

## 2017 IEEE/SICE International Symposium on System Integration (SII2017)

### Special Session on

### “Informatics Analysis and Applications of Cyber-Physical System on Smart Manufacturing”

organized by

Principal Organizer: Prof. Chao-Lung Yang ([clyang@mail.ntust.edu.tw](mailto:clyang@mail.ntust.edu.tw))

National Taiwan University of Science and Technology

Organizer: Prof. Chun-Hui Chung ([chunhui.chung@mail.ntust.edu.tw](mailto:chunhui.chung@mail.ntust.edu.tw))

National Taiwan University of Science and Technology

### Call for Papers

The Cyber-Physical System (CPS) is a mechanism controlled or monitored by computer-based algorithms, tightly integrated the sensor-based communication with automated hardware systems to provide the capability of the smart system. CPS is the kernel of smart manufacturing to support the digital twin of the real machine for detecting the abnormality and simulating the health condition of machines based on the data analytics of the omni-manufacturing informatics. This special session focuses on research regarding the informatics process, data handling, data analytics, data modelling and data presentation for developing CPS on smart manufacturing.

#### Topics of interest include, but are not limited to:

- Manufacturing data communication
- Signal process techniques of manufacturing data
- Information technology system for smart manufacturing
- Data processing and data presentation of manufacturing data
- Data analytics on manufacturing data

**Submissions Procedure:** All the instructions for paper submission are included in the conference website <http://www.sii2017.org>. A good quality paper may be considered for publication in IEEE Transactions on Industrial Informatics subjects to further rounds of review

#### Deadlines:

Reception of full paper:	June 30, 20157
Paper acceptance notification:	September 20, 2017
Camera ready paper reception:	October 20, 2017