



International Supercomputing Conference Targets Researchers, IT Managers and Industry Decision Makers with Preconference Programs

Register online through May 19 for a reduced rate

DRESDEN, Germany—If you're interested in how automakers use high performance computing to design the next generation of vehicles, in cutting-edge scientific discoveries made possible by large-scale applications, or in how to effectively operate a cluster computing center, then plan on arriving at the 2008 International Supercomputing Conference (ISC'o8) a day early.

ISC'o8, Europe's premier high performance computing event, will feature three one-day preconference programs: HPC Requirements for the Automotive Industry; Scientific Sessions I and II; and Efficient Operation of Clusters in Computing Centers. The pre-conference sessions will take place the afternoon of Tuesday, June 17, the day before the ISC technical program begins.

The conference runs through June 20 at the International Congress Center in Dresden. All sessions are conducted in English. Participants can register for the preconference sessions and the technical program at <http://www.isc.org/registration/>. Advance registration ends May 19, and those who register by the deadline will receive a discount.

"These preconference events are an important part of the overall conference experience and give people another reason to attend ISC'o8," said Conference Chair Prof. Hans Werner Meuer. "The sessions are a chance for them to focus in great detail on specific topics of interest. Attendees can talk informally with industry leaders, with scientific researchers from around the globe and with IT experts from some of the world's most respected technology firms."

The automotive session will focus on HPC trends in the automotive industry and on the crucial role played by HPC systems in helping automakers succeed in the increasingly competitive global market. Discussion topics will include the challenges faced by managers of automotive industry IT environments and computing infrastructures best suited to meet the needs of the automotive industry. High performance computing applications and visual simulations used to improve automotive design and reduce costs also will be featured. Learn more at www.isco8.org/automotive



The new preconference session on clusters in computing centers will provide IT managers, computing system manufacturers and computing center users with in-depth information about the important issues related to developing and maintaining a computing center of commodity-based clusters. Speakers will discuss performance and optimization issues, software challenges, developments in security, data management and energy consumption, and more. The session is designed to help businesses, universities and research centers choose clusters that best fit their needs and optimize their existing clusters. Learn more at www.isco8.org/cluster.

Scientific Day sessions will showcase the best scientific papers submitted through the conference's call for papers. Two papers will be chosen by the ISC Scientific Program Committee to receive the ISC Award. Topics to be covered will be:

- Advances in very large-scale applications for science and engineering modeling, simulation and design (or capability computing)
- Successful implementation and deployment of large-scale, grid-enabled systems
- Computation pipelines and workflows for the 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 & applications

More information on Scientific Day can be found at www.isco8.org/scientific.

ISC, which marks its 23rd anniversary in 2008, has a well-established reputation for presenting well-founded, precise and up-to-date information in an environment that encourages informal conversations and sharing of ideas. ISC is also the largest high performance computing exhibition in Europe, and 90 of the leading hardware, software and services vendors are expected to fill the exhibition hall in Dresden during ISC'o8. To learn more about the conference program, please visit the ISC'o8 website at <http://www.isco8.org/>