

2019 IEEE International Conference on Industrial Cyber-Physical Systems (ICPS2019)  
2019 IEEE International Conference on Multisensor Fusion and Integration for  
Intelligent Systems (MFI2019)

Howard Hotel Taipei, Taiwan

May 6-9, 2019

**Special Session on  
“Industrial Applications of Cyber-Physical System”**

**organized by**

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## Call for Papers

This session discusses the industrial applications of cyber-physical system with special focuses on the model development and data analysis. The models of cyber-physical system could be divided into two categories, data-driven model and physics-based model. The development of these models includes, but is not limited to, regression analysis, artificial intelligence, and parameter estimation. The output of the CPS model is often incorporated with data analysis to facilitate the decision making in industrial applications such as condition monitoring, fault detection and isolation (FDI), predictive maintenance and so on. The theoretical basis and the implementation of cyber-physical system for the industrial applications will be introduced.

Topics of interest include, but are not limited to:

- Parameter Estimation of CPS model
- Regression and Machine Learning Method on Manufacturing Processes
- Fault Diagnosis of Electric Motor
- Predictive Maintenance of Rotating Machinery
- Data Analysis of Biomedical Application

**Submissions Procedure:** All the instructions for paper submission are included in the conference website <http://icps19.org/final-paper-submission>

### Deadlines:

Reception of full paper: November 30, 2018  
Paper acceptance notification: January 31, 2019