

AGENDA

Day 1, October 30

Time	Topic/Speaker
13:30-14:30	Registration Open
14:30-15:00	Plenary Talk : AI Trends and New Business Models for Applications - Yi-Bing Lin, Lifetime Chair Professor, National Yang Ming Chiao Tung University
15:00-15:30	Plenary Talk : Overview of NSTC Special Research Program for Advanced Smart Displays - Chun-Chih Wu, Distinguished Professor and Vice President of Research and Development, National Taiwan University
15:30-15:50	Coffee Break

AI & Display Electronics

15:50-16:10	Low-power high-efficiency power management IC for Micro-LED driver - Philex Fan, Associate Professor, National Cheng Kung University
16:10-16:30	Precision Prediction and Compensation on Luminance Color of LED Panels via Machine Learnings - Paul C.-P. Chao, Distinguished Professor and University Chair, National Yang Ming Chiao Tung University
16:30-16:50	AI Based Eye Tracking for Head-Mounted Display in AI Augmentation Era - Shao-Yi Chien, CEO, Ganzin Technology, Inc.
16:50-17:10	Artificial Intelligence Assisted Driving for E-Paper Display Development and Microscale Particle Behavior Investigation - Bo-Ru (Paul) Yang, Professor, Sun Yat-Sen University

AGENDA

Day 2, October 31

Time Topic/Speaker

08:30-09:00 Registration Open

AR/VR

09:00-09:20 **From AR-Head-Up Display to MR-Head-Up Display**
 - Hoang-Yan, Lin, Professor, National Taiwan University

09:20-09:40 **Integrating Light-Field Optics and AI Rendering for Continuous-Depth AR-HUD Applications**
 - Yi-Hsiang Huang, Manager, ITRI

09:40-10:00 **Inverse Design on High-Q Nonlocal Metasurfaces for Augmented Reality**
 - Yao-Wei Huang, Associate Professor, National Yang Ming Chiao Tung University

10:00-10:20 **Next-Gen Mixed Reality: AI, Connectivity, and Spatial Computing**
 - Chih-Wei Huang, Professor, National Central University

10:20-10:40 Coffee Break

10:40-11:00 **Explore The Cutting-Edge Tech behind the AI+AR Glasses**
 - Tom Liang, Chairman, Jorjin Technologies Inc.

11:00-11:20 **Liquid Crystal Smart Devices and their Extended Applications**
 - Ko-Ting Cheng, Professor, National Central University

11:20-11:40 **Metasurface Optics: Bridging Light Manipulation to Imaging Applications**
 - Pin-Chieh Wu, Associate Professor, National Cheng Kung University

11:40-12:00 **MicroLED Displays**
 - Meng-Chyi Wu, Professor, National Tsing Hua University

12:00-12:20 **Optimizing Micro-LED Display Quality with Subpixel Rendering Algorithms**
 - Chung-Hao Tien, Professor, National Yang Ming Chiao Tung University

AGENDA

Poster Presentation

14:00-15:00 **Poster Presentation**

15:00-15:30 **Coffee Break**

Emerging Materials & Devices

15:30-15:50 **Chiral Nematic Liquid Crystals for Low-Speckle Laser Sources and Pattern Writing via Focused Lasers**
- Jia-De Lin, Assistant Professor, National Dong Hwa University

15:50-16:10 **Halide Perovskite/Cellulose Nanocrystal Composite Films for High Stability Optoelectronic Applications**
- Meng-Lin Tsai, Associate Professor, National Taiwan University of Science and Technology

16:10-16:30 **Transfer-Based PVGs on Sapphire Substrate for Uniform Pupil Expansion in Full-Color AR Waveguides**
- Yu-Chieh Cheng, Professor, Taipei Tech

16:30-16:50 **Status of Panel Level Package**
- Terry Wang, Manager, ITRI