



제 29회 한국반도체학술대회

The 29th Korean Conference on Semiconductors

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

2022년 1월 26일(수), 10:45-12:30

Room L (다이아몬드 II, 6층)

C. Material Growth & Characterization 분과 [WL2-C] Advanced Characterization

좌장: 정건욱 교수(UNIST)

<p>WL2-C-1 10:45-11:15</p>	<p>Terahertz Near-field Spectroscopy for Non-contact Mapping of Electrical Properties below the Diffraction Limit Teun-Teun Kim <i>Department of Physics and Energy Harvest-Storage Research Center (EHSRC), University of Ulsan</i></p>
<p>WL2-C-2 11:15-11:30</p>	<p>Revisiting People-Bean Model with Modern Data Analytics to Quantitatively Predict Epitaxial Strain Relaxation Jin Young Oh¹, Dongwon Shin², and Woo Seok Choi¹ <i>¹Department of Physics, Sungkyunkwan University, ²Materials Science and Technology Division, Oak Ridge National Laboratory</i></p>
<p>WL2-C-3 11:30-11:45</p>	<p>Prevention of Island Formation during Low Temperature SiGe Epitaxy under Ar/H₂ Ambient Conditions Dongmin Yoon¹, Chunghee Jo¹, Yongjoon Choi¹, Hyerin Shin¹, Joosung Kang¹, Jinwoo Moon¹, Hwa-yeon Ryu¹, Kiseok Lee¹, So Young Kim¹, Seunghyun Baik¹, Dong Chan Suh², Heungsoo Park², and Dae-Hong Ko¹ <i>¹Department of Material Science and Engineering, Yonsei University, ²BIO-IT Micro Fab Center, Yonsei University</i></p>
<p>WL2-C-4 11:45-12:00</p>	<p>Diamond Schottky Barrier Diode Fabricated on High-quality Misoriented Heteroepitaxial Diamond Substrate Using Microwave Plasma Chemical Vapor Deposition Taemyung Kwak¹, Uiho Choi¹, Sanghun Han¹, Seong-woo Kim², and Okhyun Nam¹ <i>¹Department of Nano & Semiconductor Engineering, Korea polytechnic University, ²Namiki Precision Jewel Co., Ltd.</i></p>
<p>WL2-C-5 12:00-12:15</p>	<p>Lateral Growth and Facet Propagation during the Low Temperature Selective Epitaxial Growth in the Nano-structured Si Wafers 신혜린¹, 윤동민¹, 최용준¹, 조충희¹, 정기쁨³, 오훈정², 심태현³, 서동찬², 박흥수², 고대홍¹ <i>¹연세대학교 공과대학 신소재공학과, ²연세대학교 BIT Micro Fab Center, ³한양대학교 산학협력단</i></p>
<p>WL2-C-6 12:15-12:30</p>	<p>Growth and Characterization of Heteroepitaxial (001) and (111) Diamond on Ir/sapphire Structures Uiho Choi¹, Heejin Shin¹, Jongbeom Lee¹, Taemyung Kwak¹, Geunho Yoo¹, Seong-Woo Kim², and Okhyun Nam¹ <i>¹Department of Nano & Semiconductor, Korea Polytechnic University, ²Adamant Namiki Precision Jewel Co., Ltd.</i></p>