[TS01T3]

Nanoelectronics 3

Date & Time	July 9(Thu.), 2026 / 09:30-11:30
Place	Room 207
Session Chair(s)	Prof. Young-Gwan Choi (University of Ulsan)

TS01T3_I_1 ***Invited** 09:30-10:00

Hybrid Circuits with Van-Der-Waals Superconductors

Uri Vool
(Max Planck Institute for Chemical Physics of Solids)

TS01T3_I_2 ***Invited** