

CALL FOR PAPERS

2nd International Workshop on Mobile Distributed Computing (MDC'04)

<http://www.comp.polyu.edu.hk/~mdc04>

In conjunction with the 24th International Conference on
Distributed Computing Systems (ICDCS'04)

Tokyo, Japan, March 23 – 26, 2004

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With the advance in mobile wireless communication technology, research in distributed computing is beginning to extend its scope to address problems relevant to mobile environments. The special characteristics of mobile environments, such as highly variable connectivity, disconnection, location-dependency, and energy and resource sensitivity, and the diversity and flexibility introduced by mobile systems bring new challenges for research in distributed computing. Existing solutions, tailored primarily for wired distributed environments, need to be modified/extended, and new solutions need to be created. *Mobile distributed computing* has emerged as a discipline of distributed systems research and practice toward support for mobility. It is concerned with creating solutions using mobile communication networks and mobile computing devices to enable the sharing of distributed resources/services and to facilitate remote collaborations while people work away from the fixed, wired facilities.

Following the success of MDC'03 held in conjunction with ICDCS'03 in Providence, Rhode Island USA (<http://www4.comp.polyu.edu.hk/~mdc03>), MDC'04 provides a forum for scientists and engineers in academia and industry to exchange and discuss their experiences, new ideas, research results, and products about all aspects of mobile distributed computing. Topics of particular interest include, but are not limited to:

- Distributed algorithms for communication, synchronization and coordination in mobile computing environments
- Cooperating mobile agents
- Environments, middleware and tool support for mobile distributed computing
- Fault tolerance and security in mobile distributed environments
- Location-based services and applications
- Pervasive computing
- Mobile cluster computing / Mobile grid computing / Mobile Peer-to-Peer computing
- Resource/service sharing and management in mobile distributed environments
- Mobile distributed transactions
- Distributed applications in mobile environments

Paper Submission:

MDC 2004 invites authors to submit original and unpublished work. Papers must be written in English and should not exceed 6 pages in IEEE proceedings style. Authors should submit a PostScript (level 2) or PDF file that will print on a PostScript printer. Electronic submission through the submission website is strongly encouraged. Hard copies will be accepted only if electronic submission is not possible. Submission implies the willingness of at least one of the authors to register and present the paper. Accepted papers will be published by IEEE Computer Society Press.

Important Dates:

Papers due ----- Sep. 20, 2003

Notification of acceptance ----- Nov. 1, 2003

Camera-ready papers due ----- Dec. 20, 2003

Further Information:

For further information regarding the workshop and paper submission, please contact Dr. Jiannong Cao at csjcao@comp.polyu.edu.hk or Prof. Jie Wu at jie@cse.fau.edu