

Call for Papers

Workshop on Productivity and Performance (PROPER 2008)

Tools for HPC Application Development

at EuroPar 2008 Conference in Las Palmas de Gran Canaria/Spain

The current and future increase of computer performance is driven by raising the number of cores on a single chip and within a supercomputer. As a consequence, applications need to harness much higher degrees of parallelism in order to satisfy their growing demands for computing power. Writing code that runs correctly and efficiently on large numbers of processors and cores is extraordinarily challenging. The increased concurrency levels also place higher demands on the development process and thus require adequate and scalable tool support for debugging and performance analysis. This workshop will serve as a forum for discussing methods and experiences related to scalability and usability of HPC programming tools, including integration with compilers and the overall development environment.

Workshop Topics:

- tools and tool approaches for parallel program development and analysis
- correctness checking
- performance measurement and evaluation
- success stories about optimization or parallel scalability achieved using tools

Emphasis will be put on giving younger researchers a chance to present their work. There is a **student grant** available for up to four student researchers presenting their work. It will cover the conference fee plus a maximum of 600 € for travel expenses. Please indicate whether you want to be considered for the student grant with your submission.

The workshop will take place on Monday, Aug 25th 2008 in conjunction with the EuroPar 2008 conference. For more information see <http://europar2008.caos.uab.es/>.

Important Dates:

- May 18th: submission deadline for extended abstracts
- May 26th: notification of acceptance
- June 2nd: conference registration deadline
- Sept 15th: full paper submission
- Oct 13th: final review results
- Oct 31st: camera ready papers
- Feb/March 2009: workshop proceedings available

Program Committee:

Matthias Müller, Technical University of Dresden (chair)

Karl Fűrlinger, University of Tennessee

Andreas Knüpfer, Technical University of Dresden

Bettina Krammer, University of Stuttgart

Allen Malony, University of Oregon

Dieter an Mey, RWTH Aachen University

Shirley Moore, University of Tennessee

Martin Schulz, Lawrence Livermore National Lab

Felix Wolf, Forschungszentrum Jülich

Please submit your extended abstracts or full papers of 4 to 10 pages in Springer LNCS style via email to proper-submission@vi-hps.org not later than Monday, May 18th. Visit the workshop web page for this call for papers and further announcements at <http://www.vi-hps.org/proper2008/>.