

CALL FOR PAPERS
**3rd International Workshop on
Real Overlays & Distributed
Systems**
(ROADS '08 Madrid Workshop)



Co-located with ACM CoNEXT 2008 Conference
Madrid, Spain
December 9th, 2008

Call for Papers

The 3rd International Workshop on Real Overlays And Distributed Systems (ROADS) will bring together researchers in the systems and networking communities to engage in a lively discussion of new challenges in building large-scale distributed systems and networking overlays. ROADS is a place to share new, experiences, and work in progress, with an emphasis on systems that actually run in the wide-area Internet.

The Real in ROADS refers to systems that are deployed on a real platform for a period of time. They might be existing widely deployed systems, new research prototypes, or more permanent services, but submissions should address technical challenges they present for designers and researchers. We also welcome papers that explore the extent to which results retain their validity when moving from simulation (e.g., ModelNet) to emulation (e.g., Emulab), and/or to more realistic deployment settings (e.g., PlanetLab).

The workshop program will include invited speakers and presentations of peer-reviewed papers. Papers will be selected based on originality, likelihood of stimulating a lively discussion, and technical merit. We encourage submissions of early work containing novel and interesting ideas. We envision ROADS as a forum where participants can receive early feedback on the design and implementation of systems that may later form the core of submissions to conferences such as CoNEXT, SIGCOMM, NSDI, SOSP, OSDI, MobiCom, or MobiSys.

Topics

Topics of interest include, but are by no means limited to:

- *Self-organizing, autonomous, and federated networked systems*
- *Overlays and peer-to-peer systems*
- *Online social networks: privacy, reputation, content sharing, search*
- *Video-On-Demand and other advanced content distribution systems*
- *Cloud computing and data center networks*
- *Managing, debugging, and diagnosing problems in distributed systems*
- *Virtualization and resource management for networked systems*
- *Architectural support for improving security or availability*
- *Design and evaluation of Internet-scale testbeds*
- *Experiences with deployed systems (e.g., CDNs, metro-area Wi-Fi networks, massive multi-player game systems)*

- *Addressing novel challenges for the developing world*
- *Energy efficient computing in networked environments*

Submissions

Submissions should be at most 6 pages in length (including figures, tables, and references), in standard ACM two-column format, using at least 10 point type. Longer submissions will not be reviewed. Submissions should expose a new problem, advocate a specific solution, or report on actual experience. The review process is single blind. The submission site is <http://roads2008.mpi-sws.org/>.

Submission deadline: September 12th, 2008 (Friday, 23:59 CEST)
Notifications of acceptance: October 20th, 2008
Final versions due: November 14th, 2008

Publication

Electronic versions of the papers will be made available online before the workshop. Papers will appear in the ACM Digital Library and will be included in the CoNEXT electronic proceedings. There will be no printed proceedings.

Further details are available on the web at:

<http://www.sigcomm.org/co-next2008/roads.html>