HIPS 2011

**16th International Workshop on
High-Level Parallel Programming Models
and Supportive Environments**

May 20th , 2011
Anchorage, Alaska, USA

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	Michael Gerndt, TUM	Martin Schulz, LLNL
Pavan Balaji, ANL	Thomas Fahringer, Uni Innsbruck	Tony Skjellum, UAB
Richard Barrett, SNL	Yutaka Ishikawa, Tokyo Univ.	Marc Snir, UIUC
Brett Bode, NCSA	Andreas Knüpfer, TUD	Fabian Tillier, Microsoft
Greg Bronevetsky, LNLL	Bernd Mohr, Jülich Research Centre	Jesper Larsson Träff, Vienna Univ.
Bronis de Supinski, LNLL	Craig Rasmussen, LANL	Jeremiah Willcock, IU
Chen Ding, UR	Sven-Bodo Scholz, Herfordshire Univ.	Felix Wolf, GRSSS

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