ISC 2019 Call for Project Posters

PLEASE NOTE: The Call for Project Posters is closed!

The project poster session is an excellent opportunity to present information about your research ideas and projects at ISC 2019. With more than 3,500 participants, ISC has established itself as the HPC event in Europe to disseminate ongoing and future research work, as well as foster discussion within the community, and engage in international cooperation.

We introduced the project poster session as a new track in 2017 to give scientists a platform for information exchange and due to its success continue this session. For attendees the project posters are an opportunity to gain an overview of new developments, HPC research and engineering activities. In contrast to the dissemination of research results in the research poster session, project posters enable participants to present ongoing and emerging projects by presenting fundamental ideas, methodology and preliminary work. Researchers with upcoming and recently funded projects are encouraged to submit a poster of their work. Those with novel project ideas are invited to present as well.

Attendance will require an Exhibition Pass. Please find the ISC 2019 registration fees here.

Important dates

<table>
<thead>
<tr>
<th>Submission Deadline</th>
<th>Closed</th>
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<tr>
<td>Notification of Acceptance</td>
<td>March 27, 2019</td>
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<tr>
<td>Project Posters on Display (Exhibition Hall)</td>
<td>June 17 – June 19, 2019</td>
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<tr>
<td>Informally Poster Presentation</td>
<td>Tuesday and Wednesday afternoon during coffee breaks</td>
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Chair - Ekaterina Tyutlyaeva
From all project posters submitted to the conference, the ISC 2019 Project Poster Committee, which is headed by Ekaterina Tyutlyaeva, RSC Technologies, with Dr. Philipp Neumann, Deutsches Klimarechenzentrum (DKRZ)/Universität Hamburg, as Deputy Chair has selected the following project posters for presentation at ISC 2019:

- (PP01): TaLPas: Task-Based Load Balancing and Auto-Tuning in Particle Simulations
- (PP02): The Virtual Institute for I/O and the IO-500
- (PP03): NeIC Presents Nordic Project Highlights: Nordic Resource Exchange & Highly-Available Storage Within Nordic LHC Tier-1
- (PP04): The HPC PowerStack: A Community-Driven Collaboration Towards an Energy Efficient Software Stack
- (PP05): Performance Conscious HPC (PeCoH) - 2019
- (PP06): The International HPC Certification Program
- (PP07): ESiWACE: A European Centre of Excellence for Future Exascale Climate and Weather Predictions
- (PP08): Rootless Containers with Udocker
- (PP09): EPEEC: Productivity at Exascale
- (PP10): EuroEXA - EU ExaScale Co-Design Project
- (PP11): Middleware for Memory and Data-Awareness in Workflows (Maestro)
- (PP12): ICEI: HPC Centres Delivering Federated E-Infrastructure Services
- (PP13): OCRE Cloud Benchmarking Validation Test Suite
- (PP14): Advanced Computation and I/O Methods for Earth-System Simulations
- (PP15): EXAHDF - Current Work on Scalable and Fault-Tolerant Plasma Simulations
- (PP16): The Movement Toward HPC Inclusivity: Achieving On-Demand Accessibility of High Performance Computing (HPC) in Ephemeral Projects Utilising the Alces Gridware Project
- (PP17): Secure Data Processing on Shared HPC Systems
- (PP19): Heterogeneous Computing for Deep Learning
- (PP20): An Implementation of International Data Cloud
- (PP21): LOWAIN Project (LOW Arithmetic INTensity Specific Architectures)
- (PP22): OpenFPM for Scalable Particle-Mesh Codes on CPUs and GPUs
- (PP23): MLS: Multilevel Scheduling in Large Scale High Performance Computers
- (PP24): Helping You Improve Software Sustainability and Development Productivity: An Overview of the IDEAS Project
- (PP25): Holistic Approach to Power Management in HPC
- (PP26): Quantum Natural Language Processing
- (PP27): SPH-EXA: Optimizing Smoothed Particle Hydrodynamics for Exascale Computing
- (PP28): Evolutionary Convolutional Neural Network for High Energy Physics Detector Simulation
- (PP29): Cygnus: A Multi-Hybrid Supercomputing Platform with GPUs and FPGAs
- (PP30): Deep Learning for Satellite Imagery

AREAS OF INTEREST

Project posters are intended to cover all areas of interest as listed in the call for research papers.
SUBMISSION & REVIEW PROCESS

Submission (The Call for Project Posters is closed!)

