CALL FOR PAPERS

The International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT) is a major forum for scientists, engineers, and practitioners throughout the world to present the latest research, results, ideas, developments and applications in all areas of parallel and distributed computing. Following PDCAT’00 in Hong Kong, PDCAT’01 in Taipei, PDCAT’02 in Kanazawa, Japan, PDCAT’03 in Chengdu, China, PDCAT’04 in Singapore, PDCAT’05 in Dalian, China, PDCAT’06 in Taipei, Taiwan, PDCAT’07 in Adelaide, Australia, PDCAT’08 in Dunedin, New Zealand, PDCAT’09 in Hiroshima, Japan, PDCAT’10 in Wuhan, China, PDCAT’11 in Gwangju, Korea, PDCAT’12 in Beijing, China, PDCAT’13 will take place in Taipei, Taiwan. We are inviting new and unpublished papers on, but not limited to, the following topics:

1. Networking and Architectures:
   - Interconnection networks
   - Parallel/distributed architectures
   - Heterogeneous and multimedia Systems
   - ATM networks
   - Reliability, and fault-tolerance
   - Ubiquitous computing systems
   - Computer networks
   - Communication and telecommunication
   - Wireless networks and mobile computing
   - Optical networks
   - Cloud/Grid computing systems
   - Reconfigurable architecture

2. Software Systems and Technologies:
   - Formal methods and programming languages
   - Internet computing
   - Image processing and computer vision
   - Agent technologies
   - Operating systems
   - Software tools and environments
   - Parallelizing compilers
   - Web services
   - Component-based and OO Technology
   - Simulation and Visualization

3. Algorithms and Applications:
   - Parallel/distributed algorithms
   - Task mapping and job scheduling
   - Distributed data and knowledge based systems
   - Image processing and computer graphics
   - High-performance scientific computing
   - Reconfigurable high-performance computing
   - Resource allocation and management
   - Network routing and communication algorithms
   - Bioinformatics
   - Database applications and data mining
   - Intelligent computing and neural networks

4. Security and Privacy:
   - Access control and authorization
   - Authentication, biometrics, smartcards
   - Distributed systems security
   - Mobile code and mobile agent security
   - RFID applications
   - Privacy preserving computation
   - Applied cryptography
   - Database security
   - Intrusion detection and survivability
   - P2P & ad hoc networks
   - Cloud security
   - Security protocols

PAPER SUBMISSION GUIDELINE:

Papers reporting original and unpublished research results and experience are solicited. Papers will be selected based on their originality, timeliness, significance, relevance, and clarity of presentation. Accepted and presented papers will be published in the conference proceedings. Papers must be written in English and submitted electronically as a PDF/Word file at http://pdcat13.csie.ntust.edu.tw/. Submissions should be made in IEEE conference proceedings format (template available at http://www.computer.org/portal/web/cspress/formating), and must not exceed 6 pages in length. Conference proceedings is planned to be published by IEEE Computer Society. Extended versions of selected papers will be published in special issues of some SCI-indexed international journals.

IMPORTANT DATES:

- Paper submission deadline: July 8 – August 31, 2013
- Author notification: September 1, 2013
- Camera-ready version due: September 20, 2013
- Conference: December 16-18, 2013

ABOUT Taipei:

Located in northern Taiwan, Taipei is the political, economic, financial, and cultural center of Republic of China. It is a city that blends traditional culture and cosmopolitan life. It has a thriving arts and academic scene and countless modern commercial buildings. With its vibrant cultural and economic growth, it has become a modern international metropolis.

CONTACT US:

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