E. Compound Semiconductors 분과

2017년 2월 14일 (화), 16:00-17:30
Room D (크리스탈, 2층)

[TD3-E] WBG Power Device

좌장: 문재경(한국전자통신연구원), 장태훈(전북대학교)

TD3-E-1 **16:00-16:15**	**PECVD SiON for Normally-off AlGaN/GaN-on-Si Recessed MIS-HFETs** Hyun-Seop Kim[1], Sang-Woo Han[1], Won-Ho Jang[1], Kwang-Seok Seo[2], and Ho-Young Cha[1] *[1]School of Electronic and Electrical Engineering, Hongik University, [2]Department of Electrical Engineering and Computer Science, Seoul National University*
TD3-E-2 **16:15-16:30**	**Normally-off GaN-based MOSFET realized by TMAH Solution for both Selective Recess and Etch Stop Processes** Dong-Hyeok Son, Young-Woo Jo, Won-Sang Park, Chan Heo, Chul-Ho Won, Dai Quan, Jeong-Gil Kim, Jae Hwa Seo, In Man Kang, and Jung-Hee Lee *School of electronics engineering, Kyungpook National University*
TD3-E-3 **16:30-16:45**	**Study for Reliability of Threshold Voltage in E-Mode AlGaN / GaN MOS-HEMT with Al_2O_3 Dielectric** Il-Hwan Hwang[1], Kwang-Ho Choi[1], Ho-Young Cha[2], and Kwang-Seok Seo[1] *[1]Seoul national University and ISRC. Department of Electrical and Computer Engineering, [2]Hongik University. Electronic and Electrical Engineering*
TD3-E-4 **16:45-17:00**	**600 V/10A GaN Power Transistors for High Efficiency and Power Density** Hyung-Seok Lee, Hyun-Gyu Jang, Jeho Na, JinSig Kim, Seong-Bum Bae, Woojin Chang, Eunsoo Nam, and Jae-Kyoung Mun *GaN Power Electronics Research Section, Electronics and Telecommunications Research Institute*
TD3-E-5 **17:00-17:15**	**A Low Forward Voltage Drop of 4H-SiC TSBS Employing Poly-Si/Ni Dual Metals** 김동영[1,2], 박힘찬[2], 방욱[2], 박기철[1], 석오균[2] *[1]경상대학교 반도체 공학과, [2]한국전기연구원 전력반도체연구센터*
TD3-E-6 **17:15-17:30**	**Investigation of Threshold Voltage Variation under Negative-Bias Stress Condition of SiC Double-Implanted MOSFETs** Sangwon Baek[1], Bo Jin[1], Junyoung Lee[1], Jiwon Kim[1], Hyeongwan Oh[1], Chanoh Park[2], Donghoon Kim[1], and Jeong-Soo Lee[1] *[1]Department of Electrical Engineering, Pohang University of Science and Technology, [2]Division of IT Convergence Engineering, Pohang University of Science and Technology*