ICS 2016
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ICS is the premier international forum for the presentation of research results in high-performance computing systems and supercomputing. In 2016, the conference will be held in the city where two continents meet, Istanbul, Turkey.

Papers are solicited on all aspects of research, development, implementation, use, and application of high-performance computing systems, including but not limited to the following:

- **Computer architecture and hardware**, including multicore, manycore and multiprocessor systems, accelerators, memory systems, on-chip and chip-to-chip interconnection networks, FPGA-based systems, heterogeneous systems, and storage architectures;

- **Programming models** for high-performance computing and supercomputing, including new paradigms, languages, debuggers and performance evaluation tools, as well as domain-specific language/programming support;

- **Static and dynamic compilation** support for high-performance computing including polyhedral models and auto-tuning tools;

- **Runtime and system software** support for high-performance computing as well as interface design between programming languages, compilers and system software;

- **Power/energy management** in high-performance computing, including measurement, distribution, and optimization aspects;

- **Workload characterization** and computationally-challenging scientific and commercial applications, particularly studies and experiences on large-scale systems;

- **Big data analytics** and cross-cutting issues between high-performance computing and database management systems;

- **Parallel and distributed file system design**, with an emphasis on systems targeting nonvolatile storage;

- **Reliability, security, robustness** issues in high performance systems;

- **Data structure and algorithm design** for high-performance computing applications, and visualization systems;

- **Experimental studies of real systems**, including case studies to guide the design of future systems and solutions for efficiently scaling power, performance, reliability and sustainability.

The review process will include a rebuttal period, and the papers will be judged based on novelty, technical approach, qualitative/quantitative evaluation and reproducibility of the experimental results. The important dates are given below:

Important Dates

Abstract submission:	January 15, 2016 AOE
Paper submission:	January 30 6:59am EST, 2016
Author rebuttal/revision period:	March 4-12, 2016 AOE
Author notification:	March 21, 2016 AOE
Final papers:	April 17, 2016 AOE

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.

Submission Information

Follow https://ics2016.cse.psu.edu/submissions/ for the submission site. Submissions (both abstract and paper) should be prepared for double blind review, i.e., without author names, or other identifying material in the submission. Authors should refer to themselves in the 3rd person when citing their own work. Submission instructions can be found at http://ics16.bilkent.edu.tr/submission.html.