

IEEE INTERNATIONAL SYMPOSIUM ON INDUSTRIAL ELECTRONICS ISIE'19

12-14 JUNE 2019, VANCOUVER, CANADA

Special Session on

“Consumer Wireless Technologies and Associated Intelligent Information Processing for Industrial Applications”

Organized by

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Call for Papers

There are a number of new wireless technologies aimed primarily at connecting consumers and creating commercial networks, such as LoRa, Sigfox, LTE-M and NB-IoT, but these technologies can also be applied to existing and new industrial applications and Industrial Internet of Things (IIoT). However, to do so would require systems to ensure network performance, such as reliable connectivity and latency, appropriate intelligent information processing, in addition to device management. The main objective of this special session is to provide a forum to share and discuss new ideas, use cases and research results on all aspects of industrial wireless. You are invited to submit original research contributions in all related areas, which include, but not limited to:

- Innovative applications for consumer wireless in industrial applications
- Software defined networking, network functions virtualization and network slicing for IIoT
- Edge, fog and cloud computing for IIoT
- Energy efficiency and energy harvesting for LoRa, Sigfox, LTE-M and NB-IoT
- Simulation, testbeds, prototypes, field trials, and other performance analyses
- Related intelligent information processing
- Channel characterisation and modelling in industrial environments

IES Technical Committee Sponsoring the Special Session:

Technical Committee on Cloud and Wireless Systems for Industrial Applications

Submissions Procedure: All the instructions for paper submission are included in the conference website <http://www.ieee-isie2019.org/initialsubmissioninfo.html>.