



ANCS 2017

The 13th ACM/IEEE Symposium on Architectures for Networking and Communications Systems

<http://www.ancsconf.org>

May 18-19, 2017
Beijing, China

ACM/IEEE ANCS, will be held May 18-19, 2017, at Tsinghua University, Beijing, China, and is the premier forum for presenting and discussing original research that explores the relationship between the algorithms and architectures of data communication networks and the hardware and software elements from which these networks are built. This includes both experimental and theoretical analysis. To recognize and foster the increasing importance of research into the co-design of computer and network systems, the conference also places an emphasis on systems issues arising from the interaction of computer and network architectures.

Topics of interest include, but are not limited to:

- Future network architectures
- High-speed networking algorithms and mechanisms
- SDN/NFV architectures and systems
- Virtualized network infrastructure architectures and systems
- Architectures for cloud data center networks
- Container networking and micro-segmentation issues
- Converged router, server, and storage platforms
- Router/switch and middle box architectures
- Host-network interface issues
- Big data analysis and data-driven network diagnosis and security
- Wireless network, including 5G and IoT issues
- Powerless communication and network architecture
- Reconfigurable architectures for packets, flow and table maintenance
- Information-centric network architectures, platforms, and mechanisms
- Network security techniques, architectures, and devices
- Network measurement techniques, architectures, and devices
- High-performance and high-function network processing platforms
- Power- and size-optimized computer and communications platforms
- Hardware accelerators and offload engines
- Single-chip networking elements, e.g. ASIC, FPGA, TCAM, NPU, and Network-on-Chip
- Memory architectures and technologies for packet, state and table storage.

IMPORTANT DATES:

Abstract submission: **Jan. 7, 2017 (optional)**
Full paper submission: **Jan. 21, 2017**
Notification of acceptance: **Mar. 8, 2017**

ORGANIZING COMMITTEE:

General Chair	Jianping Wu	Tsinghua University
Program Chairs	Jun Li	Tsinghua University
	Viktor Prasanna	University of Southern California