



제 31회 한국반도체학술대회

The 31st Korean Conference on Semiconductors

2024년 1월 24일(수)-26일(금) | 경주화백컨벤션센터(HICO)

2024년 1월 26일(금), 09:00-10:45

Room H(202), 2층

U. Bio-Medical 분과

[FH1-U] Advanced Biomedical Integrated Circuits and Systems

좌장: 이정협 교수(DGIST), 송민영 교수(DGIST)

초청발표 FH1-U-1 09:00-09:30	An Impedance-measurement IC Achieving Wide Frequency Range and High Throughput for Real-time Biomedical Applications Soon-Jae Kweon The Catholic University of Korea
초청발표 FH1-U-2 09:30-10:00	CMOS Integrated Circuits for High-density Multi-functional Neural Interface Changhyuk Lee ^{1,2} ¹ Brain Science Institute, KIST, ² Institute for Conversions, Sungkyunkwan University , Sungkyunkwan University
FH1-U-3 10:00-10:15	Wireless System Miniaturization Solutions for Ingestible Sensors Chansoo Park and Minyoung Song DGIST
FH1-U-4 10:15-10:30	A Fully Integrated Wireless Stimulator SoC for Addressable Cortical Microimplant Chae-Eun Lee ¹ , Joonyoung Lim ² , and Yoon-kyu Song ² ¹ Department of Transdisciplinary Studies, Seoul National University, ² Department of Applied Bioengineering, Seoul National University
FH1-U-5 10:30-10:45	A 2 nd -Order Δ^2 - $\Delta\Sigma$ Modulation Based Current Sensing Front-End in Energy and Area Efficient form Factor with Dual PWM Current DAC Jee-Ho Park, Ji-Hyoung Cha, and Seong-Jin Kim UNIST