

INTERNATIONAL SCIENTIFIC COMMITTEE

Brian Holliday – Siemens Digital Factory, UK
Panos Kotsas – University of Sheffield, UK
Lynne McGregor – Innovate UK
Chris McMahon – University of Bristol, UK
Paulo Bartolor – University of Manchester, UK
Lin Li – University of Manchester, UK
Trevor Dean – University of Birmingham, UK
Kai Cheng – Brunel University London, UK
Stephen D. Prior – The University of Southampton, UK
Bopaya Bidanda – University of Pittsburgh, USA
Jun Ni – University of Michigan, USA
Andrews Dugenske – Georgia Tech, USA
Sumeet Kumar – MIT, USA
Eberhard Manske, Technische Universität Ilmenau, Germany
Andreas Klinger – BASF, Germany
Wolfgang Wahlster – Saarland University, Germany
Guido Stephan – Siemens, Germany
Wei Gao – Tohoku University, Japan
Jianhua Ma – Hosei University, Japan
Pedro Caldeira – INESC, Portugal
Alain Bernard – École Centrale Nantes, France
Wolfgang Kastner – TU Vienna, Austria
Abdelaziz Bouras – Qatar University, Qatar
Latif Ladi – University of Luxembourg, Luxembourg
Vicenzo Piuri – University of Milan, Italy
Ye-Kuang Chen – Intel-NTU Connected Context Computing Center,
Taiwan

LOCAL ORGANISING COMMITTEE

Wen-Yuh Jywe (General Chair) – National Formosa University, Taiwan
Yunn-Shiuan Liao – National Taiwan University, Taiwan
Cheng-Kuo Sung – National Tsing Hua University, Taiwan
Jenq-Shyong Chen – National Chung Hsing University, Taiwan
Meng-Shiun Tsai – National Chung Cheng University, Taiwan
Kuang-Chao Fan – National Taiwan University, Taiwan
Yung-Hsiang Lai – Precision Machinery Research Center, Taiwan
Jwu-Sheng Hu – Industrial Technology Research Institute, Taiwan
Tso-Liang Lo – Industrial Technology Research Institute, Taiwan
Shih-Chieh Lin – National Tsing Hua University, Taiwan
Der-Min Tsai – National Sun Yat-Sen University, Taiwan
Bean-Yin Lee – National Formosa University, Taiwan
Jui-Cheng Lin – National Formosa University, Taiwan
Chih-Hsiung Hu – National Formosa University, Taiwan
Shen-Yung Lin – National Formosa University, Taiwan
Bor-Jeng Lin – National Formosa University, Taiwan
Ming-Piao Tsai – National Formosa University, Taiwan
Dar-Li Yang – National Formosa University, Taiwan
Jing-Chung Shen – National Formosa University, Taiwan
Min-Hui Yang – National Formosa University, Taiwan
Chun-Jen Chen – National Formosa University, Taiwan
Yung-Cheng Wang – National Yunlin University of Science and
Technology, Taiwan

CONFERENCE ENQUIRIES

All conference enquiries should be
addressed to:

**Precision Machine Center
National Formosa University
No. 64, Wenhua Road
Huwei, Yunlin, Taiwan**

**Tel: +886 (0) 5631 5400
Fax: +886 (0) 5631 5401
Email: smim@nfu.edu.tw**

SCHEDULE

Submission of Abstract Deadline	June 30, 2017 Extended to October 15, 2017
Notification of Acceptance	July 31, 2017 Extended to October 31, 2017
Submission of Camera-Ready Full Papers (Optional)	October 31, 2017
Conference Date	November 24-26, 2017

Excellent full papers will also be recommended to SCI/EI
journals for publication of the following journals after extending
and an extra review.

International Journal of Advanced Manufacturing Technology
Journal of Technology

**There is no need to write and send the full paper if the authors
do not wish to.*

ANNOUNCEMENT AND CALL FOR PAPERS

1st International Conference on Smart Machine and Intelligent Manufacturing

24 – 26 November 2017

To be held at

**National Formosa University, Huwei,
Yunlin, Taiwan**

Email: smim@nfu.edu.tw

Website: <http://autoweb.nfu.edu.tw/smim2017>

SMIM2017



Smart Machine & Intelligent Manufacturing



INVITATION TO THE 1st INTERNATIONAL CONFERENCE ON SMART MACHINE AND INTELLIGENT MANUFACTURING, TAIWAN

I was delighted to introduce you the 1st International Conference on Smart Machine and Intelligent Manufacturing (SMIM2017) which is a leading international forum to disseminate the most recent and relevant research, theories and practices on Industry 4.0. Following the global trend of Industry 4.0, the SMIM2017 conference will be hosted by the National Formosa University (NFU) on November 24-26, 2017 in Yunlin, Taiwan.

