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WCSP 2019
Signal Processing for Communications Symposium

October 23-25, 2019, Xi'an, China

http://www.ic-wcsp.org

Overview: The Annual International Conference on Wireless Communications and Signal Processing (IC-WCSP) aims to gather international researchers from academia and industry to meet and exchange ideas and recent research works across the broad field of ICT technologies. The event of WCSP 2019 will be held in Xi'an, Shaanxi, China, on October 23-25, 2019. The theme of WCSP 2019 is to embrace the future communications toward intelligence, including but not limited to wireless communications, future networking, signal processing, 5G Beyond, network and information security, optical communications, satellite communications, intelligent informatics and big data and multimedia.

Scope: Signal processing is an integral part of the development of most of the modern communication technologies. Advanced signal processing algorithms are designed and modules are developed to provide innovative solutions to contemporary and emerging communication systems. Considering the diverse and fast-growing nature of research in this field, the Signal Processing for Communications symposium welcomes original contributions in all pertinent aspects of signal processing for communications, including design, analysis, implementation, and application.

The issues covered in the Signal Processing for Communications Symposium are broad, spanning from traditional transceiver design to state-of-the-art signal processing methodologies in contemporary and emerging communication systems, and the application to new frontiers including cognitive radios and smart grids. Our intention is to provide a comprehensive coverage of signal processing methodologies, theories and practices in prevalent and next-generation communication systems and networks. Topics of interest to the Signal Processing for Communications symposium include, but are not limited to:

- Signal processing techniques in 5G/B5G
- Spatial transmission and distributed transmission techniques
- Multi-antenna (SIMO, MISO, MIMO, Massive MIMO), multi-user, centralized/distributed multi-node systems
- Signal processing techniques for full-duplex communications
- Signal processing for Quality of Service based Applications
- Signal processing for Quality of Experience based Applications
- Signal processing for Multimedia services
- Signal processing for Over the Top flows
- Interference cancellation techniques in communications systems including NOMA
- Decentralized and cooperative signal processing in networked systems
- Signal processing for single-carrier, OFDM/OFDMA, multicarrier systems including new waveforms
- Signal processing for green communications, energy harvesting and wireless power transmission
- Signal processing for security enhancement particularly physical layer security
- Channel estimation and equalization
- Signal transmission, detection and synchronization

Submission and Publication: Please visit the conference website at http://www.ic-wcsp.org for submission instructions. All accepted and presented papers will be included in the WCSP 2019 Conference Proceedings and submitted for inclusion in **IEEE Xplore** Digital Library.

Important Dates:		
	Submission deadline:	**July. 25**, 2019
	Acceptance notification:	**Aug. 25**, 2019
	Camera-ready paper:	**Sept. 10**, 2019

Symposium Co-Chairs:	**Yongpeng Wu**	Shanghai Jiao Tong University, China
	Shengli Zhang	Shenzhen University, China
	Junhui Zhao	East China Jiao Tong University, China
	Quan Zhou	Nanjing University of Posts and Telecommunications, China