

IEEE LANMAN 2017

THE 23RD IEEE INTERNATIONAL SYMPOSIUM
ON LOCAL AND METROPOLITAN AREA NETWORKS
JUNE 12-14, 2017, Osaka, JAPAN



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| Important Dates | Paper Submission deadline: | February 26 |
| | Acceptance notification: | April 18 |
| | Camera-ready Submission: | May 9 |
| | Early registration deadline: | May 9 |

Symposium Web Page <http://www.ieee-lanman.org/>

General Co-chairs

Giuseppe Bianchi, *University of Rome, Tor Vergata, Italy*
Toru Hasegawa, *Osaka University, Japan*
Arata Koike, *NTT R&D, Japan*

TPC Co-chairs

Tommaso Melodia, *Northeastern University, USA*
Timothy Wood, *The George Washington University, USA*

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K. K. Ramakrishnan, *University of California, Riverside, USA*

Call for Paper

IEEE LANMAN has an established tradition as a forum for presenting and discussing the latest technical advances in local and metropolitan area networking. Cutting-edge papers spanning both theory and experimentation are solicited in all areas of networking. Continuing the tradition of identifying a central theme that is of current interest in our field, IEEE LANMAN 2017's theme will be **Connecting Smart Cities through Software-Defined Infrastructure**. This topic broadly encompasses research on how software-defined technologies are revolutionizing networking, particularly for emerging applications like Smart Cities and the Internet of Things. Network Function Virtualization and Software Defined Networking are transforming the network data and control planes, promising greater flexibility and lower cost. As industry and academia explore new application paradigms running on smart devices, there is an ever growing need for new network architectures, protocols, and management technologies.

The intimate single-track session format of the symposium encourages stimulating exchanges between researchers. The symposium is expected to be a forum for discussion of new and interdisciplinary ideas on architectures, algorithms, service models, pricing, and performance. Speculative and potentially transformative ideas are particularly encouraged, as are studies reporting measurements from real-life networks and testbeds. Papers are solicited on topics including, but not limited to:

- Novel data center network architectures, technologies, and protocols
- Mobile Edge Computing and architecture innovation
- Software defined networking and network function virtualization
- Integration of cloud server, storage, and network resources
- Name-to-name communications and name-based abstractions
- Energy-efficiency, reliability, resource allocation, and pricing in data centers
- Wireless access technologies (WiFi, LTE, etc) and their integration in 5G networks
- Performance measurement and modeling
- Internet-of-Things and Machine-to-machine communications
- Smart cities, connected transportation systems, and intelligent buildings
- Local-area and metropolitan-area network security
- LAN-based and MAN-based applications (gaming, distributed computing, media distribution to and in the home, enterprise applications, ambient technology, wearable-computing)