

# The 11th International Conference on Algorithms and Architectures for Parallel Processing

## ICA3PP-11

October 24-26, 2011

Melbourne, Australia

<http://anss.org.au/ica3pp11>



Springer



### ICA3PP-11 Call For Papers

ICA3PP-11 is the 11th in this series of conferences started in 1995 that are devoted to algorithms and architectures for parallel processing. ICA3PP is now recognized as the main regular event of the world that covers the many dimensions of parallel algorithms and architectures, encompassing fundamental theoretical approaches, practical experimental projects, and commercial components and systems. As applications of computing systems have permeated in every aspects of daily life, the power of computing system has become increasingly critical. This conference provides a forum for academics and practitioners from countries around the world to exchange ideas for improving the efficiency, performance, reliability, security and interoperability of computing systems and applications.

ICA3PP-11 will be run in technical co-sponsorship (pending) with the IEEE and the IEEE Computer Society Technical Committee on Scalable Computing.

ICA3PP-11 will be held in Melbourne, Australia. Since 2002, Melbourne has been consistently ranked in the top three 'World's Most Liveable Cities' by The Economist.

**Topics** of interest include, but not limited to:

- Cluster, Distributed & Parallel Operating Systems and Middleware
- Cloud, Grid, and Services Computing
- Reliability and Fault-tolerant Computing
- Multi-core Programming and Software Tools
- Distributed Scheduling and Load Balancing
- High-performance Scientific Computing
- Parallel Algorithms
- Parallel Architectures
- Parallel and Distributed Databases
- Parallel I/O Systems and Storage Systems
- Parallel Programming Paradigms
- Performance of Parallel & Distributed Computing Systems
- Resource Management and Scheduling
- Tools and Environments for Parallel & Distributed Software Development
- Software and Hardware Reliability, Testing, Verification and Validation
- Security, Privacy, and Trusted Computing
- Self-healing, Self-protecting and Fault-tolerant Systems
- Information Security In Internet
- Multimedia in Parallel Computing
- Parallel Computing in Bioinformatics
- Dependability Issues in Computer Networks and Communications
- Dependability Issues in Distributed and Parallel Systems
- Dependability Issues in Embedded Parallel Systems
- Industrial Applications
- Scientific Applications

### Submission Guidelines

To submit your paper, please go to <http://anss.org.au/ica3pp11> and follow the link "Submit Your Paper". Submitted papers must not substantially overlap with papers that have been published or that are simultaneously submitted to a journal or a conference with proceedings. Papers must be clearly presented in English, must not exceed 15 pages (not necessarily in LNCS format), including tables, figures, references and appendixes, in single column and single spaced free style, with Portable Document Format (.pdf). Papers will be selected based on their originality, significance, relevance, and clarity of presentation assessed by at least three reviewers. Submission of a paper should be regarded as a commitment that, should the paper be accepted, at least one of the authors will register and attend the conference to present the work.

The publication will be **Springer Lecture Notes in Computer Science (EI indexed)**. Selected best papers will be published in journal **Concurrency and Computation: Practice and Experience (Wiley)**, **SCI and EI indexed**, **IF=1.791**, **ERA Ranking=Tier A**.

### General Chairs

Andrzej Goscinski, Deakin University, Australia  
Peter Brezany, University of Vienna, Austria

### Steering Committee Chairs

Wanlei Zhou, Deakin University, Australia  
Yi Pan, Georgia State University, USA

### Program Chairs

Yang Xiang, Deakin University, Australia  
Alfredo Cuzzocrea, ICAR-CNR & University of Calabria, Italy  
Michael Hobbs, Deakin University, Australia

### Program Committees

Please see ICA3PP-11 website

### Important Dates

Workshop Proposal: March 31, 2011  
Submission Deadline: Extended to June 19, 2011 (firm deadline, 11:59 PM Samoa Time, UTC -11 hours)  
Authors Notification: July 15, 2011  
Final Manuscript Due: August 5, 2011

### Website and Contact Information

Please see ICA3PP-11 website at <http://anss.org.au/ica3pp11>  
Further questions, please send email to [ica3pp@gmail.com](mailto:ica3pp@gmail.com)