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The EDAS system is now open for WCSP 2017 Paper Submission.   WCSP 2017 is technically co-sponsored by IEEE and IEEE Communications Society.   The 9

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Please Click 📄 WCSP17 CFP.pdf !

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'09-16, the ninth edition of the event, **WCSP 2017**, will be held in Nanjing, Jiangsu, China, on **October 11-13, 2017**. The conference will feature keynote speeches and technical sessions, and will be co-located with **IEEE 5G Summit**, which will be held on October 14, 2017.

WCSP 2017 will be technically co-sponsored by IEEE, IEEE Communications Society, IEEE Communications Society Nanjing Chapter, IEEE Signal Processing Society Nanjing Chapter, IEEE Vehicular Technology Society Nanjing Chapter. All accepted and presented papers will be included in the WCSP 2017 Conference Proceedings and submitted for inclusion in the IEEE Xplore Digital Library. All papers published in the WCSP 2009-2016 Conference Proceedings have already been included in the IEEE Xplore Digital Library and indexed by EI Compendex.

Paper Submission: Prospective authors are invited to submit high-quality original technical papers for presentation at the conference and publication in the WCSP 2017 proceedings. All papers for technical symposia should be submitted via EDAS.

1. Ad Hoc and Sensor Networking Symposium 📄 WCSP17_CFP_AHSN.pdf

- Mobile and wireless ad hoc networks
- Hybrid wireless ad hoc networks
- Vehicular ad hoc networks
- Wireless sensor and actuator networks
- Wireless multimedia and 3-D sensor networks
- Underwater and underground sensor networks
- Body area networks and e-Health
- Wireless local and personal area networks
- Home networks
- Pervasive and wearable computing
- Self-organization and autonomic networking
- Transport layer protocols
- Medium access control (MAC) protocols
- Routing and multicasting protocols
- Synchronization and scheduling techniques
- Quality of service provisioning and management
- Energy optimization and scavenging
- Resource management
- Mobility management
- Deployment and coverage
- Localization and positioning
- Topology control and management
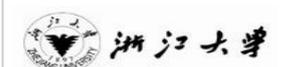- In-network processing and data storage

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- Fault tolerance and traffic reliability
- Cross-layer design and optimization
- Performance modeling and evaluation
- Simulation methodologies and tools
- Experimental prototypes and testbeds

2. Communication Theory Symposium 📄**WCSP17_CFP_CTS.pdf**

- Coding theory
- Coding in multiple access
- Information theory and channel capacity
- Network information theory
- Detection and estimation theory
- Cooperative communications theory
- CDMA and spread spectrum
- Compressed sensing
- Adaptive modulation and coding
- Joint source and channel coding
- Error control coding
- Network coding
- Source coding and data compression
- Space-time coding and processing
- Distributed coding and processing
- Turbo and LDPC codes
- Distributed storage
- Diversity and fading countermeasures
- Theoretical aspects on interference management
- Theoretical aspects of cognitive radio
- Theoretical aspects of cross-layer design

3. Wireless Communications Symposium 📄**WCSP17_CFP_WCS.pdf**

- Wireless propagation and channel characterization
- OFDM and multi-carrier techniques
- Smart antennas techniques
- MIMO and multi-antenna techniques
- Diversity techniques
- Dynamic spectrum access techniques
- Software-defined radio techniques
- Equalization techniques
- Synchronization techniques
- Estimation,and detection techniques
- Wireless multiple access techniques
- Cooperative communications
- Cognitive radio communications
- Wireless green communications
- Ultra-wideband (UWB) communications
- Free-space optical communications
- Millimeter wave and TeraHertz communications
- Dynamic spectrum management
- Resource management
- Interference management
- Fixed wireless broadband access systems
- Energy harvesting communication systems
- Performance evaluation of wireless systems
- Wireless communications standards

4. Wireless Networking Symposium 📄**WCSP17_CFP_WNS.pdf**

- Cellular systems,4G/5G and beyond
- Wireless mesh networks
- WLAN,WPAN,and wireless home networks
- Cognitive radio networks
- Self-organizing networks
- Software-defined wireless networks
- Heterogeneous and Femtocell networks

- Free-space optical networks
- mmWave wireless networks
- Opportunistic wireless networks
- Wireless multimedia networks
- Wireless social networks
- Green wireless networks
- Network architecture and protocols
- Medium access control and routing
- Flow control and congestion control
- Radio resource allocation and management
- Traffic modeling and management
- Mobility, handoff, and location management
- Quality of service provisioning
- Cross-layer design and optimization
- Wireless network virtualization
- Wireless cloud computing
- Mobile edge computing (MEC)
- Performance modeling and analysis
- Network deployment and testbeds
- Emerging wireless services and applications

5. Wireless Network Security Symposium WCSP17_CFP_WNSS.pdf

- Security for 4G/5G cellular systems
- Security for wireless networks
- Security for mobile ad hoc networks
- Security for vehicular ad hoc networks
- Security for wireless sensor networks
- Security for software-defined networks
- Security for network function virtualization
- Security risk management
- Message authentication
- Trust management
- Trust model design
- Authorization and access control
- Key distribution and management
- Cryptography and evaluation
- Privacy enhancing techniques
- Hardware and software security
- Security performance evaluation
- Security for wireless network middleboxes
- Security and privacy for mobile applications
- Security and privacy for wireless big data
- Physical security for wireless networks
- Security protocol design for wireless networks

6. Signal Processing Symposium WCSP17_CFP_SPS.pdf

- Adaptive signal processing
- Blind signal processing
- Speech and audio signal processing
- Image and video signal processing
- Multimedia signal processing
- Multidimensional signal processing
- Array and multi-channel signal processing
- Signal processing systems
- Signal processing applications
- Channel estimation and equalization
- Signal detection and synchronization
- SP for spectrum sensing,shaping,and management
- SP for single-carrier,OFDM,and OFDMA systems
- SP for multi-antenna and multi-user systems
- SP for full-duplex communication
- SP for interference cancellation
- SP for software-defined and cognitive radio
- SP for adaptive antennas and beamforming

- SP for security and cryptography
- SP for localization and tracking techniques
- SP for milimeter communications systems
- SP for Tera-Hz communications systems
- SP for spread spectrum systems
- SP for ultra-wideband systems

WCSP 2017

October 11-13, 2017, Nanjing, China

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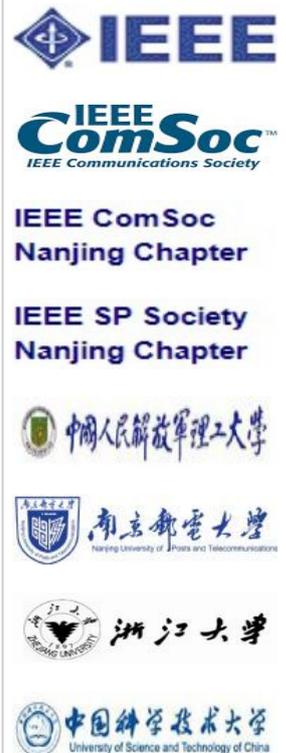
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Submission deadline: June 15, 2017
Acceptance notification: Aug. 15, 2017
Camera-ready paper: Aug. 31, 2017
Conference dates: Oct. 11-13, 2017

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