# 9th International Workshop on Peer-to-Peer Systems (IPTPS '10)

**Sponsored by USENIX, the Advanced Computing Systems Association**

*http://www.usenix.org/iptps10*

**April 27, 2010**                                                                 **San Jose, CA**

*IPTPS '10 will be co-located with the 7th USENIX Symposium on Networked Systems Design and Implementation (NSDI '10), which will take place April 28–30, 2010.*

## Important Dates

Submissions due: *Friday, December 18, 2009, 11:59 p.m. EST*
Notification of acceptance: *Sunday, February 28, 2010*
Demo proposals due: *Monday, March 15, 2010*
Electronic files due: *Monday, March 29, 2010*

## Workshop Organizers

### Program Co-Chairs

Michael J. Freedman, *Princeton University*
Arvind Krishnamurthy, *University of Washington*

### Program Committee

Brian Cooper, *Yahoo! Research*
Roger Dingledine, *Tor Project*
Christophe Diot, *Thomson*
Dejan Kostić, *École Polytechnique Fédérale de Lausanne*
Karthik Lakshminarayanan, *Conviva*
Baochun Li, *University of Toronto*
Jinyang Li, *New York University*
Boon Thau Loo, *University of Pennsylvania*
Bruce Maggs, *Duke University and Akamai*
Sue Moon, *KAIST*
Thomas Moscibroda, *Microsoft Research*
KyoungSoo Park, *University of Pittsburgh*
Michael Piatek, *University of Washington*
Rodrigo Rodrigues, *Max Planck Institute for Software Systems*
Pablo Rodriguez, *Telefónica Research*
Antony Rowstron, *Microsoft Research*
Ion Stoica, *University of California, Berkeley*
Robbert van Renesse, *Cornell University*
Maarten van Steen, *VU University Amsterdam*
Xiaowei Yang, *Duke University*
Haifeng Yu, *National University of Singapore*

### Steering Committee

John R. Douceur, *Microsoft Research*
Emin Gün Sirer, *Cornell University*
Geoffrey M. Voelker, *University of California, San Diego*
Ben Y. Zhao, *University of California, Santa Barbara*

## Overview

The 9th International Workshop on Peer-to-Peer Systems (IPTPS '10) provides a forum for researchers to engage in a lively discussion of current and future trends in peer-to-peer systems. Co-located with NSDI '10 in San Jose, CA, this one-day workshop provides a venue in which to present and discuss peer-to-peer technologies, applications, and systems and to identify key research issues and challenges that lie ahead.

This year, the workshop's charter will be expanded to include topics relating to self-organizing and self-managing distributed systems. This is in response to recent trends where self-organizing techniques proposed in early peer-to-peer systems have found their way into more managed settings such as datacenters, enterprises, and ISPs to help deal with growing scale, complexity, and heterogeneity. In the context of this year's workshop, peer-to-peer systems are defined to be large-scale distributed systems that are mostly decentralized, are self-organizing, and might or might not include resources from multiple administrative domains.

Topics of interest include but are not limited to:

- Network and system support for peer-to-peer systems
- Self-organizing and self-managing distributed systems
- Adaptive algorithms and architectures for large-scale distributed systems
- New applications and protocols for peer-to-peer systems
- Availability, robustness, performance, and scaling
- Security, privacy, anonymity, anti-censorship, and incentives
- Lessons drawn from experience with deployed peer-to-peer systems
- Measurement, modeling, and workload characterization

Papers will be selected based on originality, likelihood of spawning insightful discussion, and technical merit. The program will include presentations of position papers along with plenty of time for lively discussion among the participants, as well as a demo session for working systems.

## Submission Guidelines

Author names and affiliations should appear on the title page (reviewing is not blind). Please do not submit abbreviated versions of journal or conference papers. In particular, submissions to IPTPS must not be concurrent with a substantially similar submission to a conference, including condensed versions of work that has been submitted to a conference and is currently under review. Paper submissions should follow these guidelines:

- 5 or fewer pages, including appendices and references
- Two columns
- 10-point type on 12-point leading ("single-spaced")
- Pages should be numbered
- PDF or PostScript format

Papers must be submitted via the Web submission form on the IPTPS '10 Call for Papers Web site, http://www.usenix.org/iptps10/cfp.

All papers will be available online to registered attendees before the workshop. If your accepted paper should not be published prior to the event, please notify production@usenix.org. The papers will be available online to everyone beginning on the day of the workshop, April 27, 2010.

Papers accompanied by nondisclosure agreement forms will not be considered. Accepted submissions will be treated as confidential prior to publication on the USENIX IPTPS '10 Web site; rejected submissions will be permanently treated as confidential.

Simultaneous submission of the same work to multiple venues, submission of previously published work, or plagiarism constitutes dishonesty or fraud. USENIX, like other scientific and technical conferences and journals, prohibits these practices and may take action against authors who have committed them. See the USENIX Conference Submissions Policy at http://www.usenix.org/submissionspolicy. Questions? Contact your program chairs, iptps10chairs@usenix.org, or the USENIX office, submissionspolicy@usenix.org.

## Demo Session

Beyond the traditional forum for presenting high-quality workshop papers, this year's IPTPS will include a session for demonstrating working code and peer-to-peer systems. Much like a poster session, presenters should prepare to showcase their systems throughout the demo session. A best demo award will be given at the end of the session.

To submit a proposal to present at IPTPS's demo session, please email the following information to iptps10demos@usenix.org in plain text (no attachments):

- Title
- Author names and affiliations
- URL of project home page (if available)
- Brief summary of project and novelty (up to 300 words)
- What will be shown in the demo (up to 150 words)

Logistical information will be available on the IPTPS '10 Call for Papers Web site.