The SMIM2017 will provide a platform for the presentations and discussions from original contributions to the principles, processes, techniques and applications in the fields of Intelligent Machine/Robot (IM/IR), Internet of Things (IoT), Big Data, etc. All the contents are based on Cyber-Physical System (CPS) which is core concept of Industry 4.0. The SMIM2017 is developing a network of contacts with many researchers and practitioners around the world from industry and academia specialising in the machine tool, manufacturing and other related engineering disciplines.

National Formosa University (NFU) located in the middle of Taiwan is famous for its cutting edge Mechanical Engineering (Automation, Design, Power, Material, Computer-Aided, Aerospace, Vehicle, etc.) Particularly the middle region of Taiwan is also the main "Mechanical Valley" around the world, which includes more than 1000 related companies.

It gives us great pleasure to invite you to the 1st International Conference on Smart Machine and Intelligent Manufacturing (SMIM2017). We look forward to seeing you in Taiwan in November 2017.

Professor Wen-Yuh Jywe
Conference Chairmen



CONFERENCE TOPICS

Topics of interest include, but not limited to the following:

- A. Manufacturing processes**
 - Additive Manufacturing
 - Electrical Machining
 - High-speed machining
 - Hybrid manufacturing
 - Laser processing
 - Precision manufacturing
 - Sustainable manufacturing processes
- B. Manufacturing systems**
 - Big data and remote diagnostics
 - Cloud
 - Collaborative decision-making
 - Internet of things
 - Quality management and control
 - Supply chain
 - Systems and Operational Research
- C. Product design**
 - Design for additive manufacturing
- D. CAD and 3D data acquisition technologies**
 - Design for sustainability
 - Design for key factor
 - Machine Design
 - Sensor Design
 - 3D digitising
 - CAD/CAM/CAE
 - Fast geometrical modelling schemes
 - Image-based modelling systems
 - Modelling and simulation of manufacturing processes
- E. Applications**
 - Aerospace industry
 - Automotive industry
 - Metrology
 - Model-making and tool-making
 - Robotics/Cobotics
- E. Other engineering and technology related topics**
 - Design for sustainability
 - Design for key factor
 - Machine Design
 - Sensor Design
 - 3D digitising
 - CAD/CAM/CAE
 - Fast geometrical modelling schemes
 - Image-based modelling systems
 - Modelling and simulation of manufacturing processes

REGISTRATION FEES

Full registration fee	16,500 NTD/ 550 USD
Early Bird Registration deadline	September 15, 2017
Late registration fee	18,000 NTD/ 600 USD

Registration includes:

- Conference proceedings.
- Conference dinner and lunches.
- One day tour to Sun-Moon Lake.



Sun-Moon Lake

INSTRUCTIONS TO CONTRIBUTORS

1. Please finish the abstract according to the "Abstract template" and complete the "Paper submission form", then send both files to smim@nfu.edu.tw. (Both of the files should be downloaded at conference website.)
2. Authors who have been accepted abstracts will be invited to produce the camera-ready text of the full paper by **October 31, 2017**. Excellent full papers will also be recommended to SCI/EI journals for publication after an extra examination by journals. **There is no need to write and send the full paper if the authors do not wish to.*
3. The manuscript should be innovative and has not been previously published in a Journal or presented at a Conference.
4. It is a condition of acceptance of a paper that at least one author registers for the Conference and presents the paper.
5. English is the working language in SMIM2017. It will be used for all printed material, presentations and discussions.
6. All presentations including Q&A will be recommended in English.

ACCOMMODATION

Delegate accommodation will be available in a range of hotels in Yunlin, Taiwan, close to NFU. Free Shuttle buses will be provided from the airport to hotels and hotels to the conference venue. Huwei city is located in central Taiwan, near some famous sightseeing spots, such as Sun-Moon Lake and Ali Mountain.



Operational in 2015