

# CALL FOR PAPERS



## Special Session on Smart Sensors for Industrial Applications Forum

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

Sensors have become integral part of almost all modern industrial systems, and they play a key role in the overall performance of such systems. The power of sensors in terms of achievable functionality, reliability and flexibility in system design improved many-fold in the recent years thanks to the matured semiconductor process technology available and the new possibilities provided by Internet of Things (IoT). However, sensor system designers face greater challenges considering the increased complexity and requirements of improved performance from the sensors, while keeping the power consumption and cost as low as possible. The solutions for these challenges ask for new developments in all aspects of smart sensors and systems. The aim of this Special Session is to provide a forum for researchers and engineers to share and show case their latest developments on the topic of sensors for industrial applications

### Topics of the Session

- New Analog and Digital Design Techniques for Smart Sensor Readout
- Signal Processing for Smart Sensors
- Software and Hardware design for Sensor Systems
- Power Converter and Power Management Techniques in Modern Sensor Systems
- New trends in Energy Harvesting Techniques for Industrial Sensing Applications
- Emerging Sensors and Systems for Industrial Applications

### ORGANIZED AND CO-CHAIRD BY

Stoyan Nihtianov: S.Nihtianov@tudelft.nl  
Tan Zhichao: Zhichao.Tan@analog.com  
Boby George: boby@ee.iitm.ac.in  
Carmen Aracil : caracil@gte.esi.us.es

### 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