MEET YOUR PEERS, SIZE UP YOUR RIVALS AT ISC 2019

Be among the 3,500 members of the HPC research and commercial sectors at the largest HPC community forum in Europe to exchange ideas that will shape the industry and the community. The Program Chair Prof. Dr. Yutong Lu and the program committee have selected an array of contemporary topics that will introduce attendees to different technologies that are fueling innovation in HPC.

BECOME A CONTRIBUTOR

Research Papers, Research Posters, PhD Forum, Project Posters, Birds of a Feather, Tutorials and Workshops are now open for community participation.

PRE-SUBMISSION DEADLINE (Workshops only!)

Wednesday, November 28, 2018

FULL SUBMISSION DEADLINE

| Research Papers | December 12, 2018 |
| Tutorials       | February 06, 2019 |
| Project Posters | February 06, 2019 |
| PhD Forum       | February 13, 2019 |
| Workshops (regular) | February 13, 2019 |
| Birds of a Feather | February 20, 2019 |
| Research Posters | February 27, 2019 |
A MESSAGE FROM THE 2019 PROGRAM CHAIR

“I will do my best to improve the technical program, expand the range of participants, and present a conference that allows more people to take advantage of the latest technology developments in HPC.”

Prof. Dr. Yutong Lu, National Supercomputing Center in Guangzhou, China

Prof. Yutong Lu is the Director of NSCC in Guangzhou, China. Her extensive research and development work has spanned several generations of domestic supercomputers in China, which includes her role as the deputy chief designer of the Tianhe supercomputers. She is also leading a number of HPC and big data projects under the support of the Chinese Ministry of Science and Technology, the National Natural Science Foundation of China, and Guangdong Province.

General Co-Chairs | Martin Meuer and Thomas Meuer, ISC Group, Germany
Program Chair | Yutong Lu, National Supercomputing Center in Guangzhou, China
Research Papers Chair | Carsten Trinitis, Technical University Munich, Germany
Research Posters Chair | Sunita Chandrasekaran, University of Delaware, USA
Project Posters Chair | Ekaterina Tyutlyeva, RSC Technologies, Russia
PhD Forum Chair | Florina Ciorba, University of Basel, Switzerland
BoF Chair | Simon McIntosh-Smith, University of Bristol, UK
Tutorials Chair | Sandra Wienke, RWTH Aachen University, Germany
Workshops Chair | Sadaf Alam, Swiss National Supercomputing Center, Switzerland
Proceedings Chair | Michèle Weiland, EPCC, UK
Industrial Day Chair | Andreas Wierse, Sicos BW, Germany
Machine Learning Day Chair | Yu Wang, Leibniz Supercomputing Centre, Germany
HPC in Asia Program Chair | Kengo Nakajima, The University of Tokyo, Japan
Diversity Chair | Kim McMahon, Cloud Foundry Foundation, USA
PROGRAM FOCUS

The conference will cover a multitude of rapidly evolving topics that are critical to the development of the high performance computing field. This year we present 13 topics, which will be addressed in various thought-provoking sessions.

HERE ARE OUR TOPICS FOR 2019:

- Next-Generation High Performance Components
- Exascale Systems
- Extreme-Scale Applications
- HPC and Advanced Environmental Engineering Projects
- Parallel Ray Tracing -- Visualization at its Best
- Blockchain Technology and Cryptocurrency
- Parallel Processing in Life Science
- Quantum Computers/Computing
- What’s New with Cloud Computing for HPC
- Parallel Programming Models for Extreme-Scale Computing
- Workflow Management
- Machine Learning and Big Data Analytics
- Deep Learning and HPC – State of the Art

EXHIBITION

As the most important HPC event in Europe, all top players in the industry with a stake in HPC are at the ISC Exhibition. This is a must-attend event for organizations and users in HPC, storage, networking, AI/machine learning, big data and cloud computing.
ISC ATTENDEE CATEGORIES

ISC attracts among others regional and international HPC users from universities, government laboratories, life sciences, weather/climate, energy, defense/security, aeronautics, automotive, chemical engineering, electronic engineering, financial services and retail.

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<th>Category</th>
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<tr>
<td>Academia</td>
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<td>Industry</td>
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<td>Students</td>
<td>14%</td>
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<td>Media</td>
<td>3%</td>
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Source: ISC 2018 Attendee & Exhibitor Surveys

ATTENDEE COMMENTS

“It’s a must for my professional existence.”
Marek Michalewicz, University of Warsaw

“I like attending ISC High Performance given the high quality talks.”
Arthur Bland, Oak Ridge National Laboratory

“Attending ISC every year is crucial for our business. It gives us a one-stop opportunity to meet with many customers who we might otherwise have to travel long distances to reach, as well as the chance to check out what our competition and partners are bringing to the market.”
Heather Stephens, ClusterVision
162 EXHIBITORS AND GROWING

Our returning exhibitors come from over 27 countries and they include providers of applications, cloud services, cluster management tools, consulting, data center equipment, data management & analytics, data storage, machine learning/deep learning, file systems, memory technologies, networks/interconnects, processors, research, software development tools and libraries, systems and servers and visualization.

TOP REASONS TO EXHIBIT

REACH YOUR AUDIENCE

ISC attracts over 3,500 HPC users, buyers and influencers seeking first-hand information on the latest supercomputing developments, products and solutions.

HIGHLIGHT YOUR VALUE

In the crowded field of HPC solutions providers, ISC offers one of the best opportunities to distinguish yourself from the rest of the crowd.

PROMOTE YOUR BRAND

Represent your company at the largest HPC event in Europe that draws significant media attention.

Exhibits Sales:

Mr. Josiah Tabor
sales@isc-group.com
FRANKFURT – THE CONFERENCE DESTINATION

- World’s third-largest exhibition facility
- Major transportation hub for Europe
- Huge range of hotels and restaurants
- A truly international city

LOCATION MAP