Industry 3.5
International Symposium

International Symposium on Industry3.5 for Intelligent Manufacturing

September 25 - 27, 2019, National Tsing Hua University, Hsinchu, Taiwan

https://www.aims.org.tw/industry3.5/

Aims and Topics:
Global manufacturing networks are facing disruptive challenges due to newly technologies such as Artificial Intelligence, Big Data, Internet of Things, and 5G. Leading nations including Germany and USA have reemphasized the importance of advanced manufacturing and initiated national manufacturing strategies such as Industry 4.0 and AMP. The manufacturing sectors in Asia-pacific regions and emerging countries are playing important roles for economic growth and job opportunities, yet their industrial structures may not be ready for the migration for Industry 4.0 directly.

“Industry 3.5” that is proposed as a hybrid strategy between the existing Industry 3.0 and to-be Industry 4.0. This international symposium calls for disruptive innovations from theoretical research, methodological developments, case studies, and industrial practice to address the needs for humanizing industrial revolutions and sustainable migration including, yet not limited, the following topics:

- Internet of things (IOT)
- Circular Economics
- Green Supply Chain & Sustainability
- Deep Learning Applications
- Augmented Reality & Virtual Reality
- Virtual Metrology
- Evolutionary Algorithm
- Big Data Analytics & Data Mining
- Smart Production
- Total Resource Management
- AI & Computational Intelligence
- Advanced Process/equipment Control
- Defect Detection and Classification
- Simulation Optimization
- Cyber Physical System
- Smart Agriculture
- IE Education/ Curriculum Design
- User Experience & Innovative Design
- Enterprise Resource Planning
- Image Analysis, Visual Inspection
- AMHS/ Automatic Guided Vehicle

Keynote speech, Exhibit, and Factory Visiting:
Industry3.5 Symposium will provide a platform to facilitate related activities such as keynote speeches, factory visiting and exhibition to enrich the conference. Details can be found in https://www.aims.org.tw/industry3.5/

Organized/sponsored by:
- Industrial Engineering and Management Program (IEM), Ministry of Science & Technology, Taiwan
- Artificial Intelligence for Intelligent Manufacturing Systems Research Center (AIMS), MOST, Taiwan
- NTHU-TSMC Center for Manufacturing Excellence, Taiwan
- Department of Industrial Engineering and Engineering Management, National Tsing Hua University, Taiwan

Important Dates:
- Deadline for Full Paper/Presentation-only Abstract Submission: July 31, 2019
- Notice of Acceptance: August 10, 2019
- Deadline for Camera Ready Manuscript: September 1, 2019

Registration Fee:
- Regular registration: USS300 (Early bird, before August 15, 2019) / USS500 (Regular)
- Students: USS100 (Early bird, before August 15, 2019) / USS150 (Regular)

Paper submission:
Full paper must be written in English with a maximum length of 5 pages. For paper format, submission, and related information, please visit: https://www.aims.org.tw/industry3.5/ and submission to conference.industry3.5@gmail.com. Selected papers in Industry3.5 will be recommended for reviews and possible publications in related special issue of SCI journals (https://www.aims.org.tw/industry3.5/CFP).

Venue:
National Tsing Hua University (https://www.nthu.edu.tw/), where special offers of NTHU guest house (https://affairsguesths.vm.nthu.edu.tw/en/index.php) and hotels nearby are available.

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