

[TE1] E. Other sensors (Emerging sensor technologies)-3	
Session Date	November 10 (Tue.), 2026
Session Time	10:40-12:05
Session Room	Room E (Conference Room 522)
Session Chair(s)	Prof. Zhengjun Zhang (Tsinghua University), Prof. Wan-Young Chung (Pukyong National University{}

[TE1-1] [Invited]	10:40-11:05
Low-Dimensional Materials for Sensors and Radiation-Hardened Electronics	
Yeonhoo Kim	
<i>Korea Research Institute of Standards and Science, Korea</i>	

[TE1-2]	11:05-11:20
Machine Learning-Guided SERS for Rapid Pesticide Screening	
Kshetrimayum Bandana Devi ¹ , C Vanlalnunpuia ² , Anindita Das ³ , Sushilata Devi Mayanglambam ² , and Rakesh S. Moirangthem ¹	
¹ Manipur University, India, ² Mizoram University, India, ³ Technical University of Munich, Germany	

[TE1-3]	11:20-11:35
Phase-Shifted Balanced Maximum-Entropy m-Sequence Modulation for Synchronous Multi-Wavelength In Situ Fluorescence Sensing	
Tingkai Zhang, Yee Lyn Sim, Zhejia Li, Jianchao Luo, and Shuming Ye	
<i>Zhejiang University, China</i>	

[TE1-4]	11:35-11:50
High-Sensitivity In Situ Chlorophyll a Fluorescence Sensing based on Balanced Maximum-Entropy m-Sequence Modulation	
Tingkai Zhang, Yee Lyn Sim, Zhejia Li, Jianchao Luo, and Shuming Ye	
<i>Zhejiang University, China</i>	

[TE1-5]	11:50-12:05
Omnidirectional 3-D Antenna for Ambient RF Energy Harvesting in Battery-Less Sensor Systems	
Huu-Tam Nguyen, Yudi April Nando, Mubarak Rizki Akbar, and Wan-Young Chung	
<i>Pukyong National University, Korea</i>	