2020년 2월 14일(금), 09:00~10:30

Room E (루비 II, 5층)

I. MEMS & Sensor Systems 분과
[FE1-I] Gas Sensing Technology

FE1-I-1 **09:00~09:30**	**[초청]** **Fabrication of Heterogeneous Metal Oxide Nanostructure Array for Gas Mixture Sensors** Daejong Yang, Seungmun Jeon, Bumjoo Kim, Dahoon Ahn, and Jung-hoon Yun *Kongju National University*
FE1-I-2 **09:30~09:45**	**Effects of Body Bias and Operation Region on Gas Response in FET-type Gas Sensor having Horizontal Floating-Gate.** Jinwoo Park, Seongbin Hong, Yujeong Jeong, Gyuweon Jung, Wonjun Shin, Dongkyu Jang, and Jong–ho Lee *Department of Electrical and Computer Engineering and Inter-University Semiconductor Research Center (ISRC), Seoul National University*
FE1-I-3 **09:45~10:00**	**Highly Sensitive and Selective Gas Sensing Performance in MOSFET-Based Gas Sensor Using Facile Metal Nanoparticle Agglomeration Process** Seongbin Hong, Yujeong Jeong, Gyuweon Jung, Wonjun Shin, Jinwoo Park, Jung-Kyu Lee, Dongkyu Jang, and Jong-Ho Lee *Department of Electrical and Computer Engineering, and Inter-University Semiconductor Research Center, Seoul National University*
FE1-I-4 **10:00~10:15**	**Comparatively Properties of Hydrogen Gas Sensor Pd/Ta2O5and Pd/TiO2 Schottky Diode based on Si And SiC Substrates** Hussain Muhammad[1], Sajjad Hussain[1], Asif Ali[2], Syed Hassan Abbas Jaffery[1], and Jung Jongwan[1] *[1]Graphene Research Institute, Sejong University, [2]Department of Nanotechnology & Advanced Materials Engineering and Graphene Research Institute, Sejong University*
FE1-I-5 **10:15~10:30**	**Effect of Resistor-type Gas Sensor Scaling on Sensing and Low frequency Noise Characteristics** Wonjun Shin, Gyuweon Jung, Seongbin Hong, Yujeong Jeong, Jinwoo Park, Dongkyu Jang, and Jong-Ho Lee *School of ECE and ISRC, Seoul National University*