Announcement and Call for Papers
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NSDI ’17: 14th USENIX Symposium on Networked Systems Design and Implementation

March 27–29, 2017 • Boston, MA

Sponsored by USENIX, the Advanced Computing Systems Association

Important Dates
• Paper titles and abstracts due: September 14, 2016
• Full paper submissions due: September 21, 2016
• Notification to authors: December 5, 2016
• Final paper files due: February 23, 2017

Symposium Organizers
Program Co-Chairs
Aditya Akella, University of Wisconsin–Madison
Jon Howell, Google

Program Committee
Sharad Agarwal, Microsoft
Tom Anderson, University of Washington
Andrea Arpaci-Dusseau, University of Wisconsin—Madison
Anirudh Badam, Microsoft
Mahesh Balakrishnan, Yale University
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Mosharaf Chowdhury, University of Michigan
Mike Dahlin, Google
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Rodrigo Fonseca, Brown University
Nate Foster, Cornell University
Deepak Ganesan, University of Massachusetts Amherst
Phillipa Gill, Stony Brook University
Srikant Kandula, Microsoft
Teemu Koponen, Syira
Sanjeev Kumar, Uber
Swarun Kumar, Carnegie Mellon University
Wyatt Lloyd, University of Southern California
Boon Thau Loo, University of Pennsylvania
Jacob Lorch, Microsoft
Ratul Mahajan, Microsoft
Dahlia Malkhi, VMware

Overview
NSDI focuses on the design principles, implementation, and practical evaluation of networked and distributed systems. Our goal is to bring together researchers from across the networking and systems community to foster a broad approach to addressing overlapping research challenges.

NSDI provides a high-quality, single-track forum for presenting results and discussing ideas that further the knowledge and understanding of the networked systems community as a whole, continue a significant research dialog, or push the architectural boundaries of network services.
Topics
We solicit papers describing original and previously unpublished research. Specific topics of interest include but are not limited to:

- Highly available and reliable networked systems
- Security and privacy of networked systems
- Distributed storage, caching, and query processing
- Energy-efficient computing in networked systems
- Cloud/multi-tenant systems
- Mobile and embedded/sensor applications and systems
- Wireless networked systems
- Network measurements, workload, and topology characterization systems
- Self-organizing, autonomous, and federated networked systems
- Managing, debugging, and diagnosing problems in networked systems
- Virtualization and resource management for networked systems and clusters
- Systems aspects of networking hardware
- Experience with deployed/operational networked systems
- Communication and computing over big data on a networked system
- Practical aspects of network economics
- An innovative solution for a significant problem involving networked systems

Operational Systems Track
In addition to papers that describe original research, NSDI ’17 also solicits papers that describe the design, implementation, analysis, and experience with large-scale, operational systems and networks. We encourage submission of papers that disprove or strengthen existing assumptions, deepen the understanding of existing problems, and validate known techniques at scales or environments in which they were never used or tested before. Such operational papers need not present new ideas or results to be accepted.

Authors should indicate on the title page of the paper and in the submission form that they are submitting to this track.

What to Submit
NSDI ’17 is double-blind, meaning that authors should make a good faith effort to anonymize papers. This is new for NSDI in 2017. As an author, you should not identify yourself in the paper either explicitly or by implication (e.g., through the references or acknowledgments). However, only non-destructive anonymization is required. For example, system names may be left un-anonymized, if the system name is important for a reviewer to be able to evaluate the work. For example, a paper on experiences with the design of .NET should not be re-written to be readable when printed in black and white. All operational papers need not present new ideas or results to be accepted.

Authors should indicate on the title page of the paper and in the submission form that they are submitting to this track.

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Authors must, as part of the submission process, attest that their work complies with all applicable ethical standards of their home institution(s), including, but not limited to privacy policies and policies on experiments involving humans. Note that submitting research for approval by one’s institution’s ethics review body is necessary, but not sufficient—in cases where the PC has concerns about the ethics of the work in a submission, the PC will have its own discussion of the ethics of that work. The PC’s review process may examine the ethical soundness of the paper just as it examines the technical soundness.

**Processes for Accepted Papers**

If your paper is accepted and you need an invitation letter to apply for a visa to attend the conference, please contact conference@usenix.org as soon as possible. (Visa applications can take at least 30 working days to process.) Please identify yourself as a presenter and include your mailing address in your email.

Accepted papers may be shepherded through an editorial review process by a member of the Program Committee. Based on initial feedback from the Program Committee, authors of shepherded papers will submit an editorial revision of their paper to their Program Committee shepherd. The shepherd will review the paper and give the author additional comments. All authors, shepherded or not, will upload their final file to the submissions system by the camera ready date for the conference Proceedings.

All papers will be available online to registered attendees before the conference. 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 first day of the conference.

**Best Paper Awards**

Awards will be given for the best paper(s) at the conference.

**Community Award**

To encourage broader code and data sharing within the NSDI community, the conference will also present a “Community Award” for the best paper whose code and/or data set is made publicly available by the final papers deadline, February 23, 2017. Authors who would like their paper to be considered for this award will have the opportunity to tag their paper during the submission process.