



# 제 29회 한국반도체학술대회

The 29th Korean Conference on Semiconductors

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

2022년 1월 25일(화), 16:00-17:45

Room L (다이아몬드 II, 6층)

## C. Material Growth & Characterization 분과

### [TL3-C] Post Si

좌장: 장영준 교수(서울시립대학교)

<p><b>TL3-C-1</b> 16:00-16:30</p>	<p><b>Nanoarchitecture of Mixed Dimensional Heterostructures for Optoelectronic Device Applications</b> Kunook Chung <i>Department of Physics, UNIST</i></p>
<p><b>TL3-C-2</b> 16:30-17:00</p>	<p><b>Remote Epitaxial Growth of Semiconductor Microrods for Fabricating Releasable and Deformable Lighting Devices</b> Young Joon Hong <i>Department of Nanotechnology and Advanced Materials Engineering, Sejong University</i></p>
<p><b>TL3-C-3</b> 17:00-17:15</p>	<p><b>Investigation of Electrical Properties of 2H-Si Microwire</b> Seung-Heon Shin<sup>1</sup>, Kyoung Hwa Kim<sup>2</sup>, Gang Seok Lee<sup>2</sup>, Jae Hak Lee<sup>2</sup>, Hyung Soo Ahn<sup>2</sup>, and Ho-Young Cha<sup>1</sup> <i><sup>1</sup>School of Electrical and Electronic Engineering, Hongik University, <sup>2</sup>Department of Electronic Material Engineering, Korea Maritime and Ocean University</i></p>
<p><b>TL3-C-4</b> 17:15-17:30</p>	<p><b>Fabrication of Defectless Epitaxial Si/SiGe Multi-Layers for 3D-DRAMs</b> Jae-Cheon Yong<sup>1</sup>, Dong-Chan Suh<sup>2</sup>, Yongjoon Choi<sup>1</sup>, Choonghee Jo<sup>1</sup>, Ki-Seok Lee<sup>1</sup>, Dong-Min Yoon<sup>1</sup>, Hye-Rin Shin<sup>1</sup>, Yong-Sang Jo<sup>3</sup>, Keong-Joon Kim<sup>3</sup>, Beck-Mo Son<sup>3</sup>, Jeongho Lee<sup>3</sup>, Heungsoo Park<sup>2</sup>, and Dae-Hong Ko<sup>1</sup> <i><sup>1</sup>Department of Material Science and Engineering, Yonsei University, <sup>2</sup>BIO-IT Micro Fab Center, Yonsei University, <sup>3</sup>WONIK IPS Co., Ltd.</i></p>
<p><b>TL3-C-5</b> 17:30-17:45</p>	<p><b>Heterojunction Silicon Photovoltaic Cell Applying Conductive Filament</b> Doowon Lee and Hee-Dong Kim <i>Department of Electrical Engineering, and Convergence Engineering for Intelligent Drone, Sejong University</i></p>