

Call for Papers

Special Issue on The Third International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT2002)

The Institute of Electronics, Information and Communication Engineers (IEICE) announces a forthcoming special issue on "Parallel and Distributed Computing, Applications and Technologies" to be published in **September 2003** as a special issue of Transactions on Information and Systems. The objective of this Special Issue is to review and promote recent progress in the field of parallel and distributed computing, applications and technologies. A selection of the papers in the proceedings of **The Third International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT2002) held in KANAZAWA, Japan, September 4-6, 2002**, will be published in this special issue. In addition, papers not presented at this conference, are also welcome to be submitted for this special issue. Topics of interest within the scope of this issue include, but are not limited to, the following areas:

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

All submitted papers will be reviewed by international reviewers. Prospective authors are requested to send the both PS (post script) and PDF files of their manuscripts to the following address by **December 6, 2002**.

Dr. Masaru Fukushi
Graduate School of Information Science, JAIST
Asahidai, Tatsunokuchi, ISHIKAWA, 932-12, JAPAN
E-mail: mfukushi@jaist.ac.jp, TEL: +81-761-51-1267, FAX: +81-761-51-1149

- Please write clearly "Special Issue on The Third International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT2002)" on the cover page of the manuscript.
- Information for Authors is available through WWW service (<http://www.ieice.or.jp/eng/shiori/mokuji.html>) and paper style information can be found on the web-page.
- Please note that if accepted, all authors, including authors of invited papers, will be requested to purchase a minimum of 100 copies of reprints (See Information for Authors). This fee partially covers the cost of publication.
- The page charges depend both on the length and number of copies you order. The preferred length is 8 printed pages or less. Please note that progressively higher charges are applied to pages over 8 (See also Information for Authors).

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