

# CALL FOR PAPERS



## Special Session on *<Advanced Prognostics and Health Management of Industrial Systems>*

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

For industrial systems, failures cause catastrophic consequences in terms of loss of systems or human lives. To avoid such events, it is desirable to detect and isolate faults as early as possible. In recent years, prognostics and health management (PHM) has attracted extensive attention as an effective way of addressing these concerns. Meanwhile, industrial applications require advanced techniques, high performance, and robust approaches. There is a keep-growing demand for the integration of PHM in industrial systems. The objective of this special session is to provide an opportunity for researchers to present cutting-edge outcomes and discuss future research in areas of PHM of industrial systems.

#### Topics of the Session

- Fault diagnosis and prognosis
- Data-driven PHM approaches
- Model-based PHM approaches
- Condition-based and predictive maintenance
- Uncertainty management in PHM
- Verification and validation
- System-level application with PHM
- Fault tolerant control
- New designs of systems with PHM functions

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#### Author's schedule:

- Deadline for submission of special session papers  
5/1/2018
- Notification of acceptance  
7/15/2018
- Deadline for submission of final manuscripts  
9/7/2018

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