# **Press Release**

For immediate release

June 17 - 21, 2012, Hamburg, Germany

### Share Your Expertise on a Global Scale: ISC'12 Accepting Papers, Tutorials

## Jan. 22 Submission Deadline for Europe's Largest HPC Conference

HAMBURG, Germany, January 9 — The 2012 International Supercomputing Conference (ISC'12) is now accepting full papers and tutorial proposals for ISC'12, to be held June 17-21 in Hamburg. The ISC'12 Call for Papers is supported by the IEEE Germany Section.

The deadline for research paper and tutorial submissions is Sunday, January, 22, 2012. Please refer to the <a href="ISC'12">ISC'12</a> website for full submission guidelines or contact info.scientificsession@iscevents.com and info.tutorial@iscevents.com.

ISC'12 is the 27<sup>th</sup> conference in the series and is expected to draw 2,400 attendees from academia, research institutions and industry around the world. An estimated 160 leading organizations will showcase their products and research in the ISC exhibition.

High-quality research papers reporting original work in theoretical, experimental and industry research and development are sought in the following areas:

- Architectures (multicore/manycore systems, heterogeneous systems, network technology and programming models)
- Algorithms and Analysis (scalability on future architectures, performance evaluation and tuning)
- Large-Scale Simulations (coupled simulations, industrial simulations and data visualization)
- Future Trends (Exascale HPC, HPC in the Cloud)
- Storage and Data (file systems and tape libraries, data intensive applications and databases)
- Software Engineering in HPC (application of methods, surveys)
- Supercomputing Facility (batch job management, job mix and system utilization and monitoring and administration tools)

A new topic for 2012 is Scalable Applications: 50k+. The Research Paper committee encourages scientists to submit results which demonstrate scaling of an application to more than 50,000 cores.

#### **Technical Paper Awards**

Two awards will be given to the most outstanding papers. The German Gauss Center for Supercomputing sponsors the <u>Gauss Award</u>, which will be assigned to the most outstanding paper in the field of scalable supercomputing.

The <u>PRACE</u> (the <u>Partnership</u> for <u>Advanced Computing</u>) <u>Award</u> which will be awarded to the best scientific paper by a European student or scientist in the following areas – a breakthrough in science achieved with high performance computing resources, algorithms or implementations that achieve significant improvements in scalability and novel approaches to performance evaluation on massively parallel architectures.



# **Press Release**

For immediate release

June 17 - 21, 2012, Hamburg, Germany

### **Proposals for Tutorials**

The ISC'12 Tutorials are intended as educational events that cover all areas as listed on the Call for Research Papers. However, ISC encourage tutorials of broad applicability rather than those focusing solely on the research in a limited domain or a particular group. Presenters are encouraged to incorporate hands-on sessions where appropriate and provide attendees with a comprehensive introduction to the topic before moving on to cover specific approaches in more depth.

### About ISC'12

Now in its 27th year, ISC is the world's oldest and one of the most important conferences for the HPC community, offering a strong five-day technical program with a wide range of expert speakers and exhibits from leading research centers and vendors. A number of events complement the technical program, including Tutorials, Workshops, Top500 Announcement, Research Paper Sessions, Birds of a Feather (BoF) Sessions, Research Poster Session, Exhibitor and Start-up Forums, and the popular Hot Seat Sessions in a new format featuring leaders from industry and research centers. The conference has experienced tremendous growth over the last few years, with an estimated 2,400 participants from around the world expected to convene in Hamburg, June 17 – 21.

#### **Contact:**

Ms. Nages Sieslack (PR Manager)
Phone +49 (o) 491 4545629
Mobile +49 (o) 178 1879858
nages.sieslack@isc-events.com| www.isc-events.com