| [ME2] E. Other Sensors (Emerging Sensor Technologies)-2 | |
|---|---|
| **Session Date** | November 09 (Mon.), 2026 |
| **Session Time** | 14:40-16:20 |
| **Session Room** | Room E (Conference Room 522) |
| **Session Chairs** | Prof. Shu-Ping Lin (National Yang Ming Chiao Tung University)<br>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 Satheesh[1], Leung Sze Tsui[1], Yu Chou[1], Chia-Ming Yang[1], Bing-Huang Jiang[2], and Chih-Ping Chen[1,2]

*[1]Chang-Gung University, Taiwan, [2]Ming-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 Liou[1], Hua-En Shih[1], Yu-Wei Chiang[1], Jung-Cheng Liao[1], Min-Yen Hsieh[1], Sheng-Yu Peng[2], 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*