

Room A #101 16:00-18:00**[Mo-A3] Big Ideas in Novel Sensors III****Session Chairs:**

Il-Doo Kim (KAIST, Korea),
Nicolae Barsan (Univ. of Tuebingen, Germany)

Mo-A3-1 [Invited] 16:00-16:30**Stimulus-Responsive Conjugated Polymer Nanotubes**

Jong-Man Kim
Hanyang Univ., Korea

Mo-A3-2 16:30-16:45**Crumpled Graphene Oxide Templated Morphology Engineered SnO₂ Nanofibers for Superior Chemiresistors**

Dong-Ha Kim, Ji-Soo Jang, Won-Tae Koo, and Il-Doo Kim
KAIST, Korea

Mo-A3-3 16:45-17:00**Ultrasensitive Detection of Carcinogenic Benzene Gas Sensor using Pd-SnO₂ Sensing Film with a Catalytic Co₃O₄ Overlayer**

Seong-Yong Jeong, Ji-Wook Yoon, Tae-Hyung Kim, Hyun-Mook Jeong, Chul-soon Lee, Yun Chan Kang, and Jong-Heun Lee
Korea Univ., Korea

Mo-A3-4 [Invited] 17:00-17:30**Nanomechanical Sensors (MSS, AMA) with AI toward Artificial Olfaction**

Genki Yoshikawa
NIMS, Japan

Mo-A3-5 17:30-17:45**Pt and ZnO Nanoparticles Sensitized Nanoporous Reduced Graphene Oxide for Wearable NO₂ Gas Sensors: Reversible Reaction Kinetics at Room Temperature**

Joon-Young Kang, Won-Tae Koo, Ji-Soo Jang, Hee-Jin Cho, Dong-Ha Kim, and Il-Doo Kim
KAIST, Korea

Mo-A3-6 17:45-18:00**Crumpled Holey Metal Oxide Nanosheets Templated by Graphene Oxide via Spray Pyrolysis**

Rheehyun Kim, Ji-Soo Jang, Hee-Jin Cho, Dong-Ha Kim, Won-Tae Koo, and Il-Doo Kim
KAIST, Korea

Room B #102 16:00-18:00**[Mo-B3] 2D Materials and Epitaxial Thin Films****Session Chairs:**

Katherine Develos-Bagarinao (AIST, Japan),
Oleksandr Tovstolytkin (Inst. of Magnetism, Ukraine)

Mo-B3-1 [Invited] 16:00-16:30**Silicene and Beyond: Group IV 2D Materials in their Epitaxial Form**

Yukiko Yamada-Takamura
JAIST, Japan

Mo-B3-2 [Invited] 16:30-17:00**Anomalous Strain Dependence of the Magnetocrystalline Easy Axis/Plane in Epitaxial La_{0.67}Ba_{0.33}MnO₃ Films**

Hong Zhu, JinZeng Tian, Qingyong Duanmu, Xiangnan Xie, Haoru Wang, and Guankai Lin
Univ. of Sci. and Tech. of China, China

Mo-B3-3 17:00-17:15**Ultraclean Transfer Method of CVD-Grown Graphene by using Sublimable Film**

Min Jung Kim¹, Andrea Gnisci², Giuliana Faggio², Nicola Lisi³, Andrea Capasso⁴, and Gwan-Hyoung Lee¹
¹Yonsei Univ., Korea, ²Univ. "Mediterranea" of Reggio Calabria, Italy, ³Casaccia Research Centre, Italy, ⁴IIT Graphene Labs, Italy

Mo-B3-4 17:15-17:30**The Influence of Mixed Functional Group on the Structural and Electronic Properties of Cr₂C**

Minyeong Je¹, Youngbin Lee², and Yong-Chae Chung¹
¹Hanyang Univ., Korea, ²MIT, USA