IEEE International Conference on Communications

16-20 May 2022 // Seoul, Korea

Intelligent Connectivity for Smart World

Call for Papers for
Mobile & Wireless Networks Symposium

SYMPOSIUM CO-CHAIRS:

Abdallah Shami, Western University, Canada, email: Abdallah.Shami@uwo.ca
Swades De, Indian Institute of Technology Delhi, India, email: swadesd@ee.iitd.ac.in
Anna Maria Vegni, Roma Tre University, Italy, email: annamaria.vegni@uniroma3.it
Dejun Yang, Colorado School of Mines, USA, email: djyang@mines.edu

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 new ideas and 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 contributions and 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 mobile and wireless networking systems. Authors are invited to submit papers presenting novel technical studies as well as position and vision papers comprising hypothetical/speculative scenarios.

TOPICS OF INTEREST:

The Mobile and Wireless Networks Symposium seeks original contributions in the following topical areas, plus others that are not explicitly listed but are closely related:

- 5G/6G networks and beyond
- Reconfigurable wireless networks
- Integration of terrestrial and non-terrestrial networks
- User cooperation and incentive techniques in wireless networks
- Small cell networks
- Wireless mesh networks
- Vehicular wireless networks
- UAV networks
- Underwater wireless networks
- Delay-tolerant wireless networks

- Software-defined wireless networks
- Wireless multimedia networks
- mmWave and Terahertz wireless networks
- Free-space optical networks
- Opportunistic wireless networks
- Network slicing on wireless networks
- Inter-networking of wireless heterogeneous networks
- Energy harvesting and self-sustainable networks
- Dual-powered cellular networks
- Green mobile and wireless networks
- Artificial Intelligence (AI)/Machine Learning (ML)-based wireless networking technologies
- Wireless network virtualization technologies
- Wireless edge computing, fog computing, and cloud computing
- Pervasive and wearable computing and networking technologies
- WLAN, WPAN, and other home/personal networking technologies
- Coexistence of heterogeneous wireless networks
- Device-to-device communications
- Cell-free wireless networks
- Machine-to-machine communications
- Network architectural design
- Medium access control
- Routing and path selection
- Flow and congestion control
- Fault-tolerance and traffic engineering
- Topology control
- Mobility management
- Resource management
- Power management
- Cross-layer design and optimization
- Fault-tolerance and reliability testbeds and deployment of wireless networks
- Standardization activities of emerging wireless technologies

IMPORTANT DATES:

Deadline for paper submission: 11 October 2021
Date for notification: 18 January 2022
Deadline for final paper submission: 15 February 2022