CALL FOR PAPERS

18th IEEE International Conference on Parallel and Distributed Systems

ICPADS 2012

Singapore, December 17-19, 2012

http://pdcc.ntu.edu.sg/icpads2012

Established in 1992, ICPADS has been a major international forum in the parallel and distributed systems area. ICPADS 2012 will be held in Singapore in December 2012. Singapore is a vibrant and cosmopolitan city that offers brimming culture diversity, a multiplicity of arts and architecture, and the unique combination of its tropical nature, shopping and dining. The conference provides an international forum for scientists, engineers and users to exchange and share their experiences, new ideas, and latest research results on all aspects of parallel and distributed systems. Contributions are solicited in all areas of parallel and distributed systems research and applications.

Topics of interest include, but are not limited to:
- Parallel and Distributed Applications and Algorithms
- Cloud OS, Middleware, Toolkits, and Applications
- Data Intensive Computing and Data Centre Architecture
- Web-Based Computing and Service-Oriented Architecture
- Multi-core and Multithreaded Architectures
- Virtualization Techniques
- Resource Provision, Management, and Scheduling
- Security and Privacy
- Cluster and Grid Computing
- Power-Aware and Green Computing
- Internet of Things
- Peer-to-Peer Computing
- Wireless and Mobile Computing
- Ad Hoc and Sensor Networks
- Performance Modeling and Evaluation
- Communication and Networking Systems
- Dependable and Trustworthy Computing and Systems
- Real-Time and Multimedia Systems
- High Performance Computational Biology and Bioinformatics
- Cyber-Physical Systems
- Distributed and Parallel Operating Systems
- Embedded systems

PUBLICATIONS

Papers accepted for ICPADS 2012 conference and workshops will be published by the IEEE Computer Society Press. All accepted papers will be included in IEEE Xplore and indexed by EI. Best Paper Award will be presented in the conference. Selected conference papers will be invited for submission to a special issue of the Future Generation Computer Systems journal (Elsevier).

IMPORTANT DATES

- Deadline for paper submissions: June 15, 2012
- Notification of paper acceptance: September 1, 2012
- Deadline of camera-ready version: October 1, 2012
- Deadline for author registration: October 1, 2012

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SUBMISSION INFORMATION

Submissions should include abstract, 5-10 keywords, and the e-mail address of the corresponding author and be in PDF format and made at http://www.easychair.org/conferences/?conf=icpads2012. Each submission must not exceed 8 pages in the IEEE 8.5” x 11” two-column format (http://www.computer.org/portal/web/cscps/formatting) with 10-12 point font, including tables and figures. Each submission should be regarded as an undertaking that, should the submission be accepted, at least one of the authors must register the paper and attend the conference to present the work in order that the accepted paper can be put into digital library. The final version will be limited to 8 pages in IEEE proceeding format for conference papers. Up to 2 extra pages may be purchased.

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