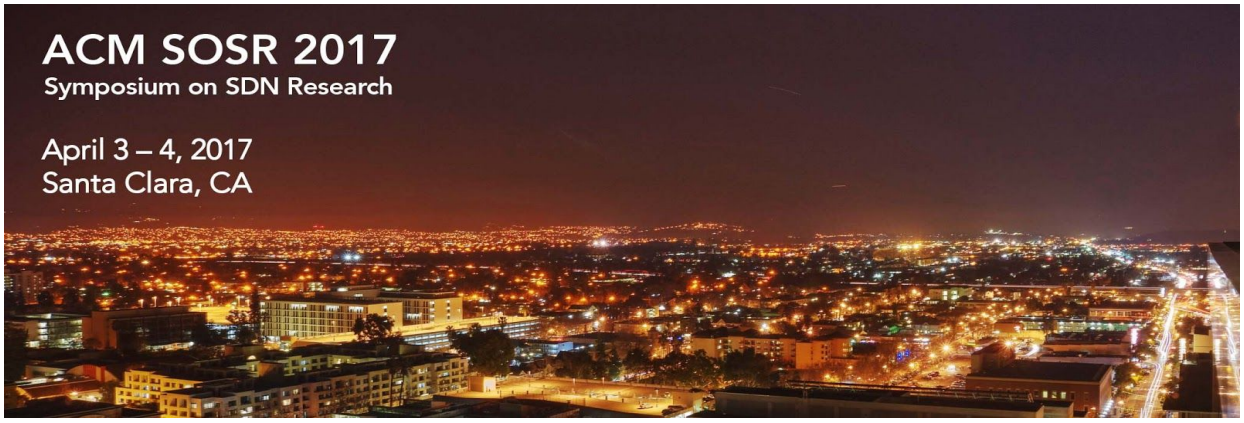

Call for Papers – SOSR 2017

Software Defined Networking (SDN) refactors the relationship between network devices and the software that controls them. Opening up the interfaces to programming the network enables more flexible and predictable network control, and makes it easier to extend the network with new functionality. SDN is employed in a large and growing number of experimental and production settings spanning enterprise data centers, campus networks, telcos, clouds, and online service provider networks. A variety of new applications have been developed, including network virtualization, responsive traffic engineering, dynamic access control, and seamless mobility support.

The Symposium on SDN Research (SOSR) is the premiere venue for research publications on SDN, building on past years' successful SOSR and HotSDN (Hot Topics in Software Defined Networking) workshops. This year SOSR is once again co-located with the Open Networking Summit (ONS) and with attendees from each event having access to selected sessions in the other event. As in 2016, this will enable interaction among the academic and industrial attendees of these two events focussed on research and development of SDN.

We invite researchers and practitioners to submit both long and short papers. SDN has matured to the point that large complex systems have been built and have experienced broad deployment. We hope to encourage submission of more detailed systems and experience papers by accepting long papers to the conference.

We call for submission of previously unpublished papers on Software Defined Networking. We particularly encourage position papers, radical ideas, and experiences building and deploying SDN systems.

Topics of interest include, but are not limited to, the following:

- Applications of SDN in home, wireless, cellular, enterprise, data-center, backbone, and transport networks
- Applications of SDN to network management, monitoring, security, Internet of Things (IoT), content-centric networking, etc.
- Virtualized network functions (e.g., firewalls, intrusion detection systems, load balancers, etc.) built or managed using software-defined networks
- Virtualization of SDNs
- White-box and bare-metal switching
- Novel data-plane architectures for software defined networks
- Programming languages, verification techniques, and testing techniques for SDN
- New SDN control frameworks
- Techniques for improving the security, reliability, performance, and scalability of SDNs
- Experiences deploying SDN technology and applications in operational networks
- Strategies for the incremental deployment of SDN in existing networks
- Distributed SDN control planes for better reliability, security, and performance

In addition to traditional research papers, we seek papers that present:

- The design and applications of useful SDN tools
- Surveys of important SDN concepts, techniques, and standards
- Technical overviews of larger research projects, production systems, and use cases
- Open-source benchmark suites or measurement data for evaluating SDN systems.

Submission Instructions

Submissions must be original, unpublished work, and not under consideration at another conference or journal. Each submission must be a single PDF file in two-column, 10-point format following the alternate ACM SIG LaTeX style file. Submitted short papers should be no longer than six (6) pages, and long papers no longer than twelve (12) pages, including all material except references. Papers must include the author names and affiliations for single-blind peer reviewing by the program committee. Papers should be submitted electronically via the submission site, a link to which will be posted on the symposium website.

Accepted papers will be published in the ACM Digital Library. Publication of short papers at SOSR is not intended to preclude later publication of a full-length version of the paper at a

conference. Please refer to the SIGCOMM policy on extended versions of short papers at: http://www.sigcomm.org/about/policies/frequently-asked-questions-faq/

Authors of accepted papers are expected to present their papers at the symposium and will have the opportunity to present a poster/demo at an interactive session, co-located with ONS.

Please direct submission-related questions to sosr17chairs@cs.yale.edu.

Submission Site

Please visit http://conferences.sigcomm.org/sosr/2017 for submissions.

Important Dates

Paper registration (with abstract):	October 28, 2016 (5pm US Pacific Time)
Paper submission:	November 4, 2016 (5pm US Pacific Time)
Notification:	January 13, 2017
Camera-ready due:	March 1, 2017
Conference:	April 3–4, 2017 in Santa Clara, CA

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