



IUMRS-ICEM 2018

AUGUST 19(SUN.) - 24(FRI.), 2018 / DAEJEON, KOREA

Session Title	Big Ideas in Novel Sensors III	Session Code	Mo-A3
Date and Time	2018-08-20 / 16:00 - 18:00		
Place	Room A		
Session Chair	TBA		

Mo-A3-1

16:00 - 16:30

[Invited] 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

17:00 - 17:30

[Invited] 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