Call for Papers

The 11th ACM Workshop on Wireless Network Testbeds, Experimental evaluation & CHaracterization (WiNTECH 2017)

Held in conjunction with ACM MobiCom 2017-- Experimental Track

ACM WiNTECH has advanced to its second decade as one consolidated tradition for bringing together an important number of researchers and industry players working in different aspects of experimental wireless communications. The workshop will continue to serve as a forum for sharing new ideas and experiences gathered across all experimental aspects of wireless networks and systems, such as the methodological and technical issues that have to be faced for defining, running, controlling and benchmarking experiments on wireless solutions. The workshop will also facilitate discussions of key unresolved challenges and emerging problems in the field, such as new laboratory methodologies, key real-life limitations of current and novel wireless technologies that have emerged over the past few years (including mmWave, underwater, 5G, IoT, wearables, and SDN), as well as key challenges facing the wireless networking of the future.

We are seeking original, previously unpublished papers empirically addressing key issues and challenges in wireless networking. All submissions will be judged by their technical merit and relevance to the workshop, based on a thorough review process by the Technical Program Committee.

Topics of interest include, but are not limited to:

- Desing and evaluation of wireless testbeds and prototyping platforms for
  - mmWave communications and networking
  - emerging PHY implemented on Software defined radio (SDR)
  - IoT and wearable computing
  - Visibile Light Communications (VLC)
  - UAV, multi-robot and vehicular networks
  - Underwater/underground networks Software Defined Networking (SDN) for wireless networks
  - Cellular networks (LTE, 5G)
  - innovative protocols on sensor nodes
  - innovative protocols on WiFi nodes
  - Other wireless networks, mobile computing, cyber-physical systems
- Experiences/lessons from recent testbed deployments
- Techniques for improving reproducibility of real-world testing
- Testbed control and management issues
- Evaluation of large-scale and heterogeneous wireless networks
- Experimental evaluation of performance/energy consumption of applications and protocols, including the impact of cross-layer interactions
- Measurement and evaluation on large-scale smartphone based deployments
- Real-world evaluation of cellular networks
- Studies on real-world white-space networks, interference and spectrum usage measurements
- Coexistence in unlicensed bands, including LTE/WiFi coexistence
- Measurement and characterization (modeling) of real-world aspects of wireless networks such as usage patterns, traffic, mobility and channel characteristics
- Security and privacy mechanisms for mobile and wireless networks
- sharing experiences and results with real testbeds, experimental evaluation, prototying and empirical characterization of wireless technologies

Paper Submission

Papers should contain original material and not be previously published or currently submitted for consideration elsewhere. Manuscripts must be submitted by using the HOTCRP conference management system (https://wintech17.hotcrp.com/). Prospective authors are encouraged to submit a single PDF file with all font embedded, using the ACM conference proceedings format.

Paper length is limited to eight (8) pages (in two-column, 10-point format) including references, figures and everything. Papers must include the author name and affiliation for single-blind peer reviewing by the program committee. Authors of accepted papers are expected to present their papers at the workshop. Accepted papers will be published in the ACM WiNTECH proceedings and will be archived in the ACM Library. All papers will be considered for the **Best Paper Award**.

Important Dates

Paper registration:	June 15, 2017
Paper submission:	June 22, 2017
Acceptance notification:	July 21, 2017
Camera ready:	July 29, 2017

Poster/Demo submission:	July 24, 2017
Poster/Demo acceptance notification:	Aug 7, 2017
Poster/Demo camera ready:	Aug 15, 2017

Workshop Chairs

Chunyi Peng, The Ohio State University
Ilenia Tinnirello, University degli Studi di Palermo

Steering Committee

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Mahesh Marina, University of Edinburgh
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Guan-Hua (Scott) Tu, Michigan State University
Violet Syrotiuk, Arizona University
Szymon Szott, AGH University
Joerg Widmer, IMDEA Networks
Pengyu Zhang, Stanford

If you have any other question regarding WiNTECH 2017, please contact us at chair.wintech2017@gmail.com.

Look Forward to Seeing You at WiNTECH 2017, Snowbird, Utah, USA.

WiNTECH 2017 site: http://peng.cse.ohio-state.edu/wintech2017