



Call for Papers for *Communication Theory Symposium*

Symposium Co-Chairs

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Scope and Motivation

The Communication Theory Symposium will aim to address fundamentals of communication systems. The symposium welcomes original and innovative research in this general area, 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

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
- Cache-Aided Communication
- Channel Estimation and Synchronization
- Coding Theory
- Cooperative Communications
- Detection and Estimation Theory
- Device-to-Device and Machine-to-Machine Communications
- Distributed and Edge Computing
- Diversity and Fading Countermeasures
- Feedback in Communication Systems
- Information Theory
- Interference Management, Cancellation, Alignment, and Avoidance
- Iterative Techniques, Detection, and Decoding

- Machine Learning in Communication Systems
- Millimeter Wave and Terahertz Communications
- Multiple Access, Radio Resource Management, and Scheduling
- Multiple-Input Multiple-Output (MIMO) Systems and Massive MIMO
- Network and Multiuser Information Theory
- Networks and Cross-Layer Design
- Optical Communications
- Orthogonal Frequency Division Multiplexing (OFDM) and Multi-Carrier Systems
- Physical Layer Security
- Privacy in Communication Networks
- Simultaneous Wireless Information and Power Transfer
- Source Coding and Data Compression
- Ultra-Reliable and Low-Latency Communications
- Ultra-Wideband Communication Systems
- Wireless Communications Powered by Energy Harvesting

Important Dates

Paper Submission: 12 October 2020

Notification: 25 January 2021

Camera Ready and Registration: 22 February 2021

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 ICC2021 website: <https://icc2021.ieee-icc.org/>