

제23회 한국반도체학술대회

2016년 2월 22일(월)-24일(수), 강원도 하이원리조트

C. Material Growth & Characterization 분과

Room C
함백 I (5층)

2016년 2월 24일(수) 10:10-11:40

[WC2-C] Materials Growth & Characterization : III-Nitrides and Si

좌장 : 송진동(KIST)

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| WC2-C-1 | 10:10-10:25 | 3차원 구조체의 질화물반도체를 이용한 무형광체 백색 발광다이오드 제작 및 분석
임승혁, 고영호, Christophe Rodriguez, 공수현, 조용훈
<i>한국과학기술원 물리학과</i> |
| WC2-C-2 | 10:25-10:40 | Statistical Analysis of GaN-based Light-Emitting Diodes Using Near-field Scanning Optical Microscopy and Cathodoluminescence
Minkwan Kim, Sunghan Choi, Joo-Hyung Lee, Chung-Hyun Park, and Yong-Hoon Cho
<i>Department of Physics and Graduate School of Nanoscience and Technology, KAIST</i> |
| WC2-C-3 | 10:40-10:55 | Enhanced Internal Quantum Efficiency of UVC $\text{Al}_x\text{Ga}_{1-x}\text{N}/\text{Al}_y\text{Ga}_{1-y}\text{N}$ Multiple Quantum Wells Grown on Polarization Free Nanostructure by HT-MOCVD
Jinwan Kim, Jaedo Pyeon, and Okyun Nam
<i>Convergence Center for Advanced Nano Semiconductor, Department of Nano-Optical Engineering Korea Polytechnic University</i> |
| WC2-C-4 | 10:55-11:10 | Annihilation Behavior of Planar Defects on Phosphorus-doped Silicon at Low Temperature
Dong-Hyun Im ^{1,2} , Yong In Kim ² , Myoung Ho Jeong ² , Kwang Wuk Park ² , Sung Kyu Kim ² , Jong Min Yuk ² , Woo Hyun Nam ² , Sang Yun Kim ² , Kong-Soo Lee ¹ , Ki-Vin Im ¹ , Han Jin Lim ¹ , and Jeong Yong Lee ²
<i>¹Process Development 2Team, Semiconductor Research and Development Center, Samsung Electronics Co. Ltd., ²Department of Materials Science and Engineering, KAIST</i> |
| WC2-C-5 | 11:10-11:25 | Characterization of The Strain Relaxation Behavior of SiGe Epitaxial Layer by Dry Oxidation
Hyunchul Jang, Byongju Kim, Sangmo Koo, Seran Park, and Dae-hong Ko
<i>Department of Materials Science and Engineering, Yonsei University</i> |
| WC2-C-6 | 11:25-11:40 | Estimation of Electrically Active Phosphorus Concentration by using The Impurity Distribution Function of Heavily Phosphorus-Doped Silicon
Minhyeong Lee, Sun-Wook Kim, Eunjung Ko, Hyunchul Jang, Sangmo Koo, and Dae-Hong Ko |

The 23rd Korean Conference on Semiconductors (KCS 2016)

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