CALL FOR PAPERS
Machine Learning in Communications and Signal Processing Symposium

The 10th International Conference on Wireless Communications and Signal Processing (WCSP 2018) will provide an international forum that brings together researchers from academia and practitioners from industry to exchange advances in recent research work on all aspects of wireless communications and signal processing.

The Machine Learning in Communications and Signal Processing Symposium focuses on artificial intelligence and machine learning (AI/ML) techniques and their applications in communications and signal processing (COM/SP). Topics of interest include, but are not limited to:

- Fundamental limits of AI/ML in COM/SP
- Novel COM/SP paradigm and architecture inspired by AI/ML
- Big data analytics frameworks and data mining for COM/SP
- Communication theoretic approaches to AI/ML theory and methods
- Distributed and decentralized signal processing via AI/ML algorithms
- AI/ML aided network planning, monitoring, management, diagnosis and virtualization
- AI/ML aided network resource allocation and optimization
- AI/ML aided modulation, equalization, and coding
- AI/ML aided channel estimation and tracking
- AI/ML aided wireless channel modeling
- AI/ML aided secure communications and networking
- AI/ML aided multiuser communication techniques
- AI/ML aided MIMO processing and transceiver design
- AI/ML aided energy efficient communication/networking techniques
- AI/ML aided dynamic spectrum access and cognitive radios
- AI/ML aided wireless localization and positioning techniques
- AI/ML aided sensor networks and IoT applications
- AI/ML aided millimeter and Tera-Hz communication systems

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 2018 Conference Proceedings and selected papers will be recommended to **SCI** journals. Papers published in WCSP 2009-2017 have been included by **IEEE Xplore** Digital Library and indexed by **EI**.

Important Dates: Submission deadline (Extended): 18 July 2018
                    Acceptance notification: 18 August 2018
                    Camera-ready paper: 1 September 2018

Symposium Co-Chairs: Wenyi Zhang, University of Science and Technology of China, China
                      Byonghyo Shim, Seoul National University, Korea
                      Zhongfei (Mark) Zhang, Binghamton University, USA
                      Jemin Lee, DGIST, Korea