## [TE2] E. Other Sensors (Emerging Sensor Technologies)-4

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| **Session Date** | November 10 (Tue.), 2026 |
| **Session Time** | 13:30-15:10 |
| **Session Room** | Room E (Conference Room 522) |
| **Session Chairs** | Dr. Yeonhoo Kim (KRISS),<br>Prof. Chii-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 Chiang[1], Ya-Fu Liou[1], Hua-En Shih[1], Sheng-Yu Peng[2], and Chii-Wann Lin[1,2,3]

*[1]National Taiwan University, Taiwan, [2]National Yang Ming Chiao Tung University, Taiwan, [3]National 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*