

CALL FOR PAPERS



International Symposium on Precision Engineering and Technology (ISPET 2026)

Oct. 2-4, 2026 at Talmud Hotel Kaohsiung LoveRiver, Kaohsiung City, Taiwan



Plenary Speakers



Chair Professor and Department Chair, Ying-Hao Chu

Department of Materials Science & Engineering,
National Tsing Hua University, Taiwan
Title of Plenary Speech
Bismuth-Based 2D Semiconductors: A New Era for
Silicon-Integrated Electronics and
Functional Native Interfaces



GlobalFoundries Chair Prof. Cheng-Kuo Lee

Center for Intelligent Sensors and MEMS,
National University of Singapore, Singapore
Department of Electrical and Computer Engineering,
National University of Singapore, Singapore
National Center for Advanced Integrated Photonics,
Singapore
Title of Plenary Speech
CMOS Photonics Circuits Enabled Photonic
Neural Networks and Edge AI Sensing

Keynote Speakers



Prof. Yu-Lin Shen

Department of Mechanical Engineering
University of New Mexico, USA
Title of Keynote Speech
On the Applicability of Wafer Curvature Measurement
to Determine Stress in Porous Thin Films



Prof. Silvano Donati

University of Pavia and HiSiPIC, IEEE Life Fellow, OSA
Emeritus Fellow
Title of Keynote Speech
Sensing by Self-Mix Interferometry

Main Topics

Precision Mechanical Systems and Manufacturing Technologies

- Precision Manufacturing
- Precision Measurement
- Mechanical Engineering
- Sensor-integrated Manufacturing Systems
- In-situ Monitoring and Sensing Technologies
- Precision Control
- Precision Inspection
- Tribological Systems
- Non-conventional Machining

Micro-Manufacturing, Sensor Devices and Assembly Technologies

- Micro Manufacturing
- Assembly Technologies
- MEMS/NEMS
- Electronics
- Electrical Engineering
- Controls and Mechatronics
- Design Engineering
- Sensor Materials and Devices
- Micro/Nano Sensor Fabrication
- Flexible and Wearable Sensors

Intelligent Sensing Systems and Signal Processing

- Sensing Technologies
- Sensor Systems and Architectures
- Embedded Sensor Systems
- Signal Conditioning and Data Acquisition
- AI for Sensing and Sensor Data Analytics
- IoT Sensing and Edge Devices
- Wireless Sensor Networks
- Smart Sensor Fusion and Digital Twins

Green Manufacturing, Energy 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 Cells
- Energy Harvesting Sensors
- Environmental and Sustainability Sensing

Applied Science, Engineering and Emerging Technologies

- Optics
- Nano Science
- Computer Engineering
- Sensor-enabled Intelligent Systems
- Any other topic related to Precision Engineering and Sensor Technologies
- Applied Science, Engineering and Technology
- Advanced Modeling and Forming
- AI-driven Monitoring and Diagnostics

Program

All academic sessions will be held at Talmud Hotel Kaohsiung LoveRiver, Taiwan.
The banquet will be held at Hai Pa Wang Restaurant (Kaohsiung Chenai).

Time	Activity	
2 October, 2026 - Only Registration		
15:00~17:00	Registration & Welcome Reception	
3 October, 2026 - Symposium Day		
08:00~08:30	Registration	
08:30~09:45	Invited Talk & Oral Session (1)	
09:45~10:00	Group Photo & Coffee Break	
10:00~10:10	Opening Ceremony	
10:10~10:55	Plenary Speech (1) Cheng-Kuo Lee	Moderator: Kyungwho Choi
10:55~11:40	Keynote Speech (1) Yu-Lin Shen	
11:40~12:40	Lunch Time	
12:40~13:25	Plenary Speech (2) Ying-Hao Chu	Moderator: Chao-Cheng Kaun
13:25~14:10	Keynote Speech (2) Silvano Donati	
14:10~14:25	Coffee Break	
14:10~16:00	Poster Session	
14:25~15:25	Invited Talk & Oral Session (2)	
15:25~16:40	Invited Talk & Oral Session (3)	
16:40~17:55	Invited Talk & Oral Session (4)	
17:55~18:05	Closing & Poster Awards	
19:00	Banquet	
4 October, 2026 - Academic Visit		
09:00~14:00	Explore Pier-2 Art Center – Optional Self-Paid Excursion	

Organizers



國立中興大學
NATIONAL CHUNG HSING UNIVERSITY



Co-organizers



精密工程
研究所 Graduate Institute
of Precision Engineering



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