Required information:

- Poster title
- Poster author information
- Short poster abstract (250 words maximum)
- Topic area (as listed in the call for research papers)
- One to five keywords
- Draft of the poster as PDF file, 1 page maximum (the final poster may not exceed A0 portrait paper size (841 mm x 1189 mm/33.1” x 46.8”) or A1 landscape paper size (594 mm x 841 mm/23.4” x 33.1”). As a guideline for the content, the following information is considered to be relevant:
  - Runtime of the project
  - Participating partners
  - Pursued approach and methodology
  - Current status of the project
  - Excerpt of intermediate/Preliminary results
  - Roadmap, in particular the next steps

Review

- Light-weight review to give many people the chance to present ideas and projects
- Criteria: quality of the presentation and relevance for attendees (see guidelines above)
- Committee feedback to improve submissions
- Supported by shepherding to ensure high-quality posters

Final decision (March 27, 2019)

- Selection of Project Posters
- Notification of authors

TERMS & CONDITIONS
By submitting a project poster proposal, you agree to present the poster at ISC High Performance 2019 in Frankfurt, Germany. You also agree that ISC may publish your poster in the online conference program and the ISC 2019 conference proceedings.

Poster presenters need to be registered ISC 2019 participants, and only posters of registered presenters will be admitted.

There will be project poster presentations on Tuesday, June 18, and Wednesday, June 19, during the afternoon coffee breaks. Please ensure that at least one presenter from your team is available to present your project.

Poster presenters are responsible for creating, printing and transporting their posters to the conference. The final poster may not exceed A0 portrait paper size (841 mm x 1189 mm/33.1” x 46.8”) or A1 landscape paper size (594 mm x 841 mm/23.4” x 33.1”). The ISC organizers will provide poster boards, numbers, QR codes, topic areas, tape etc. for the poster session.

Travel, accommodation, registration fees and other such costs will not be covered by the ISC organizers.

Attendance will require a Exhibition Pass.

PRESENTATION SLIDES FOR ATTENDEES

In addition to publishing PDFs of the project posters in the online conference program, the ISC organizers will also include them in the ISC 2019 proceedings, which will be made available to attendees a week after the event. ISC 2019 attendees will receive an e-mail with the access link.

ISC 2019 Project Posters Committee

From all project posters submitted, the Project Posters Committee selects the ones for presentation at ISC.

- Ekaterina Tyutlyaeva, RSC, Russia (Chair)
- Dr. Philipp Neumann, Deutsches Klimarechenzentrum (DKRZ)/Universität Hamburg, Germany (Deputy Chair)
- Alvaro Aguilera, Technische Universität Dresden, Germany
- Samar Aseeri, KAUST, Saudi Arabia
- Valeria Bartsch, Fraunhofer ITWM, Germany
- Peter Dueben, ECMWF, United Kingdom
- Anja Gerbes, Center for Scientific Computing, Germany
- Weicheng Huang, National Center for High-Performance Computing, Taiwan
- Nabeeh Jumah, University of Hamburg, Germany
- Julian Kunkel, University of Reading, UK
- Martin Lanser, Universität zu Köln, Germany
• Glenn K. Lockwood, Lawrence Berkeley National Laboratory, USA
• George S. Markomanolis, Oak Ridge National Laboratory, USA
• Ying Qian, East China Normal University, China
• Yuichi Tsujita, RIKEN AICS, Japan
• Benjamin Uekermann, TUM, Germany
• Tobias Weinzierl, Durham University, UK
• Tianqi Xu, Tokyo Institute of Technology, AIST, Japan
• Rio Yokota, Tokyo Institute of Technology, Japan