The First International Workshop on Mobility in Peer-to-peer Systems (MPPS'05)
June 10, 2005
Columbus, Ohio, USA

in conjunction with

The 25th IEEE International Conference on Distributed Computing Systems

Peer-to-peer (P2P) has emerged as a promising paradigm for developing large-scale distributed systems. P2P systems are characterized as being fully decentralized, self-organizing, and self-repairing. Early P2P systems were designed with an Internet-like network infrastructure in mind. As the emergence and prevalence of new wireless networking techniques, such as wireless mesh networks, wireless LANs, and 3G cellular networks, the need to move P2P paradigm into wireless networking and to support mobile computing is increasing. How does a P2P system encompass wired and heterogeneous wireless networks? How does a P2P system exploit and aggregate the resources in such an environment? How should a P2P system manage node mobility? How should a mobile P2P system ensure security and privacy? These issues become very challenging.

The goal of the workshop is to examine the mobility issues in P2P systems over heterogeneous wired/wireless networks. Topics of interest include, but are not limited to:

- P2P systems over wireless mesh and ad hoc networks
- mobile P2P applications and systems
- power-aware and energy-efficient mobile P2P systems
- topology-aware mobile P2P systems
- mobility and resource management in mobile P2P systems
- P2P systems for wireless grid
- security in mobile P2P systems
- trust and access control in mobile P2P systems
- anonymity and anti-censorship for mobile P2P systems
- modeling and analysis for mobile P2P systems

Submission Guidelines

Authors are invited to submit an electronic version of original, unpublished manuscripts, not to exceed 20 double-spaced pages, to ctking@mx.nthu.edu.tw. Submissions should be in PDF or Postscript format. Submissions must be received by the deadline.

All submitted papers will be refereed by reviewers in terms of originality, contribution, correctness, and presentation. The accepted papers will be published by the IEEE Computer Society Press.

Important Dates
- Paper Submission Deadline: December 31, 2004 (extended)
- Author Notification: February 1, 2005
- Final Manuscript Due: March 1, 2005

Workshop Chair
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