



## Future Normal in Semiconductor

2025-02-14(금), 09:00-10:45

좌장: 추후업데이트 예정

### V. Quantum Technology 분과

#### [FF1-V] Quantum Technology 2

<p>초청 FF1-V-1 09:00-09:30</p>	<p><b>Thin-file lithium Niobate Photonic Integrated Circuit for Quantum Technology</b> Kiwon Moon, Guhwan Kim, Tetiana Slusar, Hong-Seok Kim, Jaegyung Park, Jinwoo Kim, Jiho Park, Jin Tae Kim, Min-su Kim, and Jung Jin Ju Quantum Sensing Research Section, ETRI</p>
<p>FF1-V-2 09:30-09:45</p>	<p><b>Effects of Light-induced Charging to Trapped Ions at Cryogenic Temperatures</b> Junhee Cho, Sangsoo Han, Keumhyun Kim, Sehyeon Gwon, Hyegoo Lee, Yongha Shin, Myunghun Kim, and Moonjoo Lee Department of Electrical Engineering, POSTECH</p>
<p>FF1-V-3 09:45-10:00</p>	<p><b>Construction of an Optical Conveyor Belt and Optical Lattices in Atom-Cavity System</b> Dowon Lee, Donggeon Kim, Uijin Kim, Taegyung Ha, Eunchul Jeong, and Moonjoo Lee Department of Electrical Engineering, POSTECH</p>
<p>초청 FF1-V-4 10:00-10:30</p>	<p><b>Optomechanical Manipulation of Mechanical Fluctuations</b> Mungyeong Jeong and Junho Suh Department of Physics, POSTECH</p>
<p>FF1-V-5 10:30-10:45</p>	<p><b>Thermodynamic Modelling of Energy Dissipation in Superconducting Qubits based on Multi-physics Analysis</b> Sung-Hyun Oh<sup>1</sup>, Chang-Hyun Kim<sup>1</sup>, and Eun-Ho Lee<sup>1,2</sup> <sup>1</sup>Department of Mechanical Engineering, Sungkyunkwan University, <sup>2</sup>Department of Smart Fab. Technology, Sungkyunkwan University</p>