CALL FOR PAPERS

The 16th HIPS workshop, to be held as a full-day meeting at the IPDPS 2011 conference in Anchorage, focuses on high-level programming of multiprocessors, compute clusters, and massively parallel machines.

Workshop Chair
Torsten Hoefler
University of Illinois at Urbana-Champaign, USA

Steering Committee:
Rudolf Eigenmann
Purdue University, USA
Michael Gerndt
Technische Universität München, Germany
Frank Müller
North Carolina State University, USA
Craig Rasmussen
Los Alamos National Laboratory, USA
Martin Schulz
Lawrence Livermore National Laboratory, USA

Topics of Interest:
- New programming languages and constructs for exploiting parallelism and locality
- Experience with and improvements for existing parallel languages and run-time environments such as MPI, OpenMP, Cilk, UPC, and Co-array Fortran
- Parallel compilers, programming tools, and environments
- (Scalable) tools for performance analysis, modeling, monitoring, and debugging
- OS and architectural support for parallel programming and debugging
- Software and system support for extreme scalability including fault tolerance
- Programming environments for heterogeneous multicore systems and accelerators such as GPUs, FPGAs, and Cell

Schedule and Submission Procedure:
Submission deadline: December 20, 2010 (extended)
Author notification: February 7, 2011
Camera-ready final papers due: February 18, 2011

The HIPS workshop proceedings will be published electronically along with the IPDPS conference proceedings via IEEE Xplore. Submitted manuscripts should be formatted according to IPDPS proceedings guidelines: 10-point fonts, single-spaced, and two-column format. The page size is US letter (8.5x11 inch). The maximal length is 8 pages. All papers must be in English.

Steering Committee:
Sadaf Alam, CSCS
Pavan Balaji, ANL
Richard Barrett, SNL
Brett Bode, NCSA
Greg Bronevetsky, LNLL
Bronis de Supinski, LNLL
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