I. MEMS & Sensor Systems 분과

2017년 2월 15일 (수), 12:40-14:25
Room D (크리스탈, 2층)

[WD3-I] Fet-based Sensors

좌장: 백창기(포항공과대학교)

WD3-I-1 **12:40-12:55**	**Process Parameter Effects on the Stress of Micro-bolometer Array Integrated Monolithically on CMOS Readout Integrate Circuit** Wan-Gyu Lee and Ho-Seung Jeon *Department of Global Nanotechnology Development, National NanoFab Center*
WD3-I-2 **12:55-13:10**	**Sensing Characteristics of MOSFET Gas Sensor having Inkjet-Printed CNT as a Sensing Layer** Young-tak Seo, Yoonki Hong, Jongmin Shin, Dongkyu Jang, Yujeong Jeong, Seongbin Oh, and Jong-Ho Lee *Department of Electrical and Computer Engineering and Inter-university Semiconductor Research Center, Seoul National University*
WD3-I-3 **13:10-13:25**	**Introduced Novel In-Plane Structure for Excellent Sensitivity based Extended Gate Field-Effect Transistor** Ju-Young Pyo and Won-Ju Cho *Department of Electrical Materials Engineering, Kwnagwoon University*
WD3-I-4 **13:25-13:40**	**Development of AlGaN/GaN HEMT Platform for Sensor Applications** Kyung-Ho Park[1], Chu-Young Cho[1], Yumin Koh[1], Hyeong-Ho Park[1], Do-Kywn Kim[1], Young Tae Jo[1], Sunwoo Jung[2], Soohwan Jang[2], and Won-Kyu Park[1] *[1]Device Platforms Lab., Korea Advanced Nano Fab Center, [2]Department of Chemical Engineering, Dankook University*
WD3-I-5 **13:40-13:55**	**Response Characteristics of Si FET-Type Humidity Sensor Having Sputtered MoS_2 Film as a Sensing Layer** Jongmin Shin, Yoonki Hong, Meile Wu, Byung-Gook Park, and Jong-Ho Lee *School of ECE and ISRC, Seoul National University*
WD3-I-6 **13:55-14:10**	**Influence of Oxygen-Content on the Characteristics in Amorphous InGaZnO TFT-based Temperature Sensors** Seohyeon Kim, Jun Tae Jang, Sungju Choi, Jungkyu Jang, Jungmok Kim, Hyun-Sun Mo, Dong Myong Kim, Sung-Jin Choi, and Dae Hwan Kim *School of Electrical Engineering, Kookmin University*
WD3-I-7 **14:10-14:25**	**Experimental Analysis on the Setup/Hold Time in Readout Condition of Si Nanowire FET-based Biosensors for Detecting Ion and/or Biomolecule in Analyte Solution** Jungkyu Jang[1], Jungmok Kim[1], Hyun-Sun Mo[1], Jisun Park[1], Byung-Gook Park[2], Sung-Jin Choi[1], Dong Myung Kim[1], and Dae Hwan Kim[1] *[1]School of Electrical Engineering, Kookmin University, [2]Inter-university Semiconductor Research Center (ISRC), Seoul National University*