

I. MEMS & Sensor Systems 분과

2020년 2월 14일(금), 10:45-12:30 /Room E (루비 II, 5층)

■ [FE2-I] Chemical and Biological Sensors

좌장: 박동욱 교수 (서울시립대학교), 김정현 교수 (광운대학교)

FE2-I-1 10:45-11:15	<p>[초청]</p> <p>A Fully Packaged Portable Thin Film Transistor Biosensor for Electrical Detection of Colon Cancer Secreted Protein-2</p> <p>Minhong Jeun^{1,2}, Hyo Jeong Lee³, Sungwook Park², Eun-ju Do³, Jaewon Choi², Sang-yeob Kim³, Dong-hee Kim³, Ja Young Kang³, Kwan Hyi Lee², and Seung-jae Myung³</p> <p>¹BISTEP, ²KIST, ³Asan Institute for Life Sciences, Asan Medical Center</p>
FE2-I-2 11:15-11:30	<p>Carbon Nanotube Field-effect Transistor with Sodium-selective Membrane for Sodium Sensing</p> <p>Sang-chan Park¹, Hee June Jeong², Min Heo², Jae Ho Sin², and Jae-hyuk Ahn¹</p> <p>¹Department of Electronic Engineering, Kwangwoon University, ²Department of Chemistry, Kwangwoon University</p>
FE2-I-3 11:30-11:45	<p>Highly Accurate Fluoride ion Detection in Tap Water with Diluted Buffer Solution</p> <p>Hyeon-tak Kwak¹, Hyeonsu Cho², and Chang-ki Baek²</p> <p>¹Department of Electrical Engineering, POSTECH, ²Department of Creative IT Engineering, POSTECH</p>
FE2-I-4 11:45-12:00	<p>Ultra High Sensitivity Biosensors Using Silicon Nanowires Dual Gate Field Effect Transistors Fabricated by Electrospun PVP Nanofiber Template Pattern Transfer</p> <p>Seong-kun Cho and Won-ju Cho</p> <p>Department of Electronic Materials Engineering, Kwangwoon University</p>
FE2-I-5 12:00-12:30	<p>[초청]</p> <p>Plasmonic Hybrid Structures for Sensing, Imaging, and Delivery</p> <p>Inhee Choi</p> <p>University of Seoul</p>