communication and Security Aspects” at Dept. of Instrumentation, CISL University of Madras 8th January 2013.
- ✓ Delivered Technical Lecture on “IEEE Awareness, Resources and Membership Benefits” at Ganadipathy Tulsi College of Engg and Technology, Vellore held on 6th March 2015.
- ✓ Delivered Technical Presentation /Lecture on “Remote Security Monitoring – Advances

& Developments” at Sri Muthukumaran Institute of Technology, 7th July 2014.

- ✓ Delivered Technical Presentation /Lecture on “IEEE Conferences Best Practices in Key Areas at R10 IEEE mini POCO held at Hotel Deccan Plaza on 28th Feb 2016.
- ✓ Delivered Technical Lecture on “IEEE Awareness, Resources and Membership Benefits” and “Research Opportunities in Control Systems” at Faculty of Engineering and Technology, Meenakshi University, Mangadu held on 30th March 2016.

Recent professional development activities

- Session Chair – Communication & Connectivity; Disaster Management; Health Management; in an International Conference IEEE REGION 10 Humanitarian Technology Conference 2014 – R10 IEEE HTC’ 2014 – “ Engineering a Sustainable Future for Humanitarian”, organized by IEEE R10 and IEEE Madras Section held on 6-9th August 2014 at Hotel Hilton, Chennai.
- Research - Institute Chair- CENTRIC 2014 International Conference on Advances in Human Oriented and Personalized Mechanisms, Technologies and Services – 23- 29th October, 2011, France.
- Chairman (2015-2017), IEEE Control System Society, IEEE Madras Section.
- Secretary (2012-2015), IEEE Control System Society, IEEE Madras Section.
- Vice –Chair (Professional Activities) 2014 – IEEE India Council.
- Executive Committee Member (2013-2015), IEEE Madras Section.
- Executive Committee Member (2015-2016), IEEE Madras Section.
- Governing Council Member (2010-2016) – INSTRUMENT SOCIETY OF INDIA, Indian Institute of Science, Bangalore.
- Editorial Board Member - International Journal on Advances in Networks and Services. ISSN: 1942-2644.
- Reviewer – Second International Symposium on Intelligent Systems Technologies and Applications – ISTA 2016, Sep 21-24 2016, India.
- Reviewer- INCONSET 2016 – International Conference on Sustainable Engineering and Technology, 29th September, 2016 Holiday Inn, Malacca Malaysia.
- Reviewer - ICSET 2013 3RD IEEE International Conference on Systems Engineering and technology, by Faculty of Electrical Engg, Universiti of Teknologi MARA, Malayasia, 19-20 August 2013.
- Reviewer - ICSGRC 2013 IEEE 4TH Control and System Graduate Research Collaquium, by Faculty of Electriacl Engg, Universiti of Teknologi MARA, Malayasia, 19-20 August 2013.
- Reviewer – ISCI 2012 and IAPEC 2012 –IEEE Applied Power Electronics Colloquium and IEEE Symposium on Computer and Informatics, 18th - 20th March 2012.
- Reviewer – ICCAIE 2011- IEEE International Conference on Computer Applications and Industrial Electronics Sponsored by IEEE Engineering in Medicine and Biology Malaysia Section, 4th – 7th December 2011, Penang.

- Reviewer – ISWTA 2011- IEEE Symposium on Wireless Technology & Applications Sponsored by IEEE Power Electronics Malaysia Section and Jointly organized by IEEE Industry Electronics and Industrial Applications Society, Research management Institute, Universiti Teknologi, Mara , September 2011, Malaysia.
- Reviewer – ISIEA 2011- IEEE Symposium on Industrial Electronics and Applications Organized by IEEE Malaysia Section and Jointly organized by IEEE Industry Electronics and Industrial Applications Society, Research management Institute, Universiti Teknologi, Mara, 25-28th September 2011, Langkawi Island, Malaysia.
- Research - Institute Chair- CENTRIC 2011 International Conference on Advances in Human Oriented and Personalized Mechanisms, Technologies and Services – 23- 29th October, 2011, Barcelona, Spain.
- EDITOR – Proceedings of International Conference on Advances in Human Oriented and Personalized Mechanisms, Technologies and Services - 22 – 27, August 2010, Nice, France.
- Academic Institute Chair- CENTRIC 2010 - International Conference on Advances in Human Oriented and Personalized Mechanisms, Technologies and Services – 22- 27th August 2010, Nice, France IARIA.
- Reviewer – The 5th IEEE Conference on Industrial Electronics and Applications (ICIEA 2010) held at Taichung, Taiwan during 15 – 17, June 2010 jointly organized by IEEE Industrial Electronic Chapter, Singapore, IEEE Power Electronics Chapter Taipei, National Chung Haing University, Taiwan & IEEE Control Systems Chapter, Taipei.
- Reviewer – Fourth IEEE Conference on Industrial Electronics and Applications (ICIEA 2009) held at Xian, China during 25 – 27, May 2009 organized by IEEE Industrial Electronic Chapter, Singapore & IEEE Xian Section.
- Technical Program Committee Member CENTRIC 2009 – International Conference on Advances in Human Oriented and Personalized Mechanisms, Technologies and Services – 20-25th September 2009, Porto, Portugal. IARIA – IEEE Computer Society, Portugal Chapter.
- Publicity Chair – CENTRIC 2009 – International Conference on Advances in Human Oriented and Personalized Mechanisms, Technologies and Services - 20 – 25, September 2009, Porto, Portugal.