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WCSP 2018
Communications Theory Symposium
October 18-20, 2018, Hangzhou, China
http://www.ic-wcsp.org

Overview: The annual International Conference on Wireless Communications and Signal Processing (WCSP) aims to provide a forum that brings together International researchers from academia and practitioners in industry to meet and exchange ideas and recent research work on all aspects of wireless communications and signal processing. Following the great success of WCSP'09-17, the 10th edition of the event, WCSP'18, will be held in Hangzhou, China, on October 18-20, 2018. The conference will be sponsored and organized by the Zhejiang University, China, and technically co-sponsored by the IEEE and IEEE Communications Society. It will consist of eight symposia, including the Communication Theory Symposium, Wireless Communications Symposium, Wireless Networking Symposium, Signal and Information Processing Symposium, Network and Information Security Symposium, Machine Learning in Communications and Signal Processing Symposium, Underwater Acoustic Signal Processing and Communications Symposium, and Internet of Things symposium.

Scope: The Communication Theory Symposium seeks original contributions in the following topical areas, plus others that are not explicitly listed but are closely related:

• Adaptive Modulation and Coding	• CDMA and Spread Spectrum
• Channel Estimation and Synchronization	• Coding Theory and Practice
• Compressed Sensing	• Cognitive Radio
• Cooperative Communication	• Cross Layer Design
• Detection and Estimation Theory	• Distributed Coding and Processing
• Diversity and Fading Countermeasures	• Dynamic Spectrum Management
• Feedback in Communication Systems	• Fundamentals of Small Cell-Enhanced Networks
• Fiber-Optical and Free-Space Optical Communications	• Heterogeneous Networks
• Information Theory and Channel Capacity	• Interference Management/Alignment/Avoidance
• Iterative Techniques, Detection and Decoding	• Joint Source/Channel Coding
• Multiple Access Techniques	• MIMO and Massive MIMO
• NOMA	• Energy Harvesting
• Multiuser Diversity	• Network Coding
• Network and Multiuser Information Theory	• OFDM and Multi-Carrier Systems
• Powerline Communications	• Radio Resource Management and Scheduling
• Source Coding and Data Compression	• Space-time Coding and Processing
• mmWave and Sub-Terahertz Communications Theory	• Communication Theory of 5G systems
• Communication Theory for Internet of Things	• Physical Layer Security
• Low Latency and Ultra Reliable Communications	• D2D and M2M Communications
• Ad Hoc and Sensor Networks	• Machine Learning in Communications

Submission and Publication: Please visit the conference website at www.ic-wcsp.org for submission instructions. All accepted and presented papers will be included in the WCSP 2018 Conference Proceedings and submitted for inclusion in IEEE Xplore Digital Library.

Important Dates: Submission deadline (Extended): **July 18, 2018**
Acceptance notification: Aug. 18, 2018
Camera-ready paper: Sept. 1, 2018

Symposium Co-Chairs: **Theodoros Tsiftsis,** Jinan University, China
Shi Jin, Southeast University, China
Kaibin Huang, The University of Hong Kong, Hong Kong
Jinhong Yuan, University of New South Wales, Australia