

IEEE Global Communications Conference

4-8 December 2022 – Rio de Janeiro, Brazil

Accelerating the Digital Transformation through Smart Communications



CALL FOR PAPERS AND PROPOSALS

Mobile and Wireless Networking Symposium

Symposium Co-Chairs

- Vojislav MISIC, Ryerson University, Canada, vmisic@ryerson.ca
- Miao PAN, University of Houston, mpan2@uh.edu
- Linglong DAI, Tsinghua University, China, daill@tsinghua.edu.cn
- Yun LIN, Harbin Engineering University, China, linyun@hrbeu.edu.cn

Scope and Motivation

The Mobile and Wireless Networking Symposium welcomes contributions and participation from both academic and industry researchers working in the area of wireless networking technologies, services, architectures, and protocols. This symposium aims to serve as an international forum where experts, researchers, and practitioners from academia, industry, and government can exchange ideas and novel results on research and development. It is also envisioned to promote and accelerate standardization, applications, and services of current and future wireless networks. 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 position and vision papers comprising hypothetical/speculative scenarios.

Topics of Interest

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

- LTE, WiMAX, WMAN, and other emerging broadband wireless networks
- 5G/6G networks and beyond
- WLAN, WPAN, and other home/personal networking technologies
- Security and privacy in mobile wireless networks
- Pervasive and wearable computing and networking
- Small cells and femtocell networks
- Wireless mesh networks
- Vehicular wireless networks
- Cognitive radio networks
- Underwater wireless networks
- Delay-tolerant wireless networks
- mmWave wireless networks

- Software-defined wireless networks
- Reconfigurable wireless networks
- Free space optical networks
- Wireless edge computing, fog computing, and cloud computing
- Device-to-device communications
- Machine-to-machine communications
- Medium access control
- Routing and path selection
- Mobile social network
- Green wireless network
- Machine learning over wireless networks
- Flow and congestion control
- Power management and energy conservation techniques
- User cooperation and incentive techniques
- Cross-layer design and optimization
- Fault-tolerance and traffic engineering
- AI for wireless networking
- Testbeds and deployment of wireless networks
- Standardization activities of emerging wireless technologies
- Non-terrestrial networks
- Communication paradigms based on emerging wireless technologies
- Integration of satellite and terrestrial networks

Important Dates

- Paper Submission: 15 April 2022
- Notification: 25 July 2022
- Camera Ready and Registration: 1 September 2022

How to Submit a Paper

All papers for technical symposia should be submitted via EDAS. Full instructions on how to submit papers are provided on the IEEE Globecom 2022 website: <https://globecom2022.ieee-globecom.org/>