

# ROSS 2011

## International Workshop on Runtime and Operating Systems for Supercomputers

May 31<sup>st</sup>, 2011

Tucson, Arizona, USA

### CALL FOR PAPERS

The ROSS workshop, to be held as a full-day meeting at the ICS 2011 conference in Tucson, Arizona, focuses on principles and techniques to design, implement, optimize, or operate runtime and operating systems for supercomputers and massively parallel machines.

#### Topics of Interest:

- OS and runtime system scalability on many-node and multi/many-core systems
- specialized OSs for Supercomputing
- distributed/hybrid/partitioned OSs and runtime systems for Supercomputing
- fault tolerance
- system noise analysis and prevention
- interaction between middleware, runtime system, and the OS
- I/O resource management and forwarding
- parallel job startup
- memory management and emerging memory technologies
- real-time considerations for Supercomputing

#### Schedule and Submission Procedure:

Submission deadline: March 28, 2011 (extended)  
Author notification: April 18, 2011

The ROSS workshop proceedings will be published electronically along with the ICS conference proceedings via the ACM Digital Library. Submitted manuscripts should be formatted using the ACM SIG proceedings alternate format. Extensive documentation can be found at the ACM site (<http://www.acm.org/sigs/publications/proceedings-templates>). **The maximum length is 8 pages.** All papers must be in English. Please visit the workshop website for further instructions and the submission link.

The best papers of the workshop will be considered for inclusion in a special issue of International Journal of High Performance Computing Applications (IJHPCA).

#### Workshop Chairs:

Kamil Iskra Argonne National Laboratory, USA  
Torsten Hoefler University of Illinois at Urbana-Champaign, USA

#### Program Committee:

Henri Bal, VU Amsterdam, Netherlands	Larry Kaplan, Cray, Inc., USA
Pete Beckman, ANL, USA	Ron Minnich, SNL, USA
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Contact us at [ross2011@easychair.org](mailto:ross2011@easychair.org) if you have any questions.

<http://www.mcs.anl.gov/events/workshops/ross/2011/>