Call for Papers
LADIS 2009: The 3rd ACM SIGOPS International Workshop on Large Scale Distributed Systems and Middleware

In conjuction with SOSP 2009
October 10-11, 2009
Big Sky Resort, Big Sky, MT
http://www.cs.cornell.edu/projects/ladis2009

Important Dates

Paper Submission:	June 5th, 2009
Notification:	July 31st, 2009
Camera-ready due:	August 28th, 2009
Workshop Date:	October 10th – 11th, 2009

About the Workshop

LADIS 2009 will bring together researchers and practitioners in the fields of distributed systems and middleware to discuss the challenges of building massive cloud computing infrastructures. By posing research questions in the context of the largest and most-demanding real-world systems, LADIS serves to catalyze dialog between cloud computing engineers and scalable distributed systems researchers, to open the veil of secrecy that has surrounded many cloud computing architectures, and to increase the potential impact of the best research underway in the systems community.

This workshop invites work and promotes the exchange of ideas about:

- Consistency, reliability and fault-tolerance models for cloud computing infrastructures and the technologies to support them
  (e.g. convergent consistency, transactions, state-machine replication).
- Infrastructure technologies
  (e.g. Chubby, Paxos, Zookeeper, group membership services, distributed registries).
- Support and programming models for scalable cloud-hosted applications and services
  (e.g. map-reduce, global file systems, pub-sub, multicast, group communication).
- Power and other resource-management tools
  (e.g. virtualization and consolidation, resource allocation, load balancing, resource placement, routing, scheduling).

Particular attention is given to challenges unique to the cloud-computing domain.

The workshop will last for one and a half days, which will include a mix of presentation of accepted papers and as well as keynotes from prominent industry speakers who have been there, made key decisions, and can talk about the architectures of the world's most demanding cloud platforms. LADIS 2008 speakers included Jerry Cuomo (CTO, IBM Web Sphere), James Hamilton (technology guru for Microsoft's Cloud Computing initiative), Franco Travostino and Randy Shoup (both Distinguished Architects for eBay), and Ben Reed (developer of Yahoo's Zookeeper).

Submission and Logistics

Potential attendees are invited to submit a position or short research paper expressing new ideas, research directions, or relevant opinions. Paper submissions are limited to **5** pages and should include author names and affiliations (i.e., single-blind). The papers should have the same style as SOSP submissions. Papers will be judged on originality, clarity, relevance, and, above all, their likelihood of generating discussion. Accepted papers will be published in the ACM Digital Library.

Workshop Organizers
General Chair, Gregory Chockler, *IBM Research*
Program Co-Chair, Doug Terry, *Microsoft Research*
Program Co-Chair, Hakim Weatherspoon, *Cornell*

Program Committee
Patrick Eaton, *EMC Corp, Cloud Infrastructure Group*
Michael Freedman, *Princeton*
Steve Gribble, *University of Washington*
Rachid Guerraoui, *EPFL*
Benjamin Reed, *Yahoo! Research*
Rodrigo Rodrigues, *Max Planck Institute*
Mendel Rosenblum, *Stanford*
Mike Spreitzer, *IBM*
Franco Travostino, *EBay*
John Wilkes, *Google*