



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 C (사파이어 I, 5층)

C. Material Growth & Characterization 분과

[WC1-C] Diamond and Compound Semiconductor

좌장: 김영덕 교수(경희대학교), 권순용 교수(UNIST)

WC1-C-1 09:00-09:30 [초청]	More Moore: Development of 2D Semiconductor Electrodes 권순용 울산과학기술원 신소재공학과
WC1-C-2 09:30-09:45	Wafer-scale Fabrication of Highly Ordered and High Quality GaN Nanorod Arrays for Optoelectronic Devices Hyesu Ryu ¹ , Hak-Jong Choi ² , Hyungjun Lim ² , Sang Wan Ryu ³ , and Sang Hyun Lee ¹ ¹ School of Chemical Engineering, Chonnam National University, ² Nano-Convergence Mechanical Systems Research Division, KIMM, ³ School of Physics, Chonnam National University
WC1-C-3 09:45-10:00	Ultra-high Vacuum MPCVD System for Quantum Technology Application Geunho Yoo ¹ , Taemyung Kwak ¹ , Uiho Choi ¹ , Sanghun Han ¹ , Seongmin Kang ¹ , Seolyoung Oh ¹ , Kyuseok Yeon ² , and Okhyun Nam ¹ ¹ Convergence Center for Advanced Nano Semiconductor, Tech University of Korea, ² Yeon Science
WC1-C-4 10:00-10:15	Diamond in-situ Etching and High-purity Epitaxial Regrowth for High-performance Near-surface NV Using Ultra-high Vacuum Microwave Plasma Chemical Vapor Deposition System Taemyung Kwak ¹ , Yong Soo Lee ² , Seongmin Kang ¹ , Seolyoung Oh ¹ , Sanghun Han ¹ , Uiho Choi ¹ , Geunho Yoo ¹ , Dongyeon Daniel Kang ² , Sangwook Han ² , and Okhyun Nam ¹ ¹ Department of Nano and Semiconductor Engineering, Tech University of Korea, ² Center for Quantum Information, KIST
WC1-C-5 10:15-10:30	Novel Methods for High-quality Heteroepitaxial Diamond Growth Technology Uiho Choi ¹ , Hyeonu Kang ¹ , Jongbeom Lee ¹ , Yeonghwa Kwon ¹ , Taemyung Kwak ¹ , Joocheol Jeong ¹ , Geunho Yoo ¹ , Seong-Woo Kim ² , and Okhyun Nam ¹ ¹ Department of Nano and Semiconductor Engineering, Tech University of Korea, ² Orbray Co., Ltd.