

CALL FOR PAPERS



Special Session on Energy Harvesting for the Industrial IoT

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



TOPIC OF THE SPECIAL SESSION

Sensors play an important role in industrial applications, enabling process control and automation. The Industrial Internet of Things (IIoT) will entail the pervasive deployment of sensor systems, enabled by reduced size and cost. They may be added to existing machinery, deeply embedded in devices, or carried by vehicles and personnel. Batteries or wired power supplies are unattractive, creating a demand for self-powered sensor systems that can harvest from ambient power sources. With this special session, we invite researchers and engineers to present and share their latest results and experiences on energy harvesting relevant to industrial contexts.

Topics of the Session

- *Industrial sensor systems using energy harvesting*
- *Case studies of energy harvesting systems in industry*
- *Design methods and tools for energy harvesting systems*
- *Reliability in energy harvesting sensor systems*
- *Energy harvesting considerations in communication/networking protocols*
- *Software considerations for energy harvesting embedded systems*
- *Design and optimization of energy harvesting components and systems*
- *Modeling of energy harvesting components and system*
- *Experimental setups for evaluation of energy harvesters*

ORGANIZED AND CO-CHAIR BY

Sebastian Bader, Mid Sweden University
sebastian.bader@miun.se

Alex Weddell, University of Southampton
asw@ecs.soton.ac.uk

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