



IEEE Global Communications
Conference
9-13 December 2018
Abu Dhabi, UAE
Gateway to a Connected World



Call for Papers

Mobile and Wireless Networking Symposium

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Scope and Motivation:

The Mobile and Wireless Networking Symposium aims to serve as an international forum for experts, researchers, and practitioners from academia, industry, and government to exchange ideas and new results on research and development as well as to promote and accelerate standardization, applications, and services of current and future wireless networks. This symposium invites participation from both academic and industry researchers working in the area of wireless networking technologies, services, architectures, and protocols. The overall goal is to present the latest snapshot of the ongoing research as well as to shed further light on future directions in this space. Authors are invited to submit papers presenting novel technical studies as well as broader position and vision papers comprising hypothetical/speculative scenarios.

Main Topics of Interest:

- Cellular systems, 2G/2.5G/3G/4G/5G and beyond
- LTE, WiMAX, WMAN, and other emerging broadband wireless networks
- WLAN, WPAN, and other home/personal networking technologies
- Pervasive and wearable computing and networking
- Underwater wireless networks
- Delay tolerant wireless networks
- Small cells and femtocell networks
- Wireless mesh networks
- Vehicular wireless networks
- mmWave wireless networks
- Software-defined wireless networks
- Free space optical networks
- Wireless cloud computing
- Wireless network virtualization



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- Network slicing on radio access and mobile networks
 - Inter-networking of wireless heterogeneous and multi-tier networks
 - Cognitive radio networks, dynamic spectrum access and emerging applications and services
 - Reconfigurable wireless networks
 - Novel architectural design and operation models
 - Wireless multimedia networks
 - Information-centric wireless networks
 - Opportunistic wireless networks
 - Green wireless networks
 - Social wireless networks
 - Machine-to-machine communications
 - Internet of things
 - End-to-end protocols, flow and congestion control
 - Power management and energy conservation techniques
 - User cooperation and incentive schemes
 - Cross-layer design and optimization
 - Fault-tolerance and traffic engineering
 - Testbeds and deployment
 - Standardization activities of emerging wireless technologies