

CALL FOR PAPERS



Special Session on Innovative Approaches to Industrial Wireless Systems

IECON 2018 - The 44th Annual Conference of the IEEE Industrial Electronics Society
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TOPIC OF THE SPECIAL SESSION

The introduction of high-performance wireless networks in critical industrial systems has long been discussed, yet it is still not fully achieved due to reliability and security concerns. In the wake of new applications that demand wireless connectivity (e.g., mobile robots), a new approach to this topic is needed, with the introduction of new standards and practical guidelines for wireless systems deployment.

This special session, which follows the Industrial Wireless Systems Workshop in SAS 2017, aims to present innovative contributions from industry and academia that can accelerate the development of fast, reliable and secure wireless solutions able to fully establish in the industrial market.

Topics of the Session

- High-Performance Wireless Networks for Critical Industrial Control
- 5G and Mobile Networks for Industrial Communications
- Industrial Wireless Systems Measurements, Simulation, and Testing
- Best Practices for Selection and Deployment of Wireless Technologies in Industry
- Standardization of Industrial Wireless Systems
- Security for Industrial Wireless Systems
- Wired and Wireless Convergence in Industrial Systems
- Practical guidelines for field deployment

IEEE IES Technical Committees Sponsoring the Special Session:

- IEEE IES Standards TC
- IEEE IES TC on Industrial Informatics

ORGANIZED AND CO-CHAIRED BY

- Dr. Michele Luisotto, ABB Corporate Research, Sweden
email address: michele.luisotto@se.abb.com
- Dr. Zhibo Pang, ABB Corporate Research, Sweden
email address: pang.zhibo@se.abb.com
- Victor Huang, IEEE IES TC Standards
email address: v.huang@ieee.org
- Allen C. Chen, IEEE IES TC Standards
email address: c.j.chen@ieee.org
- Dr. Kim Fung Tsang, City University of Hong Kong
email address: ee330015@cityu.edu.hk

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