ROADS '09
Fourth Workshop on **R**eal **O**verlays and **D**istributed **S**ystems
Co-located with the 22nd ACM Symposium on Operating Systems Principles
Big Sky Resort, Big Sky, MT

Important Dates

Submissions due	June 15, 2009
Acceptance notification	July 20, 2009
Camera-ready version	August 14, 2009
Workshop date	October 14, 2009

Scope

Designing, deploying, and operating services at Internet scale require new and innovative approaches. The ROADS workshop goal is to bring together people exploring challenges in building widely distributed networked systems with those building global-scale facilities to enable research on future communication networks, with an emphasis on systems that run on real networks, providing real services to real users.

For this workshop we especially welcome papers that explore the interaction between simulation (e.g., ModelNet or ns-3), emulation (e.g., Emulab), and more realistic deployment settings (e.g., PlanetLab) to better predict performance or architectural bottlenecks when scaling up a distributed service on experimental environments. These services might be existing, widely deployed systems, new research prototypes, or more permanent services, but submissions should address the technical and research challenges they present during the design, deployment, and evaluation phases.

Topics of interest include, but are not limited to:

- Design, implementation, and deployment of new network substrates / test-beds
- Seamless transition from simulation or emulation environments to real network substrates / test-beds
- Experiences with deployed systems (e.g., CDNs, online games, IPTV, P2P, etc.)
- Monitoring and Management of large-scale, federated networked systems
- Managing, debugging, and diagnosing problems in distributed systems
- Experiment workflow in real network substrates / test-beds

Submissions

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 SIGCOMM, NSDI, SOSP, OSDI, CoNEXT, MobiCom, MobiSys or EuroSys.

Submit a 6-page double column paper using 10pt type in PDF format via the EasyChair login page: http://www.easychair.org/conferences/?conf=roads09. Copies of the accepted proposals will be made available online before the workshop. Web page is http://roads.mytestbed.net.

This workshop is sponsored by

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