

ACM IMC 2016 – Call For Papers

<http://conferences2.sigcomm.org/imc/2016/index.html>



November 14 – 16, 2016

Santa Monica, California, USA

The Internet Measurement Conference (IMC) is a highly selective venue for the presentation of measurement-based research in data communications. The focus of IMC 2016 will be on research that either improves the practice of network measurement, or illuminates some facet of an operational network, or both. IMC takes a broad view of contributions that are considered in scope for improving the practice of network measurement, including, but not limited to:

- ❖ collection and analysis of data that yield new insights about network structure and network performance (e.g., traffic, topology, routing, energy utilization)
- ❖ collection and analysis of data that yield new insights about application and end-user behavior (e.g., economics, privacy, security, application interaction with protocols)
- ❖ modeling of network internals and application behavior (e.g., workloads, scaling behavior, assessment of performance bottlenecks)
- ❖ methods and tools to monitor and visualize network-based phenomena
- ❖ novel systems and algorithmic techniques that leverage measurement-based findings
- ❖ advances in data collection, analysis, and storage (e.g., anonymization, querying, sharing)
- ❖ reappraisal of previous empirical findings

Operational networks of interest include:

- ❖ the Internet backbone
- ❖ edge networks (e.g., home networks, cellular networks, WLANs)
- ❖ data centers and cloud computing infrastructure
- ❖ peer-to-peer, overlay, and content distribution networks
- ❖ infrastructure for online social networks
- ❖ experimental networks, prototype networks, and future Internets

Important Dates

Paper registration: May 5, 2016
Paper submission: May 12, 2016
Notification: July 29, 2016
Camera-ready due: September 9, 2016

Review process and criteria

IMC 2016 invites two forms of submissions:

- ❖ Full papers (up to 13 pages for text and figures + up to 2 pages for references) that describe original research, with succinctness appropriate to the topics and themes they discuss.
- ❖ Short papers (up to 6 pages for text and figures + up to 1 page for references) that convey work that is less mature but shows promise, articulate a high-level vision, describe challenging future directions, critique current measurement wisdom, or offer results that do not merit a full submission.

Papers describing experiments with users or sensitive user data (e.g., network traffic, passwords, social network information), must follow basic precepts of ethical research and subscribe to community norms. Authors should only submit original work that has not been published before and is not under submission to any other venue. We will consider full paper submissions that extend previously published short, preliminary papers (including IMC short papers) following the model of the ACM SIGCOMM policy. Any submission exceeding short paper page-length limit will be evaluated as a full paper.

IMC 2016 will bestow two awards: one will recognize the outstanding paper at the conference, and the other will recognize a paper that contributes a novel dataset to the community and makes it publicly available.