



E. Compound Semiconductors 분과

2019년 2월 15일(금), 09:00-10:45

Room H (루비1+2, 5층)

[FH1-E] Compound Device Technology

좌장: 장태훈 교수(전북대학교)

<p>FH1-E-1 09:00-09:15</p>	<p>Pd 촉매와 AlGaIn/GaN 이종접합 트랜지스터를 이용한 수소가스 센서 연구 June-Heang Choi, Min-Gi Jo, Hyungtak Kim, Eun-Hyeok Lim, Jun-Hyeok Yim, and Ho-Young Cha <i>School of Electronic and Electrical Engineering, Hongik University</i></p>
<p>FH1-E-2 09:15-09:30</p>	<p>SiC-Based Avalanche Photodiodes in Geiger Mode Operation for Detection of Hazardous Airborne Biological Components Eugene Chong, Young Jin Koh, Hyunwoo Nam, JinHo Park, JinYeong Ryu, Seok Jong Oh, and Byeong Hwang Park <i>Chem-Bio detection Team, ADD</i></p>
<p>FH1-E-3 09:30-09:45</p>	<p>$L_g = 27$ nm InGaAs/InAlAs High-Electron Mobility Transistors with both f_T and f_{max} in Excess of 700 GHz Hyeon-Bhin Jo¹, Do-Young Yun¹, Ji-Min Baek¹, Jung-Hee Lee¹, Tae-Woo Kim², Dae-Hyun Kim¹, Takuya Tsutsumi³, Hiroki Sugiyama³, and Hideaki Matsuzaki³ ¹<i>School of Electronics Engineering, Kyungpook National University,</i> ²<i>University of Ulsan,</i> ³<i>NTT Device Technology Laboratories, Japan</i></p>
<p>FH1-E-4 09:45-10:00</p>	<p>Source/Drain Design for Heat Shunting in 3D Integrated InGaAs MOSTFETs Sang Hyeon Kim^{1,2}, Seong Kwang Kim¹, Sang Hoon Shin³, Jae-Hoon Han¹, Dae-Myeong Geum¹, Jae-Phil Shim¹, Subin Lee¹, Han Sung Kim¹, Gunwu Ju¹, Jin Dong Song¹, M. A. Alam³, and Hyung-Jun Kim¹ ¹<i>KIST,</i> ²<i>School of Electrical Engineering, KAIST,</i> ³<i>Department of ECE, Purdue University, USA</i></p>
<p>FH1-E-5 10:00-10:15</p>	<p>InGaAs-Based Heterojunction Phototransistors for High-Speed and Low-Noise SWIR Imaging Min-Su Park and Young-Kyu Hong <i>Nano convergence Research Center, KETI</i></p>
<p>FH1-E-6 10:15-10:30</p>	<p>Pulse and Noise Characteristics of GaN Vertical Nanowire Transistor Dong-Hyeok Son, Jun-Hyeok Lee, Jeong-Gil Kim, Chul-Ho Won, Seung-Hyeon Kang, Ki-Sik Im, and Jung-Hee Lee <i>School of Electronics Engineering, Kyungpook National University</i></p>
<p>FH1-E-7 10:30-10:45</p>	<p>High linearity Double-Channel AlGaIn/GaN FinFET Jun-Hyeok Lee, Jung-Min Ju, Kyung-Wan Kim, Seung-Hyeon Kang, Jeong-Gil Kim, Dong-Hyeok Son, Hyeon-Su Lee, Yong-Soo Lee, and Jung-Hee Lee <i>School of Electronics Engineering, Kyungpook National University</i></p>