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# CALL FOR PAPERS

June 10 - 14, 2013

University of Oregon, Eugene, OR USA

Sponsored by ACM/SIGARCH

<http://www.ics-conference.org/>



ICS is the premier international forum for the presentation of research results in high-performance computing systems. ICS 2013 will be held at the University of Oregon, Eugene, Oregon, in the heart of the Willamette Valley.

Papers are solicited on all aspects of the research, development, and application of large-scale, high-performance experimental and commercial systems, including (but not limited to):

- Computer architecture and hardware, including multicore and multiprocessor systems, accelerators, memory, interconnection network and storage and file systems;
- High-performance computational and programming models, including new languages and middleware for high performance computing, auto-tuning and function-specific code generators;
- High performance system software, including compilers, runtime systems, programming and development tools, performance tools, and operating systems;
- Hardware and software solutions for heterogeneity, reliability, and power efficiency;
- Languages, runtimes, and hardware for "big data" scenarios with a focus on high-performance data analytics, including scalable data structures, dealing with large quantities of unstructured data, online monitoring and I/O, and parallel visualization;
- Computationally challenging scientific and commercial applications, particularly studies and experiences on large-scale systems, and supercomputing on big data problems;
- Large scale installations, including case studies to guide the design of future systems and solutions for efficiently scaling power, performance and reliability;
- Novel infrastructures for internet, grid and cloud computing;
- Performance evaluation studies and theoretical underpinnings of any of the above topics.

Of particular interest are papers on any aspects of extreme-scale and heterogeneous supercomputing systems, integrated HPC software stacks, and supercomputing applications in science and engineering. **Papers should not exceed 10 pages in the ACM format. (Please note the change from 12 to 10 pages)**

The review process will include a rebuttal period. **Important dates are given below:**

<b>Abstract submission</b>	<b>January 11, 2013 (Friday) AOE</b>
<b>Paper submission</b>	<b>January 18, 2013 (Friday) AOE</b>
<b>Workshop/Tutorial proposals</b>	<b>January 25, 2013 (Friday) AOE</b>
<b>Workshop/Tutorial notification</b>	<b>January 30, 2013 (Wednesday) AOE</b>
<b>Author notification</b>	<b>March 21, 2013 (Monday) AOE</b>
<b>Early registration deadline</b>	<b>March 29, 2013 (Friday) AOE</b>
<b>Final papers</b>	<b>April 1, 2013 (Monday) AOE</b>

AOE (Anywhere on Earth) dates shown above mean the deadlines are at 11:59pm UTC-12:00 of the days. The above dates are tentative and subject to change. Consult the conference website for the most up-to-date scheduling information.

