



제 29회 한국반도체학술대회

The 29th Korean Conference on Semiconductors

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

2022년 1월 25일(화), 09:00-10:30

Room H (하트 I, 6층)

E. Compound Semiconductors 분과

[TH1-E] Compound Semiconductor I

좌장: 민병규 책임(ETRI)

<p>TH1-E-1 09:00-09:15</p>	<p>Monolithic 3D Integration of InGaAs HEMTs on Si CMOS for Analog/RF-Digital Mixed-Signal IC Jaeyong Jeong¹, Seong Kwang Kim¹, Jongmin Kim², Dae-Myeong Geum¹, Juyeong Park³, Jae-Hyung Jang^{3,4}, and Sanghyeon Kim¹ ¹School of Electrical Engineering, KAIST, ²Division of Device Technology, KANC, ³School of Electrical Engineering and Computer Science, GIST, ⁴School of Energy Engineering, KENTECH</p>
<p>TH1-E-2 09:15-09:30</p>	<p>Enhancement-mode AlGaIn/GaN HEMT Fabricated without Plasma Etching Process Won-Ho Jang, Jun-Hyeok Yim, Tea-Hyun Kim, and Ho-Young Cha School of Electrical and Electronic Engineering, Hongik University</p>
<p>TH1-E-3 09:30-09:45</p>	<p>Growth of AlGaIn/GaN HEMTs with AlGaIn Buffers on 100 & 150 mm SiC Substrates Dong Hyun Kim¹, Changhoon Song¹, Sang Tae Lee¹, Chuyoung Cho¹, Keun Man Song¹, Deoksoo Park¹, Won-Ho Jang², Ho-Young Cha², Junhyeok Lee³, Kyeongjae Lee³, Min Han³, Sang Min Lee³, Kyungho Park¹, and Chan-Soo Shin¹ ¹KANC, ²School of Electronic and Electrical Engineering, Hongik University, ³Wavice</p>
<p>TH1-E-4 09:45-10:00</p>	<p>Wafer-bonded InGaAs PhotoFET with Metal Gate Reflector on Si Soo Seok Kang, Dae-Hwan Ahn, Inho Lee, Won Jun Choi, Jindong Song, and Jae-Hoon Han Center for Opto-Electronic Materials and Devices, KIST</p>
<p>TH1-E-5 10:00-10:15</p>	<p>Wafer Bow Control of 150 mm AlGaIn/GaN HEMTs on Si for Power Devices Dong Hyun Kim, Haeyong Jeong, Byunghee Son, Changhoon Song, Sang Tae Lee, Keun Man Song, Deoksoo Park, Chan-Soo Shin, and Kyungho Park KANC</p>
<p>TH1-E-6 10:15-10:30</p>	<p>Effect of Plasma Treatment to AlGaIn/GaN HEMTs on SiC substrate Ju-Won Shin¹, Ki-Yong Shin¹, Walid Amir¹, Takuya Hoshi², Takuya Tsutsumi², Hiroki Sugiyama², Hideaki matsuzaki², and Tae-Woo Kim¹ ¹School of Electrical, Electronic and Computer Engineering, University of Ulsan, ²NTT Device Technology Laboratories, NTT Corporation</p>