

[ME1] E. Other sensors (Emerging sensor technologies)-1	
Session Date	November 9 (Mon.), 2026
Session Time	13:00-14:25
Session Room	Room E (Conference Room 522)
Session Chair(s)	Prof. Sooyeon Cho (Sungkyunkwan University), Prof. Hyungwon Park (Chung-Ang University)

[ME1-1] [Invited] **13:00-13:25**

Next-Generation Neuromorphic Devices for Bioinspired Sensory Perception

Shu-Ping Lin^{1,2} and Advaita Ghosh¹

¹National Yang Ming Chiao Tung University, Taiwan, ²National Chung Hsing University, Taiwan

[ME1-2] **13:25-13:40**

FEM-to-Oscillator Co-Design of a Planar Spiral Magnetic Sensor

Jung-Cheng Liao, Min-Yen Hsieh, Ya-Fu Liou, Hua-En Shih, Yu-Wei Chiang, and Chii-Wann Lin
National Taiwan University, Taiwan

[ME1-3] **13:40-13:55**

Versatile Paste-Press Packing for Fabricating Through-Hole Electrode Arrays and Micro-/Nano-Rods

Kumi Y. Inoue, Koki Kubota, and Ayane Endo

University of Yamanashi, Japan

[ME1-4] **13:55-14:10**

Effects of Anodization Conditions on Oil Deterioration Sensing Using Pt/TiO₂ Diode Devices

I. Onoda¹, K. Kawashima¹, T. Tsugawa¹, T. Ueda¹, M. Kasai², and T. Hyodo¹

¹Nagasaki University, Japan, ²Idemitsu Kosan Co., Ltd., Japan

[ME1-5] **14:10-14:25**

Tape-Assisted Subtractive Nanoimprint Lithography of Aluminum Nanohole Metasurfaces for Chip-Scale Spectral Sensing

Yu-Heng Hung¹, Tzu-Yu Lin¹, Hsiang-Yu Chung¹, Tsai-Yu Hsieh¹, Wen-Huei Chang², and Chun-Hung Lin¹

¹National Cheng Kung University, Taiwan, ²National Pingtung University, Taiwan