



Foreword



The 1st International Conference on Precision Machinery and Manufacturing Technology 2015 (ICPMMT) has been held at Howard Beach Resort, Kenting, Taiwan on May 22-24, 2015. The papers submitted to ICPMMT 2015 were recommended to KEM (EI Compendex) through the peer reviewing process.

The 2nd ICPMMT was held at Howard Beach Resort, Kenting, Taiwan on May 19-21, 2017. After conference, all papers submitted to ICPMMT 2017 have been recommended to MATEC Web of Conferences, Open-access Journal in Materials science, Engineering and Chemistry (Google Scholar, CAS, EI Compendex, Inspec, DOAJ, Web of Science, Scopus). All papers through the peer reviewing process could be published in MATEC Web of Conferences.

The 3rd ICPMMT 2018 will be taken place in Auckland, New Zealand on 4-8 February, 2018. After conference, all full papers submitted to ICPMMT 2018 through the peer reviewing process will be also recommended to publish in the publications with EI Compendex within 3 months. Please refer to the website www.icpmmt.org. The purpose of ICPMMT 2018 is to provide opportunities for institutions and industries to share ideas and present the works of scientists, engineers, educators and students from all over the world. The organizing committee of the conference is delighted to invite prospective authors to submit their original manuscripts to ICPMMT 2018. Welcome all of you to join ICPMMT 2018

The topics are as follows:

1. Design & Manufacturing

**Machinery / Aerospace / Fasteners/ Electronics / Plant / Robot /EV /Hybrid Car
CAD / CAE / CAM / PLM / SCM / Optimization / Reverse Engineering**

2. Processing Technology

**Machining / Forming / Grinding / Casting / Forging / Molding /Welding/Joining
Micro-Nano/ Laser / Energy-beam / Printed Electronics
3D Printing / RP&M / R2R / Electro-Chemical / Non-traditional
Re-manufacturing / Recycle / MQL
Smart Manufacturing**

3. Green Manufacturing and Materials Application

**Light-Eco-friendly Material & Structure
Natural / Bio-inspired / Light-weight / Flexible / Powder / Multifunctional
Metals / Ceramics / Polymers / Composites / FGM / Graphene
Smart Material & Structure / Photonic / Display**



4. Automation and Intelligent Robot
5. Information Integration and Communication Technology
6. Industry 4.0 Technology
7. Energy or Nano/Micro Technology
8. Related topics to Precision Machinery and Manufacturing Technology
9. Other topics

In ICPMMT 2018, Professor Guy Littlefair from Auckland University of Technology, New Zealand (the topic: *Current Trends in Machinability Research*), Dr. John V Kennedy from National Isotope Centre, Institute of Geological & Nuclear Science (GNS Science), New Zealand (the topic: *Design of Intelligent Surfaces for Energy Intensive Processing Industry*), and Professor Jen-Yuan (James) Chang from Department of Power Mechanical Engineering, National Tsing Hua University, Taiwan (the topic: *Magnetic Recording Technologies for Position Sensing and Control in Precision Machine*) are invited as keynote speakers. They are very excellent and famous in their research fields, and once again to thank them for strong supports to ICPMMT 2018.

Especially invite Prof. De-Shin Liu from National Chung Cheng University (*Division Head of the Solid Mechanics, Ministry of Science and Technology, Taiwan*) as an honorary guest to encourage ICPMMT 2018 being successful and excellent. I hope all of you can enjoy this lovely place, Auckland, New Zealand, and to absorb excellent knowledge and technologies from these wonderful speeches and presentations in ICPMMT 2018.

Finally, I hope we can see all of you at the next conference (ICPMMT 2019); ICPMMT 2019 will be held in, Fuzhou City, Fujian Province, China. Thanks for your excellent contributions to ICPMMT 2018.

Conference Chair of ICPMMT 2018

Gow-Yi Tzou

Chair Professor, Fuzhou Polytechnic, China

Dean of College of Engineering, Professor of Chung-Chou University of Science and Technology

President of Taiwan Fasteners Industry Technology Development Association

