



★ Special Session

2019년 2월 15일(금), 09:00-10:45

Room L (죽실, 5층)

[FL1-SS] Special Session: Sensor & IoT

좌장: 유경식 교수(KAIST), 유승협 교수(KAIST)

FL1-SS-1 09:00-09:15	산화철을 첨가한 산화아연 반도체식 가스센서 이정석 ¹ , 이세형 ¹ , 박소영 ¹ , 김유종 ¹ , 우경완 ¹ , 이상현 ² , 이문석 ¹ ¹ 부산대학교 전기전자컴퓨터공학과, ² 부산대학교 스마트융합공학과
FL1-SS-2 09:15-09:30	3D Printing-Based Pressure Sensor with Porous Dielectric Elastomer for Healthcare Monitoring Jinsu Yoon ¹ , Jinhee Park ¹ , Bongsik Choi ¹ , Yongwoo Lee ¹ , Yeamin Kim ¹ , Hyo-Jin Kim ¹ , Geon-Hwi Park ¹ , Min-Ho Kang ² , Dong Myong Kim ¹ , Dae Hwan Kim ¹ , and Sung-Jin Choi ¹ ¹ School of Electrical Engineering, Kookmin University, ² Department of Nano-Process, NNFC
FL1-SS-3 09:30-09:45	The SO₂ Gas Sensing Characteristics of WO₃ Deposited MOSFET Gas Sensor Gyuweon Jung ^{1,2} , Yujeong Jeong ^{1,2} , Yoonki Hong ^{1,2} , Meile Wu ^{1,2} , Seongbin Hong ^{1,2} , Wonjun Shin ^{1,2} , Dongkyu Jang ^{1,2} , and Jong-Ho Lee ^{1,2} ¹ Department of Electrical and Computer Engineering, Seoul National University, ² Inter-University Semiconductor Research Center, Seoul National University
FL1-SS-4 09:45-10:00	Stretchable Organic Artificial Sensorimotor Synapse for Bio-Inspired Electronics Yeongjun Lee ¹ , Jin Young Oh ² , Wentao Xu ¹ , Onnuri Kim ³ , Taeho Roy Kim ⁴ , Jiheong Kang ⁵ , Yeongin Kim ⁶ , Donghee Son ⁵ , Jeffery B.-H. Tok ⁵ , Moon Jeong Park ³ , Zhenan Bao ⁵ , and Tae-Woo Lee ¹ ¹ Department of Materials Science and Engineering, Seoul National University, ² Department of Chemical Engineering, Kyung Hee University, ³ Department of Chemistry, POSTECH, ⁴ Department of Material Science and Engineering, Stanford University, USA, ⁵ Department of Chemical Engineering, Stanford University, USA, ⁶ Department of Electrical Engineering, Stanford University, USA
FL1-SS-5 10:00-10:15	Bioabsorbable Si Nanomembranes and Phase-engineered MoS₂ with Fe₂O₃ Nanoparticle Catalyst for High-performance Transient Dopamine Sensors Seung Min Yang, Jae Hyung Shim, Tae-Min Jang, Chul-Ho Lee, and Suk-Won Hwang <i>KU-KIST Graduate School of Converging Science and Technology, Korea University</i>
FL1-SS-6 10:15-10:30	28-nm Embedded Flash Process for 1-Chip (MCU + Connectivity) IoT KyongSik Yeom, JongSung Woo, Changmin Jeon, Hongkook Min, Yong Kyu Lee, Kichul Park, and Gitae Jeong <i>Foundry Business, Samsung Electronics Co., Ltd.</i>
FL1-SS-7 10:30-10:45	Light-Responsive Display: Simultaneous Imaging, Sensing, Energy Harvesting and Data Communications Nuri Oh <i>Division of Materials Science and Engineering, Hanyang University</i>