2018년 2월 6일(화), 09:00-10:45
Room B (태백II+III, 5층)

I. MEMS & Sensor Systems 분과
[TB1-I] Gas/Chemical Sensors

TB1-I-1 **09:00-09:15**	**Optimization of the Performance in Humidity Sensor based on Pre-Separated 99% Metallic Single-Walled Carbon Nanotube** Yeamin Kim, Bongsik Choi, Jinsu Yoon, Yongwoo Lee, Jungmin Han, Jieun Lee, Jinhee Park, Dong Myong Kim, Dae Hwan Kim, and Sung-Jin Choi *School of Electrical Engineering, Kookmin University*
TB1-I-2 **09:15-09:30**	**Gas Sensing Characteristics of the FET-Type Gas Sensor Having Inkjet-Printed WS_2 Sensing Layer** Yujeong Jeong, Jongmin Shin, Yoonki Hong, Meile Wu, Seongbin Hong, and Jong-Ho Lee *Department of Electrical Eng., Seoul National University*
TB1-I-3 **09:30-09:45**	**Electrical Characteristics of Parylene Gate Dielectric in Silicon Nanowire Based Ion-Sensitive Field-Effect Transistors** Wonyeong Choi[1], Bo Jin[1], ChanOh Park[2], Donghoon Kim[1], Ga-Yeon Lee[3], Jae-Chul Pyun[3], and Jeong-Soo Lee[1,2] *[1]Department of Electrical Engineering, POSTECH, [2]Division of IT-Convergence Engineering, POSTECH, [3]Department of Materials Science and Engineering, Yonsei University*
TB1-I-4 **09:45-10:00**	**Humidity-Sensitive Field Effect Transistor with In_2O_3 Nanoparticles as a Sensing Layer** Seongbin Hong, Jongmin Shin, Yoonki Hong, Meile Wu, Dongkyu Jang, Yujeong Jeong, and Jong-Ho Le *Department of ECE and ISRC, Seoul National University*
TB1-I-5 **10:00-10:15**	**EIS Sensor for Fluoride Ion Detection based on LaF_3 Film** Hyeonsu Cho[1], Kihyun Kim[2], and Chang-Ki Baek[1] *[1]Department of Creative IT Engineering, POSTECH, [2]Department of Future IT Innovation Lab., POSTECH*
TB1-I-6 **10:15-10:30**	**Enhanced pH Sensitivity Using Capacitive Coupling in Extended Gate FET Sensor with Various High-K Sensing Films** Joo-Won Kang and Won-Ju Cho *Department of Electronic Materials Engineering, Kwangwoon University*
TB1-I-7 **10:30-10:45**	**Calibrated Environmental Sensor based on Resistive Sensing for Sub-ppm Level VOC Gas Detection** Ho Yong Seong, Hung Phan Dang, Hyunwoo Park, and Minkyu Je *School of Electrical Engeering., KAIST*