

2020년 2월 14일(금), 15:45~17:30

Room E (루비 II, 5층)

## I. MEMS & Sensor Systems 분과

### [FE3-I] MEMS and Sensor Systems for Biomedical Applications

FE3-I-1 15:45~16:15	<b>[초청]</b> 실시간 건강진단을 위한 웨어러블 디바이스 Kyung In Jang DGIST
FE3-I-2 16:15~16:30	<b>High-performance Transient Dopamine Sensors based on Bioabsorbable Si Nanomembranes and Phase-engineered MoS<sub>2</sub> with Fe-based Nanoparticle Catalyst</b> Seung Min Yang, Jae Hyung Shim, Tae-min Jang, Chul-ho Lee, and Suk-won Hwang KU-KIST Graduate School of Converging Science and Technology, Korea University
FE3-I-3 16:30~16:45	<b>Multi-Layer Pyramid Structured Flexible Dual Mode Sensor with Enhanced Detection Range for Soft Electronics</b> Minhyun Jung and Sanghun Jeon <sup>1</sup> School of Electrical Engineering, KAIST
FE3-I-4 16:45~17:00	<b>Fully-wireless Wearable Pulse Oximeter in the Form of a Finger Band</b> Minsu Song, Sunggu Kang, and Jeonghyun Kim Department of Electronic Convergence Engineering, Kwangwoon University
FE3-I-5 17:00~17:15	<b>Amorphous Metal for Flexible Bimodal Sensor in Wearable Electronics</b> Minhyun Jung <sup>1</sup> , Changjin Yun <sup>2</sup> , Kungwon Rhie <sup>2</sup> , and Sanghun Jeon <sup>1</sup> <sup>1</sup> School of Electrical Engineering, KAIST, <sup>2</sup> Department of Applied Physics, Korea University
FE3-I-6 17:15~17:30	<b>Microparticles Analysis (Sorting and Counting) Microfluidic Chip based on Viscoelastic Fluid and Resistive Pulse Sensing Method</b> Yu Seong Kim, Dong Geon Jung, Soon Yeol Kwon, Young Chan Choi, Jae Yong Lee, Seung Deok Kim, Seong Mo Koo, and Seong Ho Kong School of Electronics Engineering, Kyungpook National University