

Call for papers: Second International Workshop on
Hot Topics in Peer-to-Peer Systems (Hot-P2P '05)
San Diego, CA, USA, July 21st, 2005
Co-located with Mobiquitous 2005
<http://www.hot-p2p.org>

Scope and Interests

Peer-to-Peer (P2P) systems are decentralized, self-organizing distributed systems that cooperate to exchange data. These systems have emerged as the dominant consumer of residential Internet subscribers' bandwidth, and are being increasingly used in many different application domains. In the last few years, research on P2P systems has been quite intensive, and has produced remarkable results in scalability, robustness, location, distributed storage, and system measurements. Consequently, P2P systems continue to evolve, differentiating today's state-of-the-art from earlier instantiations such as Napster, KaZaA, Gnutella, and Morpheus.

Hot-P2P '05 aims to bring together researchers and practitioners, from both industry and academia, in the fields of systems, networking, and theory, and to represent an occasion to share latest research results and ideas on P2P systems, thereby promoting research activities in this area. In addition to regular research papers to be selected on standard peer review, the program of the workshop will include invited talks, position papers, and panel discussions.

Topics of interest include, but are not limited to:

- P2P systems and infrastructures
- Applications of P2P systems
- Performance evaluation of P2P systems
- Workload characterization for P2P systems
- Trust and Security issues in P2P systems
- Network support for P2P systems
- Protocols for resource managements/discovery/scheduling and their evaluation
- Fault tolerance in P2P systems
- DHT and other scalable lookup algorithms
- P2P and autonomic computing
- P2P systems and Grids

Paper Submission

Hot-P2P '05 invites author to submit papers on original and unpublished work in either PostScript or PDF format, by following the instructions published in the submission page

<http://www.hot-p2p.org/submission.html>. Submissions should include the title of the paper, the names and affiliations of the authors, a 150-word abstract and at most eight keywords.

Submission should follow the IEEE format (single spaced, two columns, 10pt, Times font) and not exceed 10 pages, including figures.

Proceedings Publication:

The proceedings of Hot-P2P '05 will be published by the IEEE.

Important Dates (NEW DEADLINES)

- Paper Submission: April 5th, 2005 – NEW DEADLINE
- Notification of Acceptance: April 26th, 2005
- Camera-ready version due: May 9th, 2005
- Workshop date: July 21st, 2005

Program Chairs

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Luigi Mancini, Universita' di Roma "La Sapienza" (Italy)

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