

[MC1] C. Gas sensors (Devices & System application) -1	
Session Date	November 9 (Mon.), 2026
Session Time	13:00-14:25
Session Room	Room C (Conference Room 516)
Session Chair(s)	Prof. Hua-Yao Li (Huazhong University of Science and Technology), Prof. Takeo Hyodo (Nagasaki University)

[MC1-1] [Invited]	13:00-13:25
Smart Environmental Monitoring by Low-Power and Self-Powered Gas Sensors and Artificial Intelligence Inkyu Park <i>Korea Advanced Institute of Science and Technology, Korea</i>	

[MC1-2]	13:25-13:40
Ferroelectric Transistors based on α-In₂Se₃ for Bionic Olfaction Yaxin Liang, Xinyi Chen, Peng Yu, Hua-Yao Li, and Huan Liu <i>Huazhong University of Science and Technology, China</i>	

[MC1-3]	13:40-13:55
Acoustic–Olfactory Gas Sensing Using Receptor-Coated Microphones Tanju Yildirim ¹ , Meng-Qun Feng ¹ , Thuc Anh Ngo ² , Kosuke Minami ¹ , Kota Shiba ¹ , and Genki Yoshikawa ^{1,2} ¹ National Institute for Materials Science, Japan, ² University of Tsukuba, Japan	

[MC1-4]	13:55-14:10
AI-Enhanced Low-Power Gas Sensor System for Addressing Measurement Challenges of Dynamic Range in Portable Applications Soo-Bin Yang, Hyun-Woo Jin, Min-Gyeong Song, Hyun-Woo Jung, and Hyeon-June Kim <i>Seoul National University of Science and Technology, Korea</i>	

[MC1-5]	14:10-14:25
Inverted Type Gas Sensor based on AAO Architecture for Enhanced Gas Selectivity Tongchao Wang, Chen Wang, Peng Sun, and Geyu Lu <i>Jilin University, China</i>	