

CALL FOR PAPERS

International Symposium on Precision Engineering (ISPE 2025)

Nov. 7-9, 2025 at Sun Moon Lake Youth Activity Center, Nantou County, Taiwan



Plenary Speakers



Chair Professor and Department Chair, Ying-Hao Chu
Department of Materials Science & Engineering,
College of Semiconductor Research (joint),
National Tsing Hua University, Taiwan

Title of Keynote Speech

A New Platform for Flexible Electronics: Exploiting
Muscovite Mica Heterostructures and Intercalation



GlobalFoundries Chair Prof. Cheng-kuo Lee
Center for Intelligent Sensors and MEMS
Department of Electrical and Computer Engineering
National University of Singapore, Singapore

Title of Plenary Speech

Wearable AI Sensors and CMOS Photonics for Future
Edge AI Applications

Keynote Speakers



Prof. Hieng-Kiat Jun
Department of Mechanical and Material Engineering
University Tunku Abdul Rahman, Malaysia

Title of Keynote Speech

Some Insights on PEMA-based Solid Polymer
Electrolytes for EDLC Application



Prof. Chang-Fu Dee
Institute of Microengineering and Nanoelectronics (IMEN)
National University of Malaysia, Malaysia

Title of Keynote Speech

Low-Dimensional Materials: Synthesis, Characterization,
Applications, and Computational Studies

Main Topics

Precision manufacturing machines and technologies

- Precision Manufacturing
- Precision Measurement
- Mechanical Engineering
- Precision Inspection
- Precision Control
- Tribological Systems
- Non-conventional Machining

Micro-manufacturing and assembly technologies

- Micro Manufacturing
- Assembly Technologies
- MEMS/NEMS
- Electronics
- Electrical Engineering
- Controls and Mechatronics
- Design Engineering

Green manufacturing and smart technologies

- Green Manufacturing
- Smart Green Technology
- Material Engineering
- Catalyst material synthesis
- Renewable Energy Resources
- Durable and Thin Membranes
- Chemical and Material Engineering
- Characterization and Modeling of Fuel Cell

Applied science, engineering and technologies

- Optics
- Nano Science
- Intelligent Sensors
- Computer Engineering
- Applied Science, Engineering and Technology
- Advanced Modeling and Forming
- Any other topic related to Precision Engineering

Program

All academic events will be held at Sun Moon Lake Youth Activity Center, Yuchi Township, Nantou County, Taiwan

Time	Activity	
7 November, 2025 - Only Registration		
15:00~17:00	Registration & Welcome Reception	
8 November, 2025 - Symposium Day		
08:00~08:30	Registration	
08:30~10:00	Invited Talk & Oral Session (1)	
10:00~10:20	Group Photo & Coffee Break	
10:20~10:30	Opening Ceremony	
10:30~11:15	Plenary Speech (1) Cheng-Kuo Lee	Moderator: Dung-An Wang
11:15~12:00	Keynote Speech (1) Hieng-Kiat Jun	
12:00~13:00	Lunch Time	
13:00~13:45	Plenary Speech (2) Ying-Hao Chu	Moderator: Wei-Sea Chang
13:45~14:30	Keynote Speech (2) Chang-Fu Dee	
14:30~14:50	Coffee Break	
14:30~15:30	Poster Session	
14:50~16:05	Invited Talk & Oral Session (2)	
16:05~17:20	Invited Talk & Oral Session (3)	
17:20~18:20	Invited Talk & Oral Session (4)	
18:20~18:25	Closing & Poster Awards	
18:30	Banquet	
9 November, 2025 - Academic Visit		
09:00~13:30	Explore Sun Moon Lake – Optional Self-Paid Excursion	

Poster
Exhibition

Organizers



國立中興大學
NATIONAL CHUNG HSING UNIVERSITY



NUS
National University
of Singapore

Co-organizers



精密工程
研究所
Graduate Institute
of Precision Engineering



MiCATronics
柔性雲母電子產學聯盟



先端產業暨
精密製程研究中心
Advanced Industry Technology and
Precision Processing Center



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