6th Workshop on High-Level Parallel Programming Models and Supportive Environments

Chair: Frank Mueller

Lawrence Livermore National Laboratory
Center for Applied Scientific Computing
P.O. Box 808, L-561
Livermore, CA 94551
e-mail: mueller@acm.org, phone: (925) 424-3642

Accepted Papers

Session 1

High-Level Data Mapping for Clusters of SMPs
Siegfried Benkner and Thomas Brandes

On Predicting Data Cache Behavior for Real-Time Systems
Manuel Diaz, Bartolome Rubio, Enrique Soler and Jose M. Troya

Using Loop-Level Parallelism to Parallelize Vectorizable Programs
D. M. Pressel, J. Sahu and K. R. Heavey

Session 2

A Generic C++ Framework for Parallel Mesh Based Scientific Applications
Jens Gerlach and Peter Gottschling

DSM-PM2: A portable implementation platform for multithreaded DSM consistency protocols
Gabriel Antoniu and Luc Bouge

Implementation of a Skeleton-based Parallel Programming Environment Supporting Arbitrary Nesting
Remi Coudarcher, Jocelyn Serot and Jean-Pierre Derutin

Session 3

Supporting Soft Real-time Tasks and QoS on the Java Platform
James C. Pang, Gholamali C. Shoja and Eric G. Manning

Evaluating the XMT Parallel Programming Model
Dorit Naishlos, Joseph Nuzman, Chau-Wen Tsenga and Uzi Vishkin

DEPICT: a topology-based debugger for MPI programs
Simon Huband and Chris McDonald

Correcting Errors in Message Passing Systems
Jan B. Pedersen and Alan Wagner