Message from the MDC Chairs

Welcome to MDC 2004! Following the success of the first workshop MDC 2003, held in conjunction with ICDCS 2003 in Providence, Rhode Island, USA, MDC 2004 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.

The mobility of users together with their personal/wearable computing devices and 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. Mobile distributed computing has emerged as a discipline of distributed systems research and practice toward support for mobility. It deals 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. The principal theme of this workshop is the development of distributed algorithms, system level mechanisms, and applications for mobile computing environments. It also covers the underlying network environments and databases support.

This year, MDC 2004 received 39 submissions, each being reviewed by two to three members of the Program Committee. The final program includes 20 papers, which cover a range of different topics related to mobile distributed computing, including mobile data management, wireless and sensor networks, resource sharing and cooperation, mobile agents, mobile peer-to-peer computing, and security. The organizing committee wants to thank the Program Committee members for their in-depth and timely reviews of the papers. Without their help and advice, this program would not be possible. Thanks to Hong-Va Leong for serving as the Publicity Chair. We also want to thank Prof. Makoto Takizawa, ICDCS 2004 Workshop Co-Chair, for his help and guidance in workshop organization.

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