Communication Theory Symposium

SYMPOSIUM CHAIRS AND CO-CHAIRS:

Marco Chiani, University of Bologna, Italy, marco.chiani@unibo.it
Rui Dinis, FCT-UNL, Instituto de Telecomunicações, Portugal, rdinis@fct.unl.pt
Paschalis Sofotasios, Khalifa University, UAE & Tampere University, Finland, paschalis.sofotasios@ku.ac.ae

SCOPE AND MOTIVATION

The Communication Theory Symposium will focus on the fundamentals of communication systems, with emphasis on wireless and wireline communications. The symposium welcomes original and innovative research work in these general areas, focusing on the physical layer and its interactions with higher layers. High quality papers reporting on applications of communications theory from both industry and academia are encouraged.

TOPICS OF INTEREST

Adaptive Modulation and Coding
Channel Estimation and Synchronization
Coding Theory
Communication Theory Aspects of Ad Hoc and Sensor Networks
Communication Theory Aspects of Distributed and Edge Computing
Communication Theory Aspects of Networks and Cross-Layer Design
Detection and Estimation Theory
Distributed Coding and Processing
Diversity and Fading Counter measures
Feedback in Communication Systems
Fundamentals of Cache-Aided Communication
Fundamentals of Heterogeneous and Small-Cell Networks
Fundamentals of Low-Latency and Short-Packet Communications
Fundamentals of Massive Connectivity
Information Theory and Channel Capacity
Interference Management, Cancellation, Alignment, and Avoidance
Iterative Techniques, Detection, and Decoding
MIMO and Massive MIMO
Multiple Access, Radio Resource Management, and Scheduling
Network and Multiuser Information Theory
Orthogonal and Non-Orthogonal Multiple Access Techniques
Orthogonal Frequency Division Multiplexing (OFDM) and Multi-Carrier Systems
Physical Layer Security
Quantum Communications and Networks
Radio Resource Management and Scheduling
Random Access Theory and Techniques
Source Coding and Data Compression
Stochastic Geometry and its Application to System Analysis and Design
Theoretical Aspects of Blockchain Networks
Theoretical Aspects of Cognitive Radio
Theoretical Aspects of Cooperative Communications
Theoretical Aspects of Device-to-Device and Machine-to-Machine Communications
Theoretical Aspects of Fiber Optical and Free-Space Optical Communications
Theoretical Aspects of Machine Learning in Communications
Theoretical Aspects of Powerline and Underwater Communications
Theoretical Aspects of Simultaneous Wireless Information and Power Transfer
Ultra-Wideband, Millimeter Wave and Terahertz Communication Theory
Unmanned Aerial Vehicle (UAV) Communications
Wireless Communications Powered by Energy Harvesting
IMPORTANT DATES

Paper Submission: 15 April 2020

Notification: 25 July 2020

Camera Ready and Registration: 1 September 2020

SUBMISSION INSTRUCTION

All papers for technical symposia should be submitted via EDAS through the following link: https://edas.info/N27054