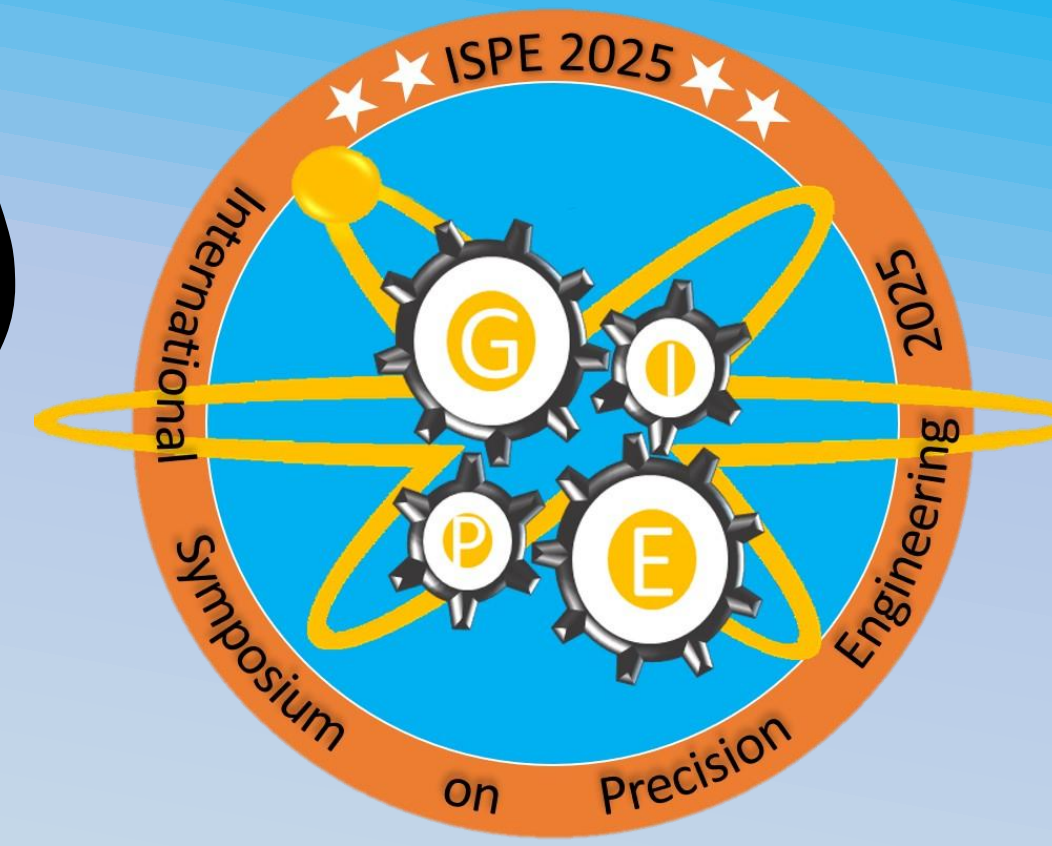# CALL FOR PAPERS

International Symposium on Precision Engineering (ISPE 2025)

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

國立中興大學

Plenary Speakers

Chair Prof. Ying-Hao Chu
Associate Vice President for Research and Development
Director of NTHU CNMM
Department of Materials Science and Engineering, National Tsing Hua University, Taiwan
Title of Keynote Speech
Epitaxial Growth of Bi_2O_2X Films and Related Heterostructures

GlobalFoundries Chair Prof. Chengkuo Lee
Center for Intelligent Sensors and MEMS
Department of Electrical and Computer Engineering
National University of Singapore, Singapore
Title of Plenary Speech
CMOS Photonics – Extending Si Photonics to In-Sensor Computing and Nanophotonic Sensing Platforms

Keynote Speakers

Prof. Chao-Cheng Kaun
Research Center for Applied Sciences, Academia Sinica, Taiwan
Title of Keynote Speech
Driving noncollinear interlayer exchange coupling intrinsically in magnetic trilayers

