

**2018 5th International Conference on Machine Design and Manufacturing
Engineering (ICMDME2018)**

www.icmdme.org

1. Introduction

5th ICMDME2018 will be held on **January 22-23, 2018** at Jakarta, Republic of Indonesia.

Topics on Machine Design; Engineering and Automation; Manufacturing Engineering; Mechanics AND other topics

2. Publication

Accepted papers will be collected in the conference proceedings, and to be collected in IOP Conference Series: Materials Science and Engineering (ISSN: 1757-899X)

Papers will be published on IOP and **indexed by** EI Compindex, Scopus, Special Issue of SCI, Thomson Reuters (WoS), Inspec, et al.

3. Submission

Online submission : <https://cmt3.research.microsoft.com/ICMDME2018>

Email : cfp@icmdme.org

You can submit full paper/abstract/ poster

Student and group could enjoy the favorable registration fee.

4. Contact Us

Enquiries: cfp@icmdme.org

Web address: <http://www.icmdme.org/index.html>

IcMDME



IOP Conference Series
Proceedings services for science

5. Keynote Speakers (welcome your participation)



Prof (em) Dr. Ing Darwin Sebayang

Universitas Mercu Buana, Jakarta, Indonesia

Speech Title: An effort and Challenge in establishing a new research group in a dynamic university



Professor Katsuyuki Kida.

University of Toyama, Solid Mechanics Laboratory, Japan

Speech Title: Structural Health Monitoring for Metal fatigue



Assistant Professor Koshiro Mizobe.

Department of Mechanical and Intellectual Systems Engineering, Japan

Speech Title: Effect of repeated heating and quenching on microstructure and fatigue strength in high carbon high



Assoc. Prof. Dr. AIDAH JUMAHAT

Universiti Teknologi MARA, Malaysia

Speech Title: Fabrication and Characterisation of Advanced Fibre Reinforced Polymer Nanocomposites



Dr. Sagir Alva

Universitas Mercu Buana, Jakarta, Indonesia

Speech Title: Solid-state Reference Electrode Fabrication Based on Acrylate Films

6. Topics

T1: Machine Design

Actuator Systems
Coatings and Surface Modification
Contact Mechanics
Cutting/ Forming/ Grinding/ Polishing
Design for Manufacturability (DFM)
Friction and Wear Mechanism
Hydro-dynamic/ Static Lubrication/Lubricants/Lubrication Failure
Injection Molding/ Mold and Die Integrated Product and Process Design (IPPD)
Machine Design/ Machine Elements

T2: Engineering and Automation

Computer-Aided Design and Manufacturing
Computer-Integrated Manufacturing Systems
Flexible and Distributed Manufacturing Systems
Intelligent Systems in Machine Design and Production
Emerging Technologies in Design and Manufacturing
Hybrid Macro/Meso/Micro Manufacturing Processes
Collaborative and Digital Manufacturing for Advancing Product Quality
Advances in Quality Control in Multistage Manufacturing Systems
Bottom-up" Nano manufacturing
Biomedical Manufacturing
Nano manufacturing Processes and Systems
Development and Applications of Micro Manufacturing Equipment
Design and Operations of Manufacturing Systems for Responsiveness
Advances in Metal Forming
Fracture Reliability of Fabricated Materials

T3: Manufacturing Engineering

Manufacturing Systems
MEMS
Micro/Nano Processing/ Micro/Nano Tribology
Non-conventional Processing
Advanced Design, Production Processes and Devices
Design of Machines and its Applications
Engineering Design Methodology and Design Models
Design, Modeling, Analysis and Failure of Machine Elements and Mechanical Systems
Mechanical Design and Production of MEMS

T4: Mechanics AND other topics

Thank you for your attention! Looking forward to meet you at Jakarta.