



## International Supercomputing Conference Issues Call for Papers for 2008 Event

**DRESDEN, Germany – ISC '08, the 23rd meeting of the International Supercomputing Conference, is seeking papers from researchers in computing and scientific disciplines reporting original work in theoretical, experimental and industrial research and development. The deadline for submissions is Tuesday, Feb. 19.**

ISC '08, the premier supercomputing event in Europe, will be held June 17-20 in Dresden, Germany. Selected papers will be presented on June 17 as part of Scientific Day, an open forum for engineers and scientists in academia, industry, and government to present and discuss issues and trends that will shape the future of high performance computing and networking.

The conference seeks papers reporting original work in theoretical, experimental, and industrial research and development on the following topics:

- Advances in very large-scale applications of science and engineering modeling, simulation and design
- Successful implementation and deployment of large-scale grid-enabled systems
- Computation pipelines and workflows for life sciences, especially computational biology and biological data integration
- High performance computer architectures
- Data-intensive and I/O computing
- Scalable tools for performance analysis and tuning for hundreds and thousands of PEs
- High-speed system area networks for large computer system architectures
- Measurement and modeling of grid middleware and applications

Two papers will be selected for awards. Authors of the winning papers will each receive a high-end workstation based on the latest Intel® Xeon® processor or Intel® Core™2 Quad processor. The conference also plans to publish selected papers in a special issue of *Concurrency and Computation: Practice and Experience*.

Now in its 23rd year, ISC is the longest-running conference for the high performance computing community, offering a strong three-day technical program with a wide range of expert speakers and exhibits from leading research centers and vendors. A number of events compliment the technical program and exhibits, including Scientific Day, Birds of a Feather (BoF) sessions, a poster session, Exhibitor Forum and the popular "Hot Seat Sessions" featuring leaders from industry and research centers. The conference has experienced tremendous growth over the last few years, attracting a record 1,213 participants from 47 countries in 2007. All conference programs are presented in English.

"The conference has grown up over the years and is recognized as the most important supercomputing event in Europe," said Conference Chairman Prof. Hans Werner Meuer of the University of Mannheim. "The size of our conference and the mix of people who attend allows for some very interesting discussions and productive interactions. Scientific Day should be particularly exciting, and we look forward to papers on research results that will shape the future of high performance computing and networking."



Papers should be submitted in English. Extended abstracts of not less than four pages but not more than 6,000 words should be submitted in electronic form (pdf or doc) to [cfp@supercomp.de](mailto:cfp@supercomp.de) by Feb. 19. Abstracts should clearly describe the contents, relevance and originality of the contribution. The topic area should be indicated and important references must be included. All papers will be refereed and authors will receive notification of acceptance by May 1.

Members of the ISC Paper Awards Committee are Michael Resch, Germany, Chair; Arndt Bode, Germany; Herbert Cornelius, Germany; Jack Dongarra, USA; Pierre Leca, France; Thomas Ludwig, Germany; Wolfgang E. Nagel, Germany; Ron Perrot, UK; Satoshi Sekiguchi, Japan; and Horst Simon, USA.

Members of the Scientific Day Program Committee are Wolfgang E. Nagel, Germany, Chair; Galen Gisler, Norway; Lutz Gross, Australia; Pierre Leca, France; Thomas Lippert, Germany; Allen D. Malony, USA; Frederico Massaioli, Italy; Kenichi Miura, Japan; Luc Moreau, UK; Jaroslav Nadrchal, Czech Republic; Michael Resch, Germany; Ulrich Ruede, Germany; Felix Schuermann, Switzerland; Erich Strohmaier, USA; and Mateo Valero, Spain.

ISC '08 will be held in Dresden, one of Germany's "Cities of Science." The city has a long history of technical innovation and is home to a growing number of high technology industries and research institutions. For more information about the conference, please see <http://www.isco8.org>.