



# 제 30회 한국반도체학술대회

The 30th Korean Conference on Semiconductors

2023년 2월 13일(월) ~ 15일(수) | 강원도 하이원리조트(그랜드호텔 컨벤션타워)

2023년 2월 15일(수), 16:00-17:45

Room J (하트 III, 6층)

## U. Bio-Medical 분과

### [WJ3-U] Advances in Biomedical Integrated Circuits and Systems

좌장: 김철 교수(KAIST), 이정협 교수(DGIST)

WJ3-U-1 16:00-16:30 [초청]	<b>Area- and Energy-Efficient Neural Interface Architectures for Advanced Neuroscience Research Tools</b> Sung-Yun Park <i>Pusan National University</i>
WJ3-U-2 16:30-17:00 [초청]	<b>A Low-Power and Area-Efficient Beamforming SAR ADC for 3-D Imaging Systems</b> Seungah Lee and Joonsung Bae <i>Kangwon National University</i>
WJ3-U-3 17:00-17:15	<b>A Reconfigurable Sub-Array Multiplexing Microelectrode Array System for Investigating Neural Communication</b> Ji-Hyoung Cha <sup>1</sup> , Jee-Ho Park <sup>1</sup> , Yongjae Park <sup>1</sup> , Hyogeun Shin <sup>2</sup> , Kyeong Seob Hwang <sup>2</sup> , Il-Joo Cho <sup>2</sup> , and Seong-Jin Kim <sup>1</sup> <sup>1</sup> UNIST, <sup>2</sup> KIST
WJ3-U-4 17:15-17:30	<b>Half-wave Cross Coupled Voltage Doubler for Ultrasonic Wireless Power Transmission</b> Chammin Park, Juntae Jang, and Chul Kim <i>KAIST</i>
WJ3-U-5 17:30-17:45	<b>바이오 측정을 위한 프로세스, 전압, 온도 변화에 강인한 VCO-Based ADC</b> Soyeong Bae and Junghyup Lee <i>Department of Electrical Engineering and Computer Science, DGIST</i>