CALL FOR PAPERS AND PROPOSALS

TECHNICAL SYMPOSIUM

RF, Optical, Spectrum Technology
- Antennas and RF Techniques
- Ultra-Wideband, Millimeter-Wave, and Terahertz
- Next Generation MIMO and Massive MIMO
- Waveforms and Modulation
- Channel Modeling and Estimation
- Smart Radio Environment
- Optical Communications
- Visible Light and Wireless Optical Communication
- Reconfigurable Intelligent Surface
- Signal Processing and Integrated Circuits
- Spectrum Sharing/Coexistence

Wireless Communications Systems
- Advanced Modulation Schemes
- Cooperative and Relay-aided Communications
- Interference Management, Alignment, and Cancellation
- Cross-Layer Optimization
- Massive Communication and Information Theory
- Multiple Access
- Equalization, Channel Estimation, Synchronization
- Error Correcting Codes
- Satellite and Deep Space Communications
- Machine Learning for Wireless Communications
- Game-Theoretic Approaches to Wireless Communications

Wireless Networks
- Ad-hoc Networks
- Vehicular Networks
- 802.11 and Next-generation Wi-Fi
- UAVs and Non-Terrestrial Networks
- Software Defined Radio and Networks
- Networking Architectures for Artificial Intelligence
- Local 5G/B5G Systems
- Data Science and AI for Wireless Networks
- Resource Management

Security and Privacy in Communications
- Applied Cryptography for Cyber, Information, and Network Security
- Public Key Infrastructures and Authentication Protocols
- Communication Privacy and Anonymity
- Blockchain Security
- Malware Detection and Damage Recovery
- Network Intrusion Detection and Prevention, Firewalls, Packet Filters
- Key Management and Credential Management
- Cloud, Data Center and Distributed Systems Security
- Quantum Communications and Networks

International Standards, Multimedia, Social Media, Application Services, and Applications
- Experiments, Prototypes, and Testbeds
- Sensing and Localization
- O-RAN
- B5G and 6G Standardization
- Networking Support for Virtual and Augmented Reality
- Network Economics
- Mobile Social Media and Social Networks
- Holographic Communications
- Video and Multimedia Coding

IoT, Sensor Networks, and AI-Enabled Networks
- IoT and Machine Type Communications
- E-health and Mobile Health
- Innovative Implanted and Wearable Devices
- Convex and Non-Convex Optimization for Wireless Networks
- Bayesian Optimization for Wireless
- End-to-end Machine Learning over Wireless Channels
- Communication-inspired Machine Learning
- Edge Computing, Edge Intelligence, and Fog Networks
- Green Communications and Networks
- Machine-to-machine Communication
- Smart Factory, Smart Community

IMPORTANT DATES

Symposium Paper Submissions: ~~July 1, 2023~~; July 23, 2023 (extended)
Notification of Acceptance: September 15, 2023
Camera-Ready Submissions: October 15, 2023
Workshop Proposals: July 1, 2023
Tutorial Proposals: September 1, 2023