

[TS10W2]**Nanoelectronic and Quantum Devices 2**

Date & Time	July 3(Wed.), 2024 / 15:40–17:55
Place	Room 206A
Session Chair(s)	Jun Woo Choi (KIST)

TS10W2_I_1 *Invited 15:40–16:10**Hole-Based Spin Qubits in Semiconductor Quantum Dot Systems**

Yun-Pil Shim

*(The University of Texas at El Paso)***TS10W2_I_2 *Invited 16:10–16:40****Superconducting Cavity Electromechanics for Quantum Sensing**

Junho Suh

*(POSTECH)***TS10W2_I_3 *Invited 16:40–17:10****Hamiltonian Engineering for Fixed-Frequency Superconducting Qubits**

Yosep Kim

*(Korea University)***TS10W2_O_4 17:10–17:25****Optimization of Multilayer TiO₂/HfO₂ RRAM Structure with Self-Rectifying Characteristics**

Chan-Hyeok Nam, Da Gyo Yoo, Gyu Beom Kim, and Myung-Hyun Baek

*(Gangneung-Wonju National University)***TS10W2_O_5 17:25–17:40****Tilt-Engineered Molecular-Scale Selector Capable of Enhancing Pattern Recognition Accuracy**Jung Sun Eo¹, Jaeho Shin², Takkyeong Jeon¹, Jingon Jang¹, and Gunuk Wang¹*(¹Korea University, ²Rice University)***TS10W2_O_6 17:40–17:55****Investigation of the Effects of External Temperature Variations on Feedback Field Effect Transistor and Sensitivity Analysis of the Device**

Hangwook Jeong, Minseon Park, and Min-Woo Kwon

(Gangneung-Wonju National University)