



The Fourth International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT'03) 27-29 August 2003 – Southwest Jiaotong University, Chengdu, China

Sponsored by NSFC, CIC, CIE, IEEE Beijing Chapter, IEICE Information and Systems Society (tentative)

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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 in Kanazawa, Japan, PDCAT'03 will be held in Chengdu, PR China. We are inviting new and unpublished papers on, but not limited to, the following topics:

Networking and Communications:

- Interconnection networks
- Network routing and multicasting
- Wireless Ad Hoc & cellular networks
- Optical and ATM networks
- Network reliability and fault-tolerance
- Internet computing and Web technologies
- Network Security

Systems and Technologies:

- Parallel/distributed architectures
- Parallelizing compilers
- Component-based and OO Technology

- Grid computing environments
- Mobile computing and protocols
- Modeling and simulation
- Performance evaluation and measurements

Algorithms and Applications:

- Parallel/distributed algorithms
- Programming languages and software tools
- Resource allocation and task scheduling
- Image processing and computer graphics
- Database applications and data mining
- Cryptography and coding
- 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PAPER SUBMISSION GUIDELINES: Papers reporting original and unpublished research results and experience are solicited.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 10 pages (A4 size), 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'03 will be conducted electronically. Authors unable to access e-mail may send 4 hard copies of their papers to:

PDCAT'03 Conference Secretariat

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It is planned that the conference proceedings of PDCAT'03 will be published in English by a recognized international publisher.

IMPORTANT DATES:

Paper submission deadline: **March 1, 2003**
Author notification: **May 1, 2003**
Camera-ready version due: **June 1, 2003**
Conference: **August 27-29, 2003**

ABOUT CHENGDU:

Chengdu, a well-known city with a longstanding history and civilization, lies in the west Sichuan plain. Now as the capital city of Sichuan province, also named City of Brocade and City of Hibiscus, it comprises 5 districts, 12 counties with a total population of 8,873,000. Through the city flows the Jinjiang River (river of brocade). In the downtown area, long and wide avenues flanked with high-rise buildings and local shops and stores are dotted with luxuriantly grown green trees, and well-trimmed colorful flowers. The best-known tourist attractions in and around Chengdu include Sanxingdui, Panda House, Du Fu Thatched Hut (To Ho) and Wu Hou Temple. Various sightseeing tours are available at your own expense. August is the end of summer in Chengdu with temperatures ranging from 18/22°C in the night to 24/29°C in the day on average. Travel to Chengdu from major cities is convenient via air, there are a number of direct flights to Chengdu from Hong Kong, Tokyo, Osaka, Fukuoka, Beijing, Shanghai and other major cities.