

[TE2] E. Other sensors (Emerging sensor technologies)-4	
Session Date	November 10 (Tue.), 2026
Session Time	13:30-15:10
Session Room	Room E (Conference Room 522)
Session Chair(s)	Dr. Yeonhoo Kim (KRISS), Prof. Chi-Wann Lin (National Taiwan University)

[TE2-1] [Invited] 13:30-13:55

Surface-Enhanced Raman Scattering for Molecules with Interactions

Zhengjun Zhang

Tsinghua University, China

[TE2-2] 13:55-14:10

Biomimetic Potentiometric Sensor for Methylparaben Based on an Electrosynthesized Polypyrrole / Carbon Nanotube-Modified Pencil Graphite Electrode

Helena Kaye A. Secillano, Jose H. Bergantin Jr., and Fortunato B. Sevilla III

University of Santo Tomas, Philippines

[TE2-3] 14:10-14:25

A Non-Contact CMOS LC Oscillator-Based Complex Dielectric Sensor for Real-Time Monitoring of Oil-Water Emulsion Stability

Yu-Wei Chiang¹, Ya-Fu Liou¹, Hua-En Shih¹, Sheng-Yu Peng², and Chii-Wann Lin^{1,2,3}

¹National Taiwan University, Taiwan, ²National Yang Ming-Chia Tung University, Taiwan, ³National Health Research Institutes, Taiwan,

[TE2-4] 14:25-14:40

A Flexible Multichannel Miniaturized Electrochemical Workstation with Edge Algorithm Deployment

Yun Chen, Jingqiu Chen, Hua-Yao Li, Hegeng Li, and Huan Liu

Huazhong University of Science and Technology, China

[TE2-5] 14:40-14:55

Electrosynthesized Molecularly Imprinted Polypyrrole-Based Impedimetric Sensor for Catechin Using a Screen-Printed Electrode

Jamila B. Santiago, Jose H. Bergantin, and Fortunato B. Sevilla III

University of Santo Tomas, Philippines

[TE2-6] 14:55-15:10

Smartphone-Based Colorimetric Sensing for the Chemometric Differentiation of Honey based on Geographic Origin

Marc Frederick R. Simpao and Fortunato B. Sevilla III

University of Santo Tomas, Philippines