Workshop Program

Fourth International Workshop on High-Level Parallel Programming Models and Supportive Environments (HIPS'99)
San Juan, Puerto Rico, USA, April 12, 1999
(in conjunction with IPPS/SPDP'99)

http://www.informatik.hu-berlin.de/~mueller/hips99

Chair: Frank Mueller (mueller@informatik.hu-berlin.de)

Workshop Schedule, Monday April 12, 1999

8:30-10:00 - Session 1

- **Efficient Program Partitioning based on Compiler Controlled Communication**
  Ram Subramanian(University of Cincinnati), Santosh Pande
- **SCI-VM: A flexible base for transparent shared memory programming models on clusters of PCs**
  Martin Schulz(Technische Universitaet Muenchen, LRR-TUM)
- **Flexible Collective Operations for Distributed Object Groups**
  Joerg Nolte(GMD-FIRST)

10:00-10:30 - Break

10:30-12:00 - Session 2, chaired by Manuel M. T. Chakravarty, University of Tsukuba, Japan

- **SCALA: A Framework for Performance Evaluation of Scalable Computing**
  Xian-He Sun(Louisiana State University), Mario Pantano(Louisiana State University), Thomas Fahringer(University of Illinios), Zhaohua Zhan(University of Illinios)
- **Recursive Distributed Objects**
  Z. George Mou(Johns Hopkins University)
- **The MuSE System: A Flexible Combination of On-Stack Execution and Work-Stealing**
  Markus Leberecht(TU Muenchen)

12:00-12:15 - Short Report: A new IEEE Task Force on Cluster Computing
Mark Baker (University of Portsmouth, U.K.)

12:15-13:15 - Lunch (on your own ?)

13:15-14:00 - Session 3, chaired by Vijay Karamcheti, New York University, USA

- **Pangaea: An Automatic Distribution Front-End for Java** (20 minutes)
  Andre Spiegel(Freie Universität Berlin)
- **Concurrent Language Support for Interoperable Applications** (20 minutes)
  Eugene F. Fodor(University of California, Davis, USA), Ronald A. Olsson(University of California, Davis, USA)

14:00-15:00 - Invited Talk: A Discipline of Multiprogramming
Jayadev Misra (University of Texas at Austin, USA)

15:00-15:30 - Break

15:30-17:00 - Session 4, chaired by Peter Keleher, University of Maryland, USA

- **On the distributed implementation of aggregate data-structures by program transformation**
  Gabriele Keller(Technische Universitaet Berlin, Germany), Manuel M. T. Chakravarty(University of Tsukuba, Japan)
- **A Transformational Framework for Skeleton-Based Parallelism**
  Sergei Gorlatch(Universität Passau, Germany), Susanna Pelagatti(University of Pisa, Italy)
- **Implementing a Non-strict Functional Programming Language on a Threaded Architecture**
  Shigeru Kusakabe(Dept. of Intelligent Systems, Kyushu University), Kentaro Inenaga(Dept. of Intelligent Systems, Kyushu University), Makoto Amamiya(Dept. of Intelligent Systems, Kyushu University), Xinan Tang(EE & CE Dept. University of Delaware), Andres Marquez(EE & CE Dept. University of Delaware), Guang R. Gao(EE & CE Dept. University of Delaware)