

[TC1] C. Gas sensors (Devices & System application)-3	
Session Date	November 10 (Tue.), 2026
Session Time	10:40-12:20
Session Room	Room C (Conference Room 516)
Session Chair(s)	Prof. Zi-Long Tang (Tsinghua University), Prof. Ji-Soo Jang (Sungkyunkwan University)

[TC1-1] [Invited] **10:40-11:05**

High Performance Gas Sensors and Biomimetic Olfactory Systems based on Ordered Nanotube Array Structures

Chen Wang, Peng Sun, and Geyu Lu
Jilin University, China

[TC1-2] **11:05-11:20**

Highly Selective and Stable Dual-Dielectric-Layer-Enabled TFT Gas-Sensing Chips

Rongyu Mao¹, Yanting Tang^{1,2}, Huanhuan Zhang¹, Yingying Xing¹, Jingqi Hu¹, Xu Zhang¹, Hua-Yao Li^{1,2}, Hegeng Li¹, and Huan Liu^{1,2}

¹Huazhong University of Science and Technology, China, ²Beijing Polytechnic University, China

[TC1-3] **11:20-11:35**

Low-Temperature Monolithic Artificial Olfactory Neuron for Temporal Hydrogen Monitoring

Yi Lu, Fengmin Liu, and Geyu Lu
Jilin University, China

[TC1-4] **11:35-11:50**

Development of a Personal Contamination Detection Module for CBRN Gas Detection

Minkyung Lee, Jungho Lee, and Jiyun Seo
Agency for defense development, Korea

[TC1-5] **11:50-12:05**

Fabrication and Organic Solvent Vapor Response of Tin Oxide Inverse Opal Photonic Crystals

Satomi Oda, Ichiro Hattori, and Takeshi Onodera
Kyushu University, Japan