



## CALL FOR PAPERS

ISC is Europe's leading international conference and trade fair for supercomputing, networking and storage. It provides an unrivaled platform to meet with the key decision makers from the HPC industry over 4 days under one roof. Taking place in Hamburg, Germany, June 23–26, 2009, this jam-packed event is the best place to be in '09 to learn about the most important developments in these fast-growing fields. An exceptional line-up of speakers, a world-class HPC show and great networking opportunities will draw some 1,500 participants.

### SCIENTIFIC SESSIONS



The Scientific Sessions on Tuesday, June 23, 2009, are first-class open forums for engineers and scientists in academia, industry and government to present and discuss issues, trends and results that will shape the future of high performance computing and networking.

We encourage submission of high-quality papers reporting original work in theoretical, experimental and

industrial research and development in the following areas:

#### APPLICATIONS

- Large-scale applications of science and engineering modeling, simulation and design
- Computation workflows for life-sciences
- Data-intensive and massive I/O computing

#### SYSTEM ARCHITECTURE

- Multicore/Manycore and GPU-based architectures
- High performance I/O systems
- High-speed networks for large computer system architectures

#### LARGE-SCALE SYSTEM ORGANIZATION

- Cloud computing
- Grid computing

#### GENERAL INTEREST

- Performance analysis and tuning on massively parallel systems
- Energy efficiency

**PAPER SUBMISSION.** Full papers of not more than eight pages should be submitted in PDF format to [cfp@supercomp.de](mailto:cfp@supercomp.de) by Sunday, February 1, 2009. The language has to be English. Please indicate in your accompanying email the name and address of the corresponding author and the topic area according to our list. Papers will be peer-reviewed by three reviewers and will be evaluated based on their novelty, fundamental insights and potential for long-term contribution.

By proposing a paper you agree to present the paper at ISC'09 in Hamburg, Germany.

#### IMPORTANT DATES

Full Papers Submission Deadline	February 1, 2009
Notification of Acceptance	March 20, 2009
Scientific Sessions	June 23, 2009

**PROCEEDINGS.** A maximum of 24 accepted papers will be published in a special edition of "Computer Science – Research and Development", Springer Verlag, Germany, available at ISC'09 from June 23 on. For details on the author guidelines, please refer to section "Terms and Conditions" at our website at [www.isco9.org/cfp](http://www.isco9.org/cfp).



## CALL FOR PAPERS

**ISC AWARDS.** The ISC'09 Award Committee will choose two papers for the ISC Awards, which will be presented to the winners during the ISC'09 Opening Session. Intel and Sun Microsystems will each sponsor one of the ISC'09 Awards.



**PRACE AWARD.** It will be the second time the PRACE Award will be presented at the ISC Opening Session. PRACE, the Partnership for Advanced Computing in Europe, will award a prize to the best scientific paper by a European student or young scientist in one of the following areas:

- Algorithms or implementations that can expose scalability on many thousands of processors
- A breakthrough in science achieved with massively parallel high performance computing resources
- Novel approaches to evaluate the performance of applications on massively parallel architectures

The winner chosen by the ISC'09 Award Committee will receive a PRACE sponsorship for the participation in a training event or a conference relevant to petascale computing.

The authors of the ISC and PRACE Award winning papers will have the opportunity to give a **keynote talk** on their work during the Scientific Sessions on Tuesday, June 23.

### ISC'09 SCIENTIFIC PROGRAM COMMITTEE

- Galen Gisler, University of Oslo, Norway
- Lutz Gross, University of Queensland, Australia
- Werner Hansmann, University of Hamburg, Germany
- Wolfgang Hiller, AWI for Polar & Marine Research, Germany
- Sverre Jarp, CERN, Switzerland
- Karl Kaiser, University of Hamburg, Germany
- Fang-Pang Lin, NCHC, Taiwan
- Thomas Ludwig, University of Heidelberg, Germany (Chair)
- Allen D. Malony, University of Oregon, USA
- Satoshi Matsuoka, Tokyo Institute of Technology, Japan
- Federico Massaioli, CASPUR, Italy
- Wolfgang E. Nagel, Technische Universität Dresden, Germany
- Michael M. Resch, HLRS Stuttgart, Germany
- Erich Strohmaier, Lawrence Berkeley National Laboratory, USA
- Andrew B. White Jr., Los Alamos National Laboratory, USA

### ISC'09 LOCAL ORGANIZING COMMITTEE

- Werner Hansmann, University of Hamburg, Germany
- Karl Kaiser, University of Hamburg, Germany
- Peer Steldinger, University of Hamburg, Germany

### ISC'09 AWARD COMMITTEE

- Arndt Bode, Technical University Munich, Germany
- Jack Dongarra, University of Tennessee, USA
- Terry Hewitt, EDS, UK
- Thomas Ludwig, University of Heidelberg, Germany
- Wolfgang E. Nagel, Technische Universität Dresden, Germany
- Michael M. Resch, HLRS, Germany (Chair)
- François Robin, CEA, France
- Satoshi Sekiguchi, AIST, Japan
- Horst Simon, Lawrence Berkeley National Laboratory, USA

If you have any questions or comments, please contact [cfp@supercomp.de](mailto:cfp@supercomp.de) or visit our website at [www.isco9.org](http://www.isco9.org).

### ISC'09 CONFERENCE LOCATION – JUNE 23–26, 2006

CCH – Congress Center Hamburg  
Am Dammtor/Marseiller Straße  
20355 Hamburg, Germany  
[www.cch.de](http://www.cch.de)