



ISMI

International Symposium on
Semiconductor Manufacturing Intelligence



2014 International Symposium on Semiconductor Manufacturing Intelligence

August 16 - 18, 2014, Taipei, Taiwan

General Chair:

Tsinghua Chair Professor Chen-Fu Chien, National Tsing Hua University, Taiwan (cfchien@mx.nthu.edu.tw)

Honorary Co-Chairs:

Professor Shi-Chung Chang, National Taiwan University (scchang@cc.ee.ntu.edu.tw)

Professor James Morrison, KAIST, Korea (james.morrison@kaist.edu)

Organized by:

Semiconductor Technologies Empowerment Partners Consortium, Taiwan (STEP Consortium)

NTHU-TSMC Center for Manufacturing Excellence; Society for Excelling Enterprises and Decisions (SEED), Taiwan

Aims and Interested Topics:

The 2014 International Symposium on Semiconductor Manufacturing Intelligence (ISMI2014) aims to provide a platform to foster the exchange of research developments and latest practice on automation science & engineering, evolutionary algorithms, data mining, manufacturing informatics, modeling and decision analysis, and operation management for semiconductor and high-tech manufacturing to enhance collaborations among academia and industries, including the following topics:

Manufacturing Intelligence	Big Data Analytics & Data Mining	Manufacturing Strategy
Manufacturing Informatics	Automation	Semiconductor Ecosystem
Equipment Real-time Decision	Advanced Process Control	450mm Wafer Migration
Modeling & Decision Analysis	Evolutionary Algorithms	Green Supply Chain
Corporate Resource Planning & ERP	AMHS Routing & Scheduling	Manufacturing Innovation
e-Manufacturing	Simulation Optimization	Other related topics

Paper submission:

Extended abstract including main ideas and contributions and/or full manuscript not exceeding 6 pages in IEEE format should be submitted through EasyChair conference system (<https://www.easychair.org/conferences/?conf=ISMI2014>) before **June 30, 2014**, while camera ready manuscript should be submitted before **July 31, 2014**. Details can be found in <http://step.unison.org.tw/ISMI2014/> or consult Program Committee Chair, Professor Jei-Zheng Wu (jzwu@scu.edu.tw).

Special Issues for Post-Conference Publication:

Selected papers will be recommended for reviews and possible publications in *Computers & Industrial Engineering* special issue on "Manufacturing Intelligence and Automation in Semiconductor Industry," *International Journal of Industrial Engineering* special issue on "The Roles of Industrial Engineers in the Semiconductor Industry," *Flexible Services and Manufacturing Journal* special issue on "Big Data Analytics for Digital Decisions in Services and Manufacturing," and other SCI journals.

Important Dates:

Extended Abstract/ Full Paper Submission:	June 30, 2014
Notice of Acceptance:	July 20, 2014
Camera Ready Manuscript Submission:	July 31, 2014

Registration Fee:

Regular registration:	US\$300 (Early bird, before July 31, 2014) / US\$450 (Regular)
Students:	US\$120 (Early bird, before July 31, 2014) / US\$150 (Regular)

Venue:

Palais de Chine (君品酒店) (Taipei Railway-High Speed Train Station) (<http://www.palaisdechinehotel.com/en-us/>).
For more details regarding ISMI2014, please contact Secretary General, Dr. Ying-Jen Chen (yjchen@ie.nthu.edu.tw).

