

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.

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Day 2, October 31

Time	Topic/Speaker
08:30-09:00	Registration Open
AR/VR	
09:00-09:20	TBD - Hoang-Yan, Lin, Professor, National Taiwan University
09:20-09:40	Liquid Crystal Smart Devices and their Extended Applications - Ko-Ting Cheng, Professor, National Central University
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	Integrating Light-Field Optics and AI Rendering for Continuous-Depth AR-HUD Applications - Yi-Hsiang Huang, Manager, ITRI
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

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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