



## I. MEMS &amp; Sensor Systems 분과

2019년 2월 15일(금), 15:30-17:15

Room J (란실, 5층)

## [FJ3-I] MEMS and Sensor Systems for Biomedical Applications

좌장: 안재혁 교수(광운대학교), 유경식 교수(KAIST)

<p>FJ3-I-1 15:30-16:00</p>	<p>[초청] <b>Wireless Optofluidic Probe Systems for In Vivo Pharmacology and Optogenetics</b> Jae-Woong Jeong <i>School of Electrical Engineering, KAIST</i></p>
<p>FJ3-I-2 16:00-16:30</p>	<p>[초청] <b>Advanced Neural Interfaces and Future Applications for the Peripheral Nervous System (PNS)</b> Sanghoon Lee <i>Department of Robotics Engineering, DGIST</i></p>
<p>FJ3-I-3 16:30-16:45</p>	<p><b>Design of Ultra-Sensitive Ion-Sensitive Field-Effect Transistors with In-Plane Gate Structure through High-<i>k</i> Gate Insulator Engineering for Point-of-Care</b> Jin-Hyeock Jeon and Won-Ju Cho <i>Department of Electrical Materials Engineering, Kwangwoon University</i></p>
<p>FJ3-I-4 16:45-17:00</p>	<p><b>Reproducibility of Stable Dirac Point Using Graphene Field Effect Transistor for DNA Sensor Application</b> Hyo Eun Kim, Ariadna Schuck, June Ho Lee, and Yong-Sang Kim <i>Department of Electrical and Computer Engineering, Sungkyunkwan University</i></p>
<p>FJ3-I-5 17:00-17:15</p>	<p><b>Sensing Responses of Au-Decorated Silicon Nanowire Sensor for Ammonia Detection</b> Donghoon Kim<sup>1</sup>, Chanoh Park<sup>2</sup>, Wonyoung Choi<sup>1</sup>, Seong-Hwan Shin<sup>1</sup>, Bo Jin<sup>1</sup>, Hyun-Jin Shin<sup>3,4</sup>, and Jeong-Soo Lee<sup>1,2</sup> <sup>1</sup><i>Department of Electrical Engineering, POSTECH</i>, <sup>2</sup><i>Division of IT-Convergence Engineering, POSTECH</i>, <sup>3</sup><i>Laboratory of Infectious Disease, College of Veterinary Medicine, Chungnam National University</i>, <sup>4</sup><i>Research Institute of Veterinary Medicine, Chungnam National University</i></p>