[MB2] B. Gas Sensors (Materials & Sensing Mechanisms)-2	
Session Date	November 09 (Mon.), 2026
Session Time	14:40-16:20
Session Room	Room B (Conference Room 515)
Session Chairs	Prof. Hyoun Woo Kim (Hanyang University), Prof. Tetsuya Kida (Kumamoto University)

[MB2-1] [Invited] **14:40-15:05**

Control of Gas Diffusion and Reactivity in Porous Metal-Oxide Gas Sensors Prepared by Ultrasonic Spray Pyrolysis

Taro Ueda and Takeo Hyodo

Nagasaki University, Japan

[MB2-2] **15:05-15:20**

YSZ-Based Mixed-Potential H_2S Sensors with La_2CeMO_7 (M = Ni, Mn, Fe) Sensing Electrodes for Sewer Environment Monitoring

Jing He, Zuorong Huang, Lei Wu, Sitong Feng, Jiusheng Cai, JiaJia Zheng, Yue Zhang, Xishuang Liang, Fengmin Liu, and Geyu Lu

Jilin University, China

[MB2-3] **15:20-15:35**

Metal Oxide Gas Sensors for Smart Agriculture: From Material Design to Practical Applications

Viruntachar Kruefu[1], Pimpan Leangtanom[2], Montawat Wiboon[1], Chatchawan Sammana[1], Salintip Jongpongsa[1], Siwakorn Bunnak[1], Sirorat Moollor[1], Anurat Wisitsoraat[3], Narong Chanlek[4], and Kata Jaruwongrungse[5]

[1]Maejo University, Thailand, [2]Vidyasirimedhi Institute of Science and Technology, Thailand, [3]National Science and Technology Development Agency, Thailand, [4]Synchrotron Light Research Institute, Thailand, [5]National Electronics and Computer Technology Center, Thailand

[MB2-4] **15:35-15:50**

Self-Assembled Monolayer Engineering of SnO_2 Nanowires for Selective Gas Sensing

Hyoungwon Park

Chung-Ang University, Korea

[MB2-5] **15:50-16:05**

Adsorption/Combustion-Type Gas Microsensors: Effects of Catalyst Supports (Aluminas) on VOC- Sensing Properties and Mechanism

Takeo Hyodo[1], Yuma Matsuura[1], Genki Inao[1,2], Takahiko Sasahara[2], Yasuhiro Shimizu[1], and Taro Ueda[1]

[1]Nagasaki University, Japan, [2]Yazaki Energy System Corporation, Japan

[MB2-6] **16:05-16:20**

Synergistic Morphological and Orbital Engineering of MOF-Derived Co_3O_4 via g-C_3N_4 Templating for Triethylamine Detection

Guoxuan Gu, Yuan Gao, and Geyu Lu

Jilin University, China