

[TS10W1]

Nanoelectronic and Quantum Devices I

Date & Time	July 3(Wed.), 2024 / 09:00–10:15
Place	Room 206A
Session Chair(s)	Hyo Won Kim (SAIT)

TS10W1_I_1 *Invited 09:00–09:30

Semiconductor Technology for Quantum Computing

Silvano De Franceschi

(Grenoble Alpes University)

TS10W1_O_2 09:30–09:45

Link between T-Linear Resistivity and Quantum Criticality in Ambipolar Black Phosphorus

Nasir Ali¹, Fida Ali², Hyokwang Park¹, and Won Jong Yoo¹

(¹Sungkyunkwan University, ²Aalto University)

TS10W1_O_3 09:45–10:00

Mitigating Pass Gate Effect in Buried Channel Array Transistors through Buried Oxide Integration: Addressing Interference Phenomenon between Word Lines

Young Myeong Cho, Yeon Seok Kim, and Min-Woo Kwon

(Gangneung-Wonju National University)

TS10W1_O_4 10:00–10:15

Downscaling Effects on Resistivity of Topological Metal Nanowire for Energy-Efficient Interconnects

Hyeuk Jin Han

(Sungshin Women's University)