

E. Compound Semiconductors 분과

2017년 2월 15일 (수), 15:25-17:10
Room D (크리스탈, 2층)

[WD4-E] WBG Characterization Technology

좌장: 장우진(한국전자통신연구원), 김정진(전북대학교)

WD4-E-1 15:25-15:40	Effect of TMAH Surface Treatment on AlGaIn/GaN HEMT Won-Sang Park, Do-Kywn Kim, Dong-Hyeok Son, Chul-Ho Won, Jun-Hyeok Lee, Ki-Sik Im, and Jung-Hee Lee <i>School of Electrical Engineering, Kyungpook National University</i>
WD4-E-2 15:40-15:55	Effects of Passivation Layers on Carrier Transport in AlGaIn/GaN HFETs Sejoon Oh, Taehoon Jang, and Jaehee Cho <i>School of Semiconductor and Chemical Engineering, Semiconductor Physics Research Center, Chonbuk National University</i>
WD4-E-3 15:55-16:10	Characterization of Heterojunction Interface Traps in AlGaIn/GaN HEMTs through Sub-Bandgap Photonic Response and Subthreshold Ideality Factor Jaewon Kim ¹ , Heesung Lee ¹ , Hagyoul Bae ² , Ogyun Seok ³ , Sung-Jun Choi ¹ , Dae Hwan Kim ¹ , and Dong Myong Kim ¹ <i>¹School of Electrical Engineering, Kookmin University, ²School of Electrical Engineering, KAIST, ³Korea Electrotechnology Research Institute</i>
WD4-E-4 16:10-16:25	Leakage Current Reduction of Gated Ohmic Anode AlGaIn/GaN Schottky Barrier Diode by Applying Anode Edge Termination Ra-Seong Ki ¹ , Min-Woo Kong ¹ , Jun-Seok Jung ¹ , Ho-Young Cha ² , and Kwang-Seok Seo ¹ <i>¹Department of Electrical Engineering and Computer Science, Seoul National University, ²Department of Electronic and Electrical Engineering, Hongik University</i>
WD4-E-5 16:25-16:40	Current Collapse-Free AlGaIn/GaN Nanowire Gate-All-Around FETs Chul-Ho Won, Sindhuri Vodapally, Ki-Sik Im, and Jung-Hee Lee <i>School of Electronics Engineering and Institute of Semiconductor Fusion Technology, Kyungpook National University</i>
WD4-E-6 16:40-16:55	Photoresist Removal on GaAs Surface Using Organic Solvents Eunseok Oh, Sehyun Oh, Junwoo Lee, and Sangwoo Lim <i>Department of Chemical and Biomolecular Engineering, Yonsei University</i>
WD4-E-7 16:55-17:10	High-Performance In_{0.53}Ga_{0.47}As-OI MOSFET on Si Substrates Seong Kwang Kim ^{1,2} , Jae-Phil Shim ¹ , Dae-Myeong Geum ^{1,3} , Chang Zoo Kim ⁴ , Han-Sung Kim ¹ , Yeon-Su Kim ¹ , Hang-Kyu Kang ¹ , Jin-Dong Song ¹ , Sung-Jin Choi ² , Dae Hwan Kim ² , Won Jun Choi ¹ , Hyung-jun Kim ¹ , Dong Myong Kim ² , and SangHyeon Kim ¹ <i>¹Korea Institute of Science and Technology, ²School of Electrical Engineering, Kookmin University, ³Department of Materials Science and Engineering, Seoul National University, ⁴Korea Advanced Nano Fab Center</i>