[ME1] E. Other Sensors (Emerging Sensor Technologies)-1	
Session Date	November 09 (Mon.), 2026
Session Time	13:00-14:25
Session Room	Room E (Conference Room 522)
Session Chairs	Prof. Sooyeon Cho (Sungkyunkwan University), Prof. Hyoungwon 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 Ghosh[1]

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

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

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

Jung-Cheng Liao[1], Min-Yen Hsieh[1], Ya-Fu Liou[1], Hua-En Shih[1], Yu-Wei Chiang[1], and Chii-Wann Lin[1,2,3]

[1]National Taiwan University, Taiwan, [2]University of Tsukuba, Japan, [3]National Health Research Institutes, 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/TiO_2 Diode Devices

I. Onoda[1], K. Kawashima[1], T. Tsugawa[1], T. Ueda[1], M. Kasai[2], and T. Hyodo[1]

[1]Nagasaki University, Japan, [2]Idemitsu 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 Hung[1], Tzu-Yu Lin[1], Hsiang-Yu Chung[1], Tsai-Yu Hsieh[1], Wen-Huei Chang[2], and Chun-Hung Lin[1]

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