

[ME2] E. Other sensors (Emerging sensor technologies)-2	
Session Date	November 9 (Mon.), 2026
Session Time	14:40-16:20
Session Room	Room E (Conference Room 522)
Session Chair(s)	Prof. Shu-Ping Lin (National Yang Ming Chiao Tung University) Prof. Tatsuo Yoshinobu (Tohoku University)

[ME2-1] [Invited] 14:40-15:05

Hamiltonian-Guided Design of Artificial Molecular Recognition for Multidimensional Chemical Information Transfer

Sooyeon Cho

Sungkyunkwan University, Korea

[ME2-2] 15:05-15:20

Real-Time Tunable Chemical Sensing Array Platform Activated by Blue Micro-Light-Emitting Diodes

Gi Baek Nam and Ho Won Jang

Seoul National University, Korea

[ME2-3] 15:20-15:35

Optimization of Organic Light Addressable Potentiometric Sensors Photocurrent Uniformity with Deposition Process Temperature

Aravind Satheesh¹, Leung Sze Tsui¹, Yu Chou¹, Chia-Ming Yang¹, Bing-Huang Jiang², and Chih-Ping Chen^{1,2}

¹Chang-Gung University, Taiwan, ²Ming-Chi University of Technology, Taiwan,

[ME2-4] 15:35-15:50

A Three-Dimensional Integrated Flexible Electronic System with Advanced Thermal Management

Haoyang Xu, Jingqiu Chen, Hua-Yao Li, Hegeng Li, and Huan Liu

Huazhong University of Science and Technology, China

[ME2-5] 15:50-16:05

Non-Contact Dielectric Sensor for Real-Time Electrolyte Monitoring

Ya-Fu Liou¹, Hua-En Shih¹, Yu-Wei Chiang¹, Jung-Cheng Liao¹, Min-Yen Hsieh¹, Sheng-Yu Peng², and Chii-Wann Lin^{1, 3, 4}

¹ National Taiwan University, Taiwan, ² National Yang Ming Chiao Tung University, Taiwan, ³ University of Tsukuba, Japan, ⁴ National Health Research Institutes, Taiwan

[ME2-6] 16:05-16:20

A High-Sensitivity PbS Colloidal Quantum Dot Field-Effect Transistor Sensor with Monolithically Integrated Heterogeneous Gating

Yan Bai, Huanhuan Zhang, Sha Zhang, Hua-Yao Li, and Huan Liu

Huazhong University of Science and Technology, China