



F. Silicon and Group-IV Devices and Integration Technology **분과**

2019년 2월 15일(금), 11:00-12:30

Room C (가람홀, 2층)

[FC2-F] Negative Capacitance and Ferro-Electric FETs

좌장: 김경록 교수(UNIST), 김상완 교수(아주대학교)

<p>FC2-F-1 11:00-11:15</p>	<p>Optical Simulation of Negative Capacitance Optical Phase Shifter Jae-Hoon Han¹, Pavlo Bidenko^{1,2}, Jin Dong Song^{1,2}, and Sanghyeon Kim^{1,2,3} <i>¹KIST, ²University of Science and Technology, ³School of Electrical Engineering, KAIST</i></p>
<p>FC2-F-2 11:15-11:30</p>	<p>Study of the Reverse Sweep Operation of Positive Feedback Field Effect Transistor Changhoon Lee and Changhwan Shin <i>Department of Electrical and Computer Engineering, Sungkyunkwan University</i></p>
<p>FC2-F-3 11:30-11:45</p>	<p>Electrical Simulation of Negative Capacitance Optical Phase Shifters Pavlo Bidenko¹, Jae-Hoon Han¹, Jin Dong Song^{1,2}, and Sanghyeon Kim^{1,2,3} <i>¹KIST, ²University of Science and Technology, ³School of Electrical Engineering, KAIST</i></p>
<p>FC2-F-4 11:45-12:00</p>	<p>Impact of Ferroelectric Polarization Switching on FD-SOI Device Chan Keun Yoon¹ and Changhwan Shin² <i>¹Department of Electrical and Computer Engineering, University of Seoul, ²Department of Electrical and Computer Engineering, Sungkyunkwan University</i></p>
<p>FC2-F-5 12:00-12:15</p>	<p>Experimental Investigation on Drain-Induced-Barrier-Lowering in Hysteresis-Free Ferroelectric-Gated FinFET Jaemin Shin¹, Eunah Ko¹, and Changhwan Shin² <i>¹Department of Electrical and Computer Engineering, University of Seoul, ²Department of Electrical and Computer Engineering, Sungkyunkwan University</i></p>
<p>FC2-F-6 12:15-12:30</p>	<p>Study of Random Dopant Fluctuations Effects in PNP Feedback FET Jaesoo Park and Changhwan Shin <i>Department of Electrical and Computer Engineering, Sungkyunkwan University</i></p>