



제25회 한국반도체학술대회

The 25th Korean Conference on Semiconductors

2018년 2월 5일(월)-7일(수), 강원도 하이원리조트 컨벤션 호텔

2018년 2월 6일(화), 14:10-15:55

Room G (봉래III+III, 6층)

G. Device & Process Modeling, Simulation and Reliability 분과

[TG2-G] Modeling and Simulation I - Nano Devices

<p>TG2-G-1 14:10-14:40</p>	<p>[초청] Atomistic Simulations of Nanoscale Field Effect Transistors Mincheol Shin <i>School of Electrical Engineering, KAIST</i></p>
<p>TG2-G-1 14:10-14:40</p>	<p>[초청] Atomistic Simulations of Nanoscale Field Effect Transistors Mincheol Shin <i>School of Electrical Engineering, KAIST</i></p>
<p>TG2-G-2 14:40-14:55</p>	<p>Modeling and Analysis of Work Function Variation in Nanowire FET Kyuil Ko¹, Myounggon Kang², and Hyungcheol Shin¹ <i>¹ISRC and School of Electrical Engineering and Computer Science, Seoul National University, ²Department of Electronics Engineering, Korea National University of Transportation</i></p>
<p>TG2-G-3 14:55-15:10</p>	<p>Atomic Structure and Electronic Properties of Ge Nanowires along [100], [110] [111] Directions; Density Functional Study Kai Liu^{1,2}, Eunjung Ko¹, Cheol Seong Hwang², and Jung-Hae Choi¹ <i>¹Center for Electronic Materials, Korea Institute of Science and Technology, ²Department of Materials Science and Engineering and ISRC, Seoul National University</i></p>
<p>TG2-G-4 15:10-15:25</p>	<p>An Efficient Method for Subband Calculation of Nanowire Transistors Using a Coordinate Transformation Geon-Tae Jang and Sung-Min Hong <i>School of Electrical Engineering and Computer Science, GIST</i></p>
<p>TG2-G-5 15:25-15:40</p>	<p>Optimization of Nanowire Design according to Trap Quality of Spacer Dielectric for Performance of GAA Nanowires FET Dong Geun Park, Kwan Hyun Cho, Dong Hyun Kim, Soo Hyun Kim, and Jae Woo Lee <i>ICT Convergence Technology for Health & Safety and Department of Electronics and Information Engineering, Korea University</i></p>
<p>TG2-G-6 15:40-15:55</p>	<p>Device Optimization of Nanosheet Transistors for 3.5 nm Technology Node Ju-Hyun Kim¹, Myounggon Kang², and Hyungcheol Shin¹ <i>¹ISRC and School of Electrical Engineering, Seoul National University, ²Computer Science, Seoul National University</i></p>