Industry3.5 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)	Big Data Analytics & Data Mining	Cyber Physical System
Circular Economics	Smart Production	Smart Agriculture
Green Supply Chain & Sustainability	Total Resource Management	IE Education/ Curriculum Design
Deep Learning Applications	AI & Computational Intelligence	User Experience & Innovative Design
Augmented Reality & Virtual Reality	Advanced Process/equipment Control	Enterprise Resource Planning
Virtual Metrology	Defect Detection and Classification	Image Analysis, Visual Inspection
Evolutionary Algorithm	Simulation Optimization	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 founded 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: **US$300** (Early bird, before August 15, 2019) / **US$500** (Regular)
Students: **US$100** (Early bird, before August 15, 2019) / **US$150** (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://affairs-guesths.vm.nthu.edu.tw/en/index.php) and hotels nearby are available.

AiMS 人工智慧製造系統研究中心
Artificial Intelligence for Intelligent Manufacturing Systems Research Center

學門工業管理程 MOST

A+ 清華-台積電 卓越製造中心
NTHU-TSMC Center for Manufacturing Excellence