

COINS 2020

IEEE International Conference on Omni-layer Intelligent systems

Track Name: Communications and Networking

Call for Papers

July 27-29, 2020
Barcelona, Spain
<https://coinsconf.com>



COINS is the premier conference devoted to omni-layer techniques for smart IoT systems, by identifying new perspectives and highlighting impending research issues and challenges. The track covers (but is not limited to) the following topics:

- IoT architecture design options and system optimizations
- 5G networks, IoT and Tactile Internet
- Heterogeneous networks and small cells
- Ad Hoc and sensor networks
- D2D and M2M communications
- Private LTE/ 5G networks
- Physical layer and MAC layer design for 5G-enabling wireless networks
- Topology, deployment, and optimization of wireless networks
- Wireless technology for high speed
- Application of SDN, NFV, and cloud computing to 5G (and legacy) RAN and core network architectures and implementations, such as network slicing
- Solutions for battery-conserving, interference-mitigating terminal design
- Multi-antenna and beamforming systems
- Signal processing for communications
- Big data networking
- Cognitive radio and networks
- Pervasive and mobile computing
- Next-Generation Wi-Fi
- 5G-LTE interworking and 5G/LTE — Wi-Fi/Wi-Gig interworking technology
- Next-generation non-RF communications systems.
- Emerging candidate technologies and business use-cases for Beyond 5G
- Traffic measurement and analysis
- Intelligent-, intent-based and cognitive networking and network management.
- Network functions virtualization and software defined networking
- Molecular, biological and multi-scale communications
- Quality of Service (QoS) and Quality of Experience (QoE)
- Standards for communications and networking
- Progress and future challenges in standardization (e.g. ETSI NFV, IETF/IRTF, etc.)
- Telecom, governance, policy and regulations
- Telecom business: local, country, region and international cases
- Multi-Access Edge Computing, Edge-Fog Computing
- SDN and NFV in access, edge, and transport for 5G
- Multi-tenancy, slicing, and control of multi-domain heterogeneous infrastructures.
- New user applications at the edge of the communication network.
- Insights on pilots, proof-of-concept, and prototypes on access, edge, and transport networks.

Key Dates



Submission of Regular Papers and Special Session Papers
March 06, 2020



Notification of Paper Acceptance
May 06, 2020