



제 29회 한국반도체학술대회

The 29th Korean Conference on Semiconductors

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

2022년 1월 26일(수), 10:45-12:15

Room H (하트 I, 6층)

E. Compound Semiconductors 분과 [WH2-E] Compound Semiconductor IV

좌장: 장우진 박사(ETRI)

<p>WH2-E-1 10:45-11:15</p>	<p>Resistive-switching and Photoelectrochemical Properties of Gallium Oxide Semiconductors Heejoong Ryou¹, Sunjae Kim^{1,2}, Dahee Seo¹, Youngbin Yoon³, Myunghun Shin³, and Wan Sik Hwang^{1,2} ¹Department of Materials Science and Engineering, Korea Aerospace University, ²Smart Drone Convergence, Korea Aerospace University, ³School of Electronics and Information Engineering, Korea Aerospace University</p>
<p>WH2-E-2 11:15-11:30</p>	<p>AlGaIn/GaN 이중접합 기반 상온 동작 수소 센서 연구 Won-Tae Choi¹, Jeong-Jin Kim², Tae-Hyun Park³, Jae-Hyun Hur³, and Ho-Young Cha^{1,2} ¹School of Electronic and Electrical Engineering, Hongik University, ²Metamaterial Electronic Device Research Center, Hongik University, ³Department of Chemical and Biological Engineering, Gachon University</p>
<p>WH2-E-3 11:30-11:45</p>	<p>Phase Change of Merged n-InAs(111) Thin Films Grown by Te-assisted Nanoscale ELOG Method Chang-Hun Song^{1,2}, Minwoo Kong^{2,3}, Hyunchul Jang¹, Sang Tae Lee¹, Hyeong-Ho Park¹, Chang Zoo Kim¹, Keun Man Song¹, Shinkeun Kim¹, Youngsu Choi¹, Dae-Hong Ko², and Chan-Soo Shin¹ ¹KANC, ²Department of Material Science and Engineering, Yonsei University, ³Department of Electrical and Computer Engineering, Seoul National University</p>
<p>WH2-E-4 11:45-12:00</p>	<p>AlGaIn/GaN/AlN DH-HEMT Structure with Nano-voids Embedded AlN Buffer Grown on SiC Substrate by High-temperature MOCVD Minho Kim, Keono Kim, Seongmin Kang, Yunseok Heo, Uiho Choi, and Okhyun Nam Convergence Center for Advanced Nano Semiconductor, Department of Nano-Semiconductor Engineering, Korea Polytechnic University</p>
<p>WH2-E-5 12:00-12:15</p>	<p>Investigation on Carrier Transport of In_{0.8}Ga_{0.2}As QW HEMTs at Low Temperature Ji-Hoon Yoo, Hyeon-Seok Jeong, Wan-Soo Park, Hyeon-Bin Jo, In-Geun Lee, and Dae-Hyun Kim School of Electronic and Electrical Engineering, Kyungpook National University</p>