



IEEE International Conference on Communications
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COMMUNICATIONS FOR CONNECTING HUMANITY



CALL FOR PAPERS

COMMUNICATION THEORY SYMPOSIUM

Symposium Co-Chairs

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Scope and Topics of Interest

The Communication Theory Symposium will focus on the fundamentals of communication systems, with emphasis on wireless and wired 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.

To ensure complete coverage of the advances in this field, the Communication Theory Symposium cordially invites original contributions in, but not limited to, the following topical areas:

- Adaptive Modulation and Coding
- Channel Estimation and Synchronization
- Communication Theory Aspects of Ad Hoc and Sensor Networks
- Theory Aspects of Cooperative Communications
- Communication Theory for Cross Layer Design
- Detection and Estimation Theory
- Distributed Coding and Processing
- Diversity and Fading Countermeasures
- Energy Efficient Communication
- Feedback in Communication Systems
- Fundamentals of Heterogeneous and Small-Cell Networks
- Fiber Optical Communications and Free-Space Optical Communications
- Information Theory and Channel Capacity
- Network and Multiuser Information Theory
- Coding Theory
- Network Coding
- Theory Aspects of Interference Characterization and Applications of Stochastic Geometry
- Theory Aspects of Interference Management, Cancellation, Alignment, and Avoidance
- Iterative Techniques, Detection and Decoding
- Joint Source/Channel Coding
- Multiple Access Techniques
- Theory Aspects of Multiple-Input Multiple-Output (MIMO) Communications
- Multiuser Diversity

- Orthogonal Frequency Division Multiplexing (OFDM) and Multi-Carrier Systems
- Radio Resource Management and Scheduling
- Source Coding and Data Compression
- Space-Time Coding and Processing
- Theoretical Aspects of Cognitive Radio
- Theoretical Aspects of Device-to-Device and Machine-to-Machine communications
- Theoretical Aspects of Power Line Communication
- Ultra-Wideband, Millimeter Wave, and Sub-Terahertz Communication Theory
- Wireless Communications Powered by Energy Harvesting

Submission Guidelines

The IEEE ICC 2018 website provides full instructions on how to submit papers & the paper format.

You will select the desired symposium when submitting.

The paper submission deadline is October 15, 2017.

Only PDF files will be accepted for the review process and all submissions must be done through EDAS at <http://edas.info/>