



# 제 30회 한국반도체학술대회

The 30th Korean Conference on Semiconductors

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

2023년 2월 15일(수), 09:00-10:30

Room F (스페이드 I, 6층)

## P. Device for Energy (Solar Cell, Power Device, Battery, etc.) 분과

### [WF1-P] 에너지 하베스팅 및 에너지 저장

좌장: 박정웅 교수(가천대학교), 이재원 교수(강원대학교)

<p><b>WF1-P-1</b> 09:00-09:30 [초청]</p>	<p><b>Control of Defects and Thermoelectric Properties in N-type Bismuth Telluride Alloys</b> Seung-Hyub Baek <i>Center for Electronic Materials, KIST</i></p>
<p><b>WF1-P-2</b> 09:30-09:45</p>	<p><b>Effects of Surface Ligand on the Thermoelectric Properties of the Colloidal Nanocrystal</b> Jeehyun Jeong<sup>1,2,3</sup>, Juhjung Park<sup>1,2,3</sup>, Jeonghan Song<sup>1,2,3</sup>, and Jeonghun Kwak<sup>1,2,3</sup> <i><sup>1</sup>Department of Electrical and Computer Engineering, Seoul National University, <sup>2</sup>Inter-university Semiconductor Research Center, Seoul National University, <sup>3</sup>Soft Foundry Institute, Seoul National University</i></p>
<p><b>WF1-P-3</b> 09:45-10:00</p>	<p><b>Synergetic Effects of Fluorosulfate-Based Electrolyte Additive Developed for Lithium-ion Batteries Using Ultra Ni-rich (90%) Cathode Materials</b> Jimin Oh<sup>1</sup>, Kwang Man Kim<sup>1</sup>, and Sung You Hong<sup>2</sup> <i><sup>1</sup>ETRI, <sup>2</sup>UNIST</i></p>
<p><b>WF1-P-4</b> 10:00-10:30 [초청]</p>	<p><b>Functionalized Dielectrics-Based Triboelectric Nanogenerators for Output Power Enhancement</b> Jae Won Lee <i>Kangwon National University</i></p>