[TC2] C. Gas Sensors (Devices & System Application)-4	
Session Date	November 10 (Tue.), 2026
Session Time	13:30-15:25
Session Room	Room C (Conference Room 516)
Session Chairs	Dr. In-Sung Hwang (SENTECH GMI), Prof. Young-Moo Jo (Kyungpook National University)

[TC2-1] [Invited] **13:30-13:55**

Rational Design of Sensing Materials for Optimizing Highly Accurate Artificial Olfactory Systems

Ji-Soo Jang

Sungkyunkwan University, Korea

[TC2-2] **13:55-14:10**

Chemical Sensor System for Micro UAV Chemical Reconnaissance

Jong-Seon Kim, Min-Kyung Lee, Jungho Lee, Hyunwoo Nam, and Young Jin Koh

Agency for Defense Development, Korea

[TC2-3] **14:10-14:25**

Freestanding LED Membranes for Epidermal VOC Sensing

Jun Min Suh

Seoul National University, Korea

[TC2-4] **14:25-14:40**

Research and Application of Intelligent Gas Sensors for Energy Storage Systems/Environmental Safety

Lei Zhu, Jingyun Sun, and Yan Wei

Xi'an Jiaotong University, China

[TC2-5] **14:40-14:55**

Conformal Hydrogen Leakage Visualization Using Air-Compatible Deformable Gasochromic Membranes

Zion Park, Doyeon Kim, Doyeong An, and Young-Seok Shim

Korea University of Technology and Education, Korea

[TC2-6] **14:55-15:10**

A Memristive Electronic Nose Circuit with First-Spike and Rate Fusion Coding for Spiking Neural Networks

Xu Zhang, Zezheng Gong, Rongyu Mao, Hegeng Li, Huayao Li, and Huan Liu

Huazhong University of Science and Technology, China

[TC2-7] **15:10-15:25**

Drift-Adaptive Correlation Matrix Estimation for Time-Series Multi-Channel Gas Sensor Data

Seungmin Jang, Seongwoo Lee, Jihwan Lee, Minji Kim, Heesoo Jung, Jiwoong Heo, Seung Jung Yu, and Jiyun Seo

Agency for Defense Development, Korea