

# CALL FOR PAPERS

## Special Session on *< Advances in Data-Driven Process Monitoring and Control for Complex 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

This Special Session is to provide a forum for researchers and industrial engineers to exchange their latest achievements on data-driven process monitoring and control techniques, and to discuss the vital issues, challenges and possible future trends in modern large-scale industrial systems. The papers to be accepted in this Special Session are expected to provide latest advances of data-driven design approaches, especially the novel theoretical achievements with practical applications.

#### Topics of the Session

- Data-driven process monitoring approaches and applications.
- Model-free or data-driven control design approaches and applications.
- Data-driven performance evaluation, diagnosis, decisions and their applications.
- Data-driven optimization methods and applications.
- Real-time model-free learning methods and practical applications.

#### IEEE IES Technical Committee Sponsoring the Special Session

- TC: Data-Driven Control and Monitoring

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#### 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

For additional information please visit [www.iecon2018.org](http://www.iecon2018.org)