2010 Workshop on the Economics of Networks, Systems, and Computation (NetEcon '10)

Sponsored by USENIX in cooperation with ACM SIGecom

http://www.usenix.org/netecon10

October 3, 2010   **Vancouver, BC, Canada**

NetEcon '10 will be co-located with the 9th USENIX Symposium on Operating Systems Design and Implementation (OSDI '10), which will take place October 4–6, 2010.

Important Dates

Submissions due: *Friday, June 4, 2010, 4:59 p.m. PDT (hard deadline)*
Notification of acceptance: *Tuesday, July 20, 2010*
Final papers due: *Wednesday, September 8, 2010*

Workshop Organizers

Program Co-Chairs

Mike Dahlin, *University of Texas at Austin*
Milan Vojnovic, *Microsoft Research*

Program Committee

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Peter Druschel, *Max Planck Institute for Software Systems*
Sharon Goldberg, *Boston University and Microsoft Research*
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Overview

The organizing committee is delighted to invite you to contribute to NetEcon '10.

The emergence of the Internet as a global platform for computation and communication has sparked the development and deployment of many large-scale networked systems. Often these systems involve multiple stakeholders with divergent or even competing interests. Unmitigated selfish behavior in these systems can lead to high inefficiency or even complete collapse. Research interest in the application of economic and game-theoretic principles to the design and analysis of networked systems has grown in recent years. The NetEcon Workshop promotes multi-disciplinary work and discussion about the role of incentives in communication and computation.

It is our hope that NetEcon will serve as a feeder workshop, i.e., that expanded, polished versions of some NetEcon workshop papers will appear later in major conference proceedings and refereed journals of relevant research communities. Authors for whom publication in the NetEcon online workshop papers would preclude later publication of an expanded version in the relevant venue may elect to contribute only a one-page abstract of their submitted paper to the NetEcon workshop papers; such an abstract should include the URL of a working paper or preprint that contains the main results presented at the NetEcon workshop.

Topics

Topics of interest to NetEcon '10 include but are not restricted to:

- Use of incentives and economic mechanisms in peer-to-peer systems, grids, spam prevention, security, Internet routing and peering, wireless networks, systems spanning multiple administrative domains, and other computational systems
- Algorithmic mechanism design
- Methods for engineering incentives and disincentives (e.g., reputation, trust, control, accountability, anonymity, etc.)
- Mathematical modeling and analysis of strategic behavior (or the lack thereof) in existing, deployed systems
- Empirical studies of strategic behavior, or the lack thereof, in existing, deployed systems
- Critiques of existing models and solution concepts, as well as proposals of better models and solution concepts
- Privacy, security, and anonymity in incentive-compatible computational systems

Information about previous NetEcon workshops can be accessed at http://netecon.seas.harvard.edu.

Submission Instructions

Submissions of both technical papers and position papers are encouraged. Submitted papers should contain original material: Papers that have already appeared in conference proceedings or journals or are currently under review are ineligible for consideration by NetEcon '10. If you have questions about the eligibility of a potential submission, please email the program co-chairs at netecon10chairs@usenix.org. Papers will be selected based on both technical merit and potential to spark interesting discussion at the workshop.

Paper submissions should be at most 6 pages in length, including figures but not counting the bibliography. Your paper should be typeset in two-column format in 10 point type on 12 point (single-spaced) leading, with a text block no more than 6.5" wide by 9" deep. Additional information (including detailed proofs or experimental data) may be included in a clearly marked

appendix that will be read at the discretion of the program committee members.

Proposals for panel discussions are also solicited. Panel proposals should be no longer than 2 pages in 10 point type or larger and should contain a brief topic description, a list of specific questions that the panel members will be expected to answer, the name and affiliation of the moderator, and a list of at least three potential panel members. (The final list of panelists need not be fixed before submission.)

Submission will be electronic via the Web submission form on the NetEcon '10 Call for Papers Web site, http://www.usenix.org/netecon10/cfp.

All submissions should be in PDF format only. If you are unable to produce a PDF submission or to upload your paper at the submission site, please email the program co-chairs at the address above in advance of the deadline.

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.

Papers accompanied by nondisclosure agreement forms will not be considered. Accepted submissions will be treated as confidential prior to publication on the USENIX NetEcon '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. Note, however, that we expect that papers accepted for NetEcon '10 might eventually be extended as full papers suitable for presentation at future conferences, as outlined above. Questions? Contact your program co-chairs, netecon10chairs@usenix.org, or the USENIX office, submissionspolicy@usenix.org.