

The Third International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT'02)

4-6 September 2002 – Kanazawa Bunka Hall, Kanazawa, Japan

Sponsored by Ministry of Education, Culture, Sports, Science and Technology,
Japan Advanced Institute of Science and Technology, IEICE Hokuriku Branch, IEEE Nagoya Section

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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 will be held in Kanazawa, Japan. We are inviting new and unpublished papers on, but not limited to, the following topics:

Networking and Architectures:

- Interconnection networks
- Computer networks
- Parallel/distributed architectures
- Communication and telecommunication
- Heterogeneous and multimedia Systems
- Wireless networks and mobile computing
- ATM networks
- Optical networks
- Reliability and fault-tolerance
- Security

Software Systems and Technologies:

- Formal methods and programming languages
- Parallelizing compilers
- Internet computing
- Web technologies
- Component-based and OO Technology
- Operating systems

- Modeling and simulation
- Performance evaluation and measurements
- Tools and environments for software development
- Visualization

Algorithms and Applications:

- Parallel/distributed algorithms
- Resource allocation and management
- Task mapping and job scheduling
- Network routing and communication algorithms
- Distributed data and knowledge based systems
- Neural networks
- Image processing and computer graphics
- Database applications and data mining
- High-performance scientific computing
- Biological/molecular computing

PAPER SUBMISSION GUIDELINES: Papers reporting original and unpublished research results and experience are solicited.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. Submissions should include an abstract, key words, the e-mail address of the corresponding author, and must not exceed 15 pages, including tables and figures. Submissions imply the willingness of at least one author to register, attend the conference, and present the paper. Submissions to PDCAT'02 will be conducted electronically. Authors unable to access e-mail may send 4 hard copies of their papers to:

PDCAT'02 Conference

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It is planned that a selection of papers from PDCAT'02 will be published in a special issue of IEICE Transactions on Software and Systems.

TUTORIALS/WORKSHOP: Workshops/special sessions and half-day tutorials are being planned for PDCAT'02. Each workshop will focus on a particular topic, and consists of several presentations and open discussion. A one-page abstract of each workshop presentation will be published in the conference proceedings. The proposal for a workshop/special session should include the title, topics covered, proposed/invited speakers, and estimated length (hours) of the workshop. Each tutorial proposal should provide the title, topics, targeted audiences, and instructor's biography. Anyone wishing to organize a workshop/special session or tutorial should submit a proposal by June 1, 2002 to the conference address (preferably via email) listed above.

IMPORTANT DATES:

Due to many requests, the submission deadline for PDCAT'02 has been extended to March 15, 2002.

Paper submission deadline:	March 15, 2002
Author notification:	May 18, 2002
Camera-ready version due:	June 14, 2002
Workshop/tutorial proposal due:	June 15, 2002
Conference:	September 4-6, 2002