



Symposium Chair

Hans-Joachim Bungartz (Technische Universität München)
 Dan Grigoras (University College Cork)
 Ralf-Peter Mundani (Technische Universität München)
 Rodica Potolea (Technical University of Cluj-Napoca)

Steering Committee

Ioana Bănicescu (Mississippi State University)
 Hans-Joachim Bungartz (Technische Universität München)
 Bertil Folliot (University of Paris)
 Dan Grigoras (University College Cork)
 John Morrison (University College Cork)
 Dana Petcu (Western Univ. of Timisoara and Inst. e-Austria)
 Marek Tudruj (Polish Academy of Sciences and PJIIT)

Program Committee

Aron Ahmadi (King Abdullah Univ. of Science and Tech.)
 Peter Arbenz (ETH Zürich)
 Michael Bader (Technische Universität München)
 Ioana Banicescu (Mississippi State University)
 George Biros (UT Austin)
 Sabin-Corneliu Buraga (University A.I. Cuza Iasi)
 Carsten Burstedde (Rhein. Friedrich-Wilhelms-Univ. Bonn)
 Valentin Cristea (University Politehnica Bucharest)
 Bertil Folliot (University of Paris)
 Wolfgang Gentzsch (DEISA)
 George Gravvanis (Democritus University of Thrace)
 Dan Grigoras (University College Cork)
 Daniel Grosu (Wayne State University)
 Todor Gurov (Inst. of Information and Communication Tech.)
 Ibrahim Hoteit (King Abdullah Univ. of Science and Tech.)
 Hai Jin (Huazhong University of Science and Technology)
 Peter Kacsuk (Hungarian Academy of Sciences)
 Eleni Karatza (Aristotle University of Thessaloniki)
 David Keyes (King Abdullah Univ. of Science and Technology)
 Jacek Kitowski (AGH University of Science and Technology)
 Andreas Knüpfer (Technische Universität Dresden)
 Harald Köstler (Friedrich-Alexander-Univ. Erlangen-Nürnberg)
 Dieter Kranzlmüller (Ludwig-Maximilians-Univ. München)
 Alexey Lastovetsky (University College Dublin)
 Laurent Lefevre (INRIA, University of Lyon)
 Miriam Mehl (Technische Universität München)
 Chistine Morin (IRISA)
 John Morrison (University College Cork)
 Ralf-Peter Mundani (Technische Universität München)
 Ionel Muntean (Technical University of Cluj-Napoca)
 Traian Muntean (University of Marseille)
 Tobias Neckel (Technische Universität München)
 Alex Nicolau (University of California)
 Richard Olejnik (University of Science and Technology)
 Can Özturan (Bogaziçi University)
 Dana Petcu (Western University of Timisoara)
 Dirk Pflüger (Technische Universität München)
 Jens Schneider (King Abdullah Univ. of Science and Tech.)
 Alper Sen (Bogaziçi University)
 Leonel Sousa (INESC-ID/IST, Technical University of Lisbon)
 Domenico Talia (Universita della Calabria)
 Nam Thoai (Ho Chi Minh City University of Technology)
 Marcus Tönnis (Technische Universität München)
 Carsten Trinitis (Technische Universität München)
 Denis Trystram (IMAG)
 Wanqing Tu (Glyndwr University)
 Marek Tudruj (Polish Academy of Science)
 Rainer Unland (University of Duisburg-Essen)
 Rio Yokota (King Abdullah Univ. of Science and Tech.)
 Josef Weidendorfer (Technische Universität München)
 Tobias Weinzierl (Technische Universität München)
 Felix Wolf (Jülich Supercomputing Centre)

The mission of the 11th International Symposium on Parallel and Distributed Computing is to bring together researchers, engineers and practitioners involved in the development of new algorithms and architectures for parallel and distributed computing. The goal is to provide an interactive and friendly yet professional forum for original research contributions describing novel ideas, groundbreaking results and/or quantified system experiences. We cordially invite you to submit your contribution to the 11th International Symposium on Parallel and Distributed Computing. Topics include, but are not limited to:

High Performance Computing and Large Scale Applications

- Tools and Environments for Parallel Program Analysis
- Scalable Algorithms and Applications
- Urban Networks and Applications, Vehicular Networks
- Parallel, Distributed and Mobile Databases

Parallel Computing and Algorithms

- Parallel Programming Paradigms and APIs
- GPU Programming
- Bio-inspired Parallel Algorithms
- Algorithms, Models and Formal Verification

System Architectures for Parallel and Distributed Computing

- Cluster Computing
- Grid and Cloud Computing
- Operating Systems for Parallel and Distributed Systems
- Distributed Systems Methodology and Networking

Distributed Computing

- Collaborative Computing
- Peer-to-peer Computing
- Mobile and Ubiquitous Computing
- Web Services and Internet Computing
- Distributed Software Components
- Software Agents and Multi-agent Systems

Quality Assurance in Parallel and Distributed Systems

- Task Scheduling and Load Balancing
- Fault Tolerance in Parallel and Distributed Systems
- Security in Parallel and Distributed Systems
- Performance Management in Parallel and Distributed Systems

Interactivity and Visualization

- Real-time Distributed and Parallel Systems
- Real-time Visualisation of Massively Parallel Data
- Computational Steering on Parallel and Distributed Systems
- Visualisation on Parallel and Distributed Systems

You are invited to submit original papers of up to 8 pages, written in English and compliant with the IEEE standard (8.5"x11", two-column). The proceedings will be published by the IEEE Computer Society Press. A best paper award will be presented to the paper(s) receiving the highest quality rating from the Program Committee and external reviewers (see website for details).

Key dates:

- Submission of full papers: January 29, 2012
Extension of submission deadline to February 29, 2012
- Notification of authors: March 25, 2012
- Camera ready papers: April 29, 2012
- ISPDC 2012 symposium: June 25–29, 2012