Prof. Uma N. Dulhare
Computer Science & Artificial Intelligence Department
Muffakham Jah College of Engineering & Technology, India
Title of Keynote Speech
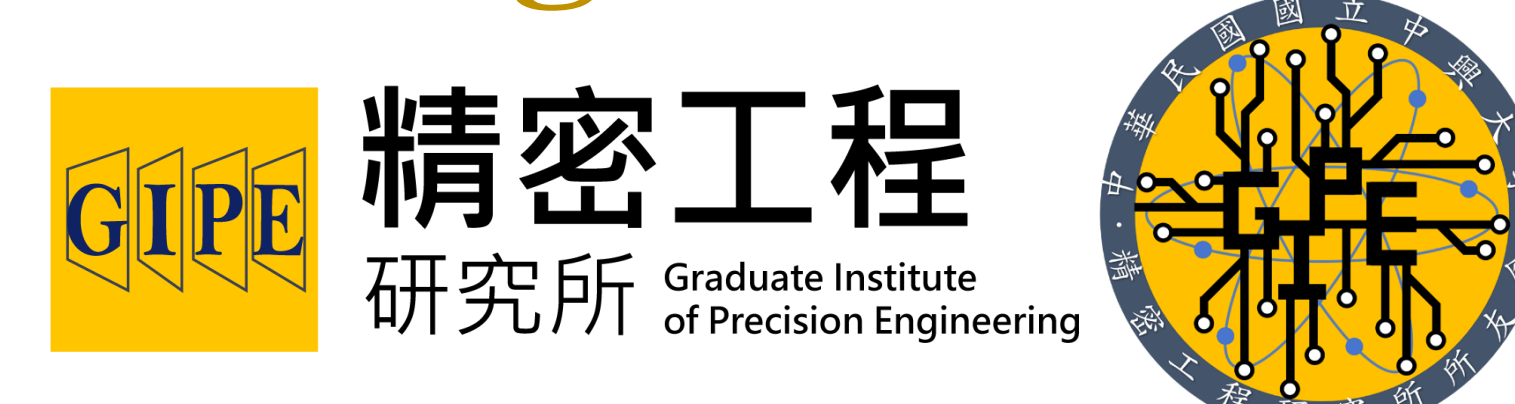Harnessing Deep Learning for Precision Diagnostics in Dermatology and Rheumatology

Program

Time	Activity	
All academic events will be held at Sun Moon Lake Youth Activity Center, 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)	
10:00~10:15	Group Photo & Coffee Break	
10:15~10:30	Opening Ceremony	Poster Exhibition
10:30~11:15	Plenary Speech (1) Ying-Hao Chu	Moderator: Chi-Pin Hsu
11:15~12:00	Keynote Speech (1) Chao-Cheng Kaun	
12:00~13:00	Lunch Time	
13:00~13:45	Plenary Speech (2) Chengkuo Lee	Moderator: Jen-Chuan Tung
13:45~14:30	Keynote Speech (2) Uma N. Dulhare	
14:30~15:45	Invited Talk & Oral Session (2)	
15:00~16:00	Poster Session	
15:45~16:00	Coffee Break	
16:00~17:00	Oral Session (3)	
17:00~18:00	Oral Session (4)	
18:30	Symposium Banquet	
9 November, 2025 - Academic Visit		
09:00~13:30	Academic Visit – Sun Moon Lake	

Main Topics

- Precision Control
- Intelligent Sensors
- Design Engineering
- Precision Inspection
- Computer Engineering
- Assembly Technologies
- Material Engineering
- Micro Manufacturing
- Green Manufacturing
- Electrical Engineering
- Precision Measurement
- Smart Green Technology
- Mechanical Engineering
- Precision Manufacturing
- Optics
- Electronics
- Nano Science
- MEMS/NEMS
- Tribological Systems
- Controls and Mechatronic
- Catalyst material synthesis
- Non-conventional Machining
- Renewable Energy Resources
- Durable and Thin Membranes
- Advanced Modeling and Forming
- Chemical and Material Engineering
- Characterization and Modeling of Fuel Cell
- Applied Science, Engineering and Technology
- Any other topic related to Precision Engineering

Organizers

國立中興大學 NATIONAL CHUNG HSING UNIVERSITY

NUS National University of Singapore

SCIEI Science and Engineering Institute

明志科技大學 MING CHI UNIVERSITY OF TECHNOLOGY

Co-organizers

GIPE 精密工程研究所 Graduate Institute of Precision Engineering

明志科技大學 機械工程系 MING CHI UNIVERSITY OF TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING

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ISPE 2025