



हाइपीसी HiPC CALL FOR PARTICIPATION

26TH IEEE INTERNATIONAL CONFERENCE ON
HIGH PERFORMANCE COMPUTING,
DATA, AND ANALYTICS
DECEMBER 17-20, 2019
HYDERABAD, INDIA

HiPC 2019 is the 26th edition of the IEEE International Conference on High Performance Computing, Data, and Analytics. It serves as a forum to present current work by top researchers in the field and to highlight the activities in the area of high performance computing and related scientific, engineering, and commercial applications.

KEYNOTE SPEAKERS



JOSÉ ROBERTO ALVAREZ
Senior Director - Intel
Technology and Innovation CTO Office
Network and Custom Logic Group



RAMESH HARIHARAN
Chief Executive Officer
Strand Life Sciences



MARK PAPERMASTER
Chief Technology Officer and
Executive Vice President, AMD



VIVEK SARKAR
Professor, Georgia
Institute of Technology

General Co-Chairs: Chiranjib Sur, Shell, India and Yinglong Xia, Facebook, USA
Program Chair, HPC: Ananth Kalyanaraman, Washington State University, USA
Program Chair, Data Science: George Karypis, University of Minnesota, USA
Steering Chair: Viktor K. Prasanna, University of Southern California, USA

INDUSTRY PARTNERS



CO-SPONSORED BY



HiPC Education Trust

IN COOPERATION



TECHNICAL SESSIONS

The conference technical program held on days 2, 3, and 4 will include plenary sessions consisting of keynote talks, and three days of single-track presentations of peer-reviewed papers from all over the world. This year the technical program will comprise of 39 technical paper presentations, reporting recent advances in topical areas of high performance computing and scalable data science.

WOMEN IN COMPUTING

The meeting will host a Women in Computing event to provide a platform for women technologists to participate, present their work and popularize opportunities, challenges, and solutions, in the realm of responsible use of computing.

STUDENT RESEARCH SYMPOSIUM

The meeting will host the 12th Student Research Symposium (SRS) aimed at fostering student research and providing a forum for students to present their work in all areas related to HPC and Data Science.

TUTORIALS

- GPU Programming Made Easy with OpenMP, IBM
- Deep Learning for Computer Vision Applications: A Case Study, Ericsson

INDUSTRY RESEARCH & USER SYMPOSIUM AND INDUSTRY EXHIBITS

- Artificial Intelligence in Drug Development
- Artificial Intelligence at Scale - Challenges and Best Practices

Additionally, on days 2 and 3, there will be a full program of industry exhibits and events.

FOSTERING TIGHTER INDUSTRY ACADEMIA PARTNERSHIP

The meeting will host of Birds of a Feather session with invited panelists who are leaders in Academia and Industry to discuss current challenges in enabling a tighter partnership and their ideas on addressing them.

WORKSHOPS

- Multi-tier Data Pipelines from Edge to the Cloud Data Centers
- Data Science for Future Energy Systems
- Education for High Performance Computing (EduHiPC)