



제 29회 한국반도체학술대회

The 29th Korean Conference on Semiconductors

2022년 1월 24일(월)~ 26일(수) | 강원도 하이원 그랜드호텔(컨벤션타워)

2022년 1월 26일(수), 10:45-12:00

Room E (루비 II, 5층)

U. Bio-Medical 분과

[WE2-U] 바이오-메디컬용 반도체 응용

좌장: 김철 교수(KAIST), 이성규 박사(ETRI)

<p>WE2-U-1 10:45-11:00</p>	<p>Smart-phone Based Wireless Transcranial Ultrasound Neurostimulation Using a Capacitive Micromachined Ultrasound Transducer Seonghun Cho^{1,2}, Shinyong Shim¹, Butrus T. Khuri-Yakub³, Jae-Woong Jeong², and Byung Chul Lee¹ <i>¹Creative Research Center for Brain Science, KIST, ²Department of Electrical Engineering, KAIST, ³Department of Electrical Engineering, Stanford University</i></p>
<p>WE2-U-2 11:00-11:30</p>	<p>Integrated Circuits and Microsystems for Emerging Biomedical Applications Minkyu Je KAIST</p>
<p>WE2-U-3 11:30-11:45</p>	<p>Facile and Real-Time Identification of Blood Components via Self-Powered Organic-Inorganic Heterojunction Photodetectors Taehyun Park¹ and Hocheon Yoo² <i>¹Department of Chemical and Biological Engineering, Gachon University, ²Department of Electronic Engineering, Gachon University</i></p>
<p>WE2-U-4 11:45-12:00</p>	<p>대장내시경에 진단 중 천공 발생 방지를 위한 압력센서와 신호처리 방법 강영재¹, 김세은¹, 정창호¹, 정윤호², 이문구¹ <i>¹아주대학교 공과대학, ²순천향대학교 의과대학</i></p>