ICCS

INTERNATIONAL CONFERENCE ON COMPUTATIONAL SCIENCE

San Diego, California, U.S.A. | 6-8 June, 2016

Tools Workshop at ICCS 2016

Tools for Program Development and Analysis in Computational Science

Call for Papers

Papers due:
Dec 18th, 2015

Notification:
Jan 27th, 2016

Camera ready papers due:
Mar 4th, 2016

Submission guidelines:
10 pages, formatted according to the Procedia Computer Science style

The use of supercomputing technology, parallel and distributed processing, and sophisticated algorithms is of major importance for computational scientists. Yet, the scientists' goals are to solve their challenging scientific problems, not the software engineering tasks associated with it. For that reason, computational science and engineering must be able to rely on dedicated support from program development and analysis tools.

The 16th workshop in this series will bring together developers of tools for scientific computing and their potential users. Paper submissions by tool developers and users from the scientific and engineering community are encouraged in order to inspire communication between both groups.
The topics of interest related to distributed and parallel computing include:

- Problem solving environments for specific application domains
- Application building and software construction tools
- Domain-specific analysis tools
- Program visualization and visual programming tools
- On-line monitoring and computational steering tools
- Tools for parallel, distributed and network-based computing
- Testing and debugging tools
- Performance analysis and tuning tools
- (Dynamic) Instrumentation and monitoring tools
- Data (re-)partitioning and load-balancing tools
- Check-pointing and restart tools
- Tools for resource management, job queuing and accounting
- Requirements for (new) tools emerging from the application domain
- Use cases and practical experiences with real-world applications

Organization: Karl Fürlinger, LMU Munich, Germany
Arndt Bode, TU Munich and LRZ, Germany
Andreas Knüpfer, TU Dresden, Germany
Dieter Kranzlmüller, LMU Munich and LRZ, Germany
Jens Volkert, JKU Linz, Austria
Roland Wismüller, Univ. Siegen, Germany

Web   http://www.lrz.de/iccs2016

Contact: Karl.Fuerlinger@nm.ifi.lmu.de

Call for Papers – Call for Papers – Call for Papers – Call for Papers – Call for Papers