[TC1] C. Gas Sensors (Devices & System Application)-3

Session Date	November 10 (Tue.), 2026
Session Time	10:40-12:05
Session Room	Room C (Conference Room 516)
Session Chairs	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 Mao[1], Yanting Tang[1,2], Huanhuan Zhang[1], Yingying Xing[1], Jingqi Hu[1], Xu Zhang[1], Hua-Yao Li[1,2], Hegeng Li[1], and Huan Liu[1,2]

[1]Huazhong University of Science and Technology, China, [2]Beijing 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