Call for Papers
Track 8- Intelligent Sensors, Sensor Networks, and Information Processing
Track co-chairs

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❖ **FOCUS**. The use of smart sensor technologies and information processing, for monitoring and analysis of industrial systems, factory automation systems and related applications, including architectural principles, design techniques and implementation models for networked embedded sensor systems along with methods for their evaluation and/or performance analysis. Experience reports and case studies making appropriate scientific and technical contributions in this area are also solicited.

❖ **TOPICS**

- ❖ Networked Sensing
  - ❖ Novel components, devices and architectures
  - ❖ Devices and protocols for the (Industrial) Internet of Things
  - ❖ Energy harvesting in sensor networks
  - ❖ Network and system architectures
  - ❖ Security analysis and protocols
  - ❖ Communication protocols for sensor networks deployed in industrial scenarios
- ❖ Information Processing
  - ❖ Sensor data processing, data mining
  - ❖ (Distributed) Signal processing and data analytics
  - ❖ Sensor network modeling, simulation, measurements, and analysis
  - ❖ Network health monitoring, QoS management and dependability
  - ❖ Sensor tasking and actuation, wireless control/automation systems
- ❖ Applications
  - ❖ Industrial sensor network applications, deployment and case studies
  - ❖ Smart systems for production, optimization and green energy
  - ❖ Home & building automation, smart factories, smart grid, healthcare

❖ **AIM.** The aim of the conference is to bring together researchers and practitioners, from the industry and academia, and provide them with a platform to report on recent advances and developments in the newly emerging areas of technology, as well as actual and potential applications to industrial and factory automation.

❖ **CONFERENCE FORMAT**. The conference will comprise multitrack sessions for regular papers, to present significant and novel research results with a prospect for a tangible impact on the research area and potential implementations, as well as work-in-progress (WIP) and industry practice sessions.

❖ **AUTHOR'S SCHEDULE (2020)**

❖Regular and special sessions papers
Submission deadline .... April 1
Acceptance notification .... May 6
Deadline for final manuscripts .... June 17

❖Work-in-progress/ Industry practice papers
Submission deadline .... May 13
Acceptance notification ....June 10
Deadline for final manuscripts .... June 17

Track Programme Committee

- ❖ Alan Oliverira de Sa, *Admiral Wandenkolk Instruction Center, Brazil*
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- ❖ Andrzej Pawlowski, *University of Almeria, Spain*
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