



Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act, 1956)



Important Dates

- Submission of full Papers - Jan 10th, 2026
- Paper acceptance Notification - Feb 11th, 2026
- Submission of Final Version of Paper - Apr 10th, 2026
- Registration Deadline (Early Bird) - Apr 15th, 2026
- Conference Date - May 6th to 8th, 2026

IEEE Global Conference on High-Performance Computing for Next-Generation Engineering Innovations (GCHPC '26)

Organized By

School of Computing
Department of Computer Science and Engineering
BIHER

MAY 6th - 8th 2026



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- Dr. Adeline Sneha J, Senior Lecturer, Asia Pacific University of Technology and Innovation, TPM Kuala Lumpur, Malaysia
- Dr. Suresh Palarimath, Information Technology Department, College of Computing and Information Sciences, University of Technology and Applied Sciences Salah, Sultanate of Oman

Speakers



Dr. K. Chandrasekaran

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All the accepted and registered paper will be submitted for possible inclusion in IEEE Xplore.



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Paper Submission

Authors are invited to submit their papers in the link.

<https://cmt3.research.microsoft.com/ICHPCconf2024>

Registration Fee

It is mandatory that one author of each accepted paper should register for the conference.

Category of Delegates / Authors	Early Bird, on or before 14th April, 2026		After 14th April, 2026		Spot Registration	
	IEEE members	General	IEEE members	General	IEEE members	General
Indian Authors & Delegates (in INR ₹)						
Full time students	6500	8000	9000	10000	10000	11000
Teachers / Research scholars	9000	10000	10000	11000	11000	12000
Industry	11400	14000	12200	15000	13000	16000
Foreign Authors & Delegates (in USD \$)						
Teachers / Research scholars	480	600	560	700	720	900
Industry	560	700	640	800	800	1000

* Registration fee includes conference kit, refreshment and lunch.

Registration Link



<https://forms.gle/h3DopQxu4rITVQmh8>

Online Transaction

Account No - 4557000100000675
 Account Name - The Principal BIST
 IFSC Code - PUNB0455700
 Bank Name - Punjab National Bank
 Branch - Chennai - BIHER, Tambaram



Call for Papers

GCHPC 2026 invites original and unpublished research articles / papers and case studies from researchers, academicians, students, industrialists, domain experts etc.,. Papers will be reviewed by Peer and Expert Teams. Research papers are invited on any one or more in the following mentioned tracks, but not limited to.

Conference Topics

Track 1

Artificial Intelligence & Machine Learning for HPC:

- Deep learning frameworks on HPC
- Federated learning and edge intelligence
- AI-driven optimization for scientific computing

Track 3

HPC in Electrical & Energy Systems (EEE):

- Smart grids and renewable energy optimization
- Power system simulation and control using HPC
- HPC for robotics, automation, and control systems

Track 5

HPC in Civil & Environmental Engineering:

- Smart city planning and urban simulation
- Earthquake, flood, and climate modeling
- Sustainable infrastructure design using HPC

Track 2

HPC in Communication & Electronics (ECE):

- High-performance computing in scientific simulations and modeling
- 5G/6G networks and beyond
- Signal/image/video processing on HPC platforms
- VLSI design, FPGA, and embedded HPC systems

Track 4

HPC in Mechanical & Aerospace Engineering:

- Computational fluid dynamics (CFD)
- Finite element analysis (FEA) and structural simulations
- Digital twins and real-time simulations

Track 6

Healthcare & Biomedical Applications:

- Genomics and bioinformatics on HPC platforms
- Medical imaging and diagnostics using HPC
- Drug discovery and personalized medicine

About the Conference

We are thrilled to announce the launch of the first-ever Global Conference on High-Performance Computing for Next-Generation Engineering Innovations (GCHPC 26) organized by the Department of Computer Science, BIHER, which will be held in physical mode. This conference marks the first instalment of the GCHPC series in 2026, aiming to provide a premier platform for researchers, scientists, and industry professionals across diverse disciplines to showcase their latest contributions in advanced computing fields. GCHPC endeavours to update and engage young minds from various educational and industrial backgrounds with cutting-edge advancements in high-performance computing, parallel processing, distributed systems, cloud computing, artificial intelligence, machine learning, cybersecurity, data analytics, fostering an environment conducive to sharing recent research findings and perspectives. With a broader vision of equipping young engineers, researchers, and faculty members with the necessary skills to tackle future challenges effectively, BIHER has curated a comprehensive program featuring plenary sessions, keynote speakers, invited talks, and contributory papers/poster presentations. Join us at GCHPC as we embark on a journey of knowledge exchange and professional development in the realm of High-Performance Computing.

About BIHER

Bharath Institute of Higher Education and Research (BIHER) started with Sri Lakshmi Ammal Educational Trust as the first self-financing Engineering College in Tamil Nadu in 1984 by Dr. S. Jagathrakshakan. The trust then established Sree Balaji Dental College and Hospital in 1989. Sree Balaji Dental College and Hospital was first recognized as a Deemed to be University by MHRD in July 2002, under section 3 of the UGC Act 1956 and placed under the purview of the new trust of Bharath Institute of Higher Education and Research (BIHER). The Bharath Institute of Science and Technology (BIST) and other institutions (below) were then brought under the ambit of the Bharath Institute of Higher Education and Research (BIHER). Thus, Bharath Institute of Higher Education and Research (BIHER) is providing multi-stream, multi-cultural and high-quality education to nearly 10000 students from around the world. It is functioning in a sprawling area of 603 acres of land with 1.3 crore sq. ft buildings located in 6 Campuses both in Tamil Nadu and Puducherry with state-of-the-art infrastructure facilities. There are qualified Teaching Faculty members to teach various UG and PG programmes and guide them.



Global Conference on High-Performance Computing for Next-Generation Engineering Innovations - GCHPC '26 May 6th to 8th, 2026



Dr. S. Jagathrakshakan
CHAIRMAN & FOUNDER



Dr. Sandeep Anand
PRESIDENT



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<https://www.bharathuniv.ac.in/GCHPC-26/>



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