



IUMRS-ICEM 2018

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

Session Title	Big Ideas in Novel Sensors IV	Session Code	Tu-A1
Date and Time	2018-08-21 / 10:30 - 12:30		
Place	Room A		
Session Chair	TBA		

Tu-A1-1

10:30 - 11:00

[Invited] Room Temperature Gas Sensors based on Sn Compounds for IoT

Chong-Yun Kang^{1,2}, Young Geun Song^{1,2}, and Seung Yeop Yi^{1,2}
¹KIST, Korea, ²Korea Univ., Korea

Tu-A1-2

11:00 - 11:15

Few-Layered WS₂ Confined in Co, N-Doped Hollow Carbon Nanocages Derived from MOF for Superior NO₂ Sensors

Won-Tae Koo¹, Jun-Hwe Cha¹, Ji-Won Jung¹, Seon-Jin Choi², Ji-Soo Jang¹, Dong-Ha Kim¹, and Il-Doo Kim¹
¹KAIST, Korea, ²MIT, USA

Tu-A1-3

11:15 - 11:45

[Invited] A New Active Layer for a Different Level of Organic Electrochemical Transistor

Junwoo Lee^{1,2}, Sang-Il Choi^{1,2}, and Sungsoo Kim¹
¹Pai Chai Univ., Korea, ²Flexolution Corp., Korea

Tu-A1-4

11:45 - 12:00

Catalyst Loaded WO₃@SnO₂ Heteronanostructures: Synthesis and Their Gas Sensing Performance

Peresi Majura Bulemo and Il-Doo Kim
KAIST, Korea