



G. Device & Process Modeling, Simulation and Reliability 분과

2021년 1월 27일(수), 10:45-12:15 / 채널 D

[WD2-G] Neural Network and Advanced Modeling

좌장: 김대환 교수 (국민대학교), 우지용 교수 (경북대학교)

<p>WD2-G-1 10:45-11:15</p>	<p>[초청] Atomistic Molecular Dynamics Simulation for Semiconductor Processes Using Neural Network Potentials</p> <p>Kyeongpung Lee, Jisu Jung, Wonseok Jeong, Dongheon Lee, and Seungwu Han <i>Department of Materials Science and Engineering, Seoul National University</i></p>
<p>WD2-G-2 11:15-11:30</p>	<p>Learning to Generate an Approximate Electrostatic Potential Profile of a MOSFET with an Unstructured Mesh</p> <p>Seung-Cheol Han and Sung-Min Hong <i>School of Electrical Engineering and Computer Science, GIST</i></p>
<p>WD2-G-3 11:30-11:45</p>	<p>Novel Method of Training High-Current 1S1R Crossbar Array for Hardware Neural Networks</p> <p>Jihun Kim^{1,2}, Hyocheon Woo^{1,2}, Gil Seop Kim^{1,2}, Chanyoung Yoo^{1,2}, and Cheol Seong Hwang^{1,2} ¹<i>Department of Materials Science and Engineering, Seoul National University,</i> ²<i>Inter-University Semiconductor Research Center, Seoul National University</i></p>
<p>WD2-G-4 11:45-12:00</p>	<p>Extraction of Interface Traps over the Bandgap through Photovoltaic and Photoconductive Effects in Si MOSFETs under Optical Excitation</p> <p>Ji Hee Ryu, Han Bin Yoo, Jintae Yu, Haesung Kim, Jong-Ho Bae, Sung-Jin Choi, Dae Hwan Kim, and Dong Myong Kim <i>School of Electrical Engineering, Kookmin University</i></p>
<p>WD2-G-5 12:00-12:15</p>	<p>High-Field Transport Properties in $(\text{Al}_x\text{Ga}_{1-x})_2\text{O}_3/\text{Ga}_2\text{O}_3$ Based Modulation Doped Heterostructures</p> <p>Suhyeong Cha and Sung-Min Hong <i>School of Electrical Engineering and Computer Science, GIST</i></p>