

# CALL FOR PAPERS



## Special Session on Emerging Wireless Technologies for Industrial Internet of Things (IIoT)

IECON 2018 - The 44<sup>th</sup> Annual Conference of the IEEE Industrial Electronics Society  
October 21-23, 2018, Washington D.C, USA



### TOPIC OF THE SPECIAL SESSION

*The IIoT paradigm is envisaged to permeate into the industrial manufacturing and production, leading to Industrial Internet of Things (IIoT). There are many emerging wireless technologies, such as LoRa, Sigfox, Weightless, NB-IoT and LTE Cat M1, which can be applied to the current and future IIoT applications. However, there are many challenges and research gaps that still need to be addressed to improve the performance of these emerging wireless technologies. Furthermore, there are many enabling technologies, such as software-defined networking and cloud and fog computing, that can be utilized to overcome many challenges associated with these emerging wireless technologies. Researchers are invited to submit original research contributions in all related areas.*

### Topics of the Session

- IIoT analytics architectures, algorithms and applications
- Simulation, testbeds, prototypes, field trials, and other performance analysis of the emerging wireless technologies for IIoT
- Concepts and business models for IIoT computing and communication
- Software-defined IIoT architecture, controller, security and standardization
- Edge, fog and cloud computing for IIoT;
- Energy efficiency and energy harvesting for IIoT; and
- Lightweight IIoT security protocols for emerging wireless technologies

### ORGANIZED AND CO-CHAIRIED BY

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### Author's schedule:

- Deadline for submission of special session papers  
May 1, 2018
- Notification of acceptance  
July 15, 2018
- Deadline for submission of final manuscripts  
August 1, 2018