

제23회 한국반도체학술대회

2016년 2월 22일(월)-24일(수), 강원도 하이원리조트

E. Compound Semiconductors 분과

Room K

청옥Ⅱ+Ⅲ(6층)

2016년 2월 23일(화) 15:10-17:10

[TK3-E] Advanced GaN Technology

좌장 : 권혁인(중앙대학교), 김규상(상지대학교)

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| TK3-E-1 | 15:10-15:25 | Fabrication and Characterization of GaN Vertical Nanowire FET
Chan Heo, Young-Woo Jo, Dong-Hyeok Son, Chul-Ho Won, Ryun-Hwi Kim, Quan Dai, Jae-Hwa Seo, In Man Kang, and Jung-Hee Lee
<i>Department of Sensor and Display Engineering, Graduate School, Kyungpook National University</i> |
| TK3-E-2 | 15:25-15:40 | 스위칭 전원회로용 Normally-off GaN-FET를 위한 캐스코드 회로 분석
정동윤, 이현수, 박영락, 김민기, 장현규, 전치훈, 고상춘, 남은수
<i>한국전자통신연구원 정보통신 부품소재연구소 GaN전력소자연구실</i> |
| TK3-E-3 | 15:40-15:55 | Flexible III-V Compound LED for the Future Consumer Electronics
Seung Hyun Lee, Han Eol Lee, and Keon Jae Lee
<i>Department of Materials Science and Engineering, KAIST</i> |
| TK3-E-4 | 15:55-16:10 | Steep Subthreshold Swing below 60mV/dec from AlGaIn/GaN FinFET
Young-Woo Jo, Dong-Hyeok Son, Chan Heo, Chul-Ho Won, Hee-Sung Kang, Ki-Sik Im, Jae Hwa Seo, In Man Kang, and Jung-Hee Lee
<i>School of electronics engineering, Kyungpook National University</i> |
| TK3-E-5 | 16:10-16:25 | 1/f -Noise Characteristics of Omega-shaped AlGaIn/GaN Nanowire FETs
Sindhuri Vodapally ¹ , Ki-Sik Im ^{1,2} , and Jung-Hee Lee ¹
¹ <i>School of Electronics Engineering, Kyungpook National University,</i>
² <i>Institute of Semiconductor Fusion Technology, Kyungpook National University</i> |
| TK3-E-6 | 16:25-16:40 | Interrelations between Performance Parameters of InGaIn/AlGaIn Near-Ultraviolet LEDs Depending on Strain Variation
A.B.M. Hamidul Islam ¹ , Hyo-Shik Choi ¹ , Dong-Soo Shin ² , and Jong-In Shim ¹
¹ <i>Department of Electronics and Communication Engineering, Hanyang University,</i> ² <i>Department of Applied Physics and Department of Bionanotechnology, Hanyang University</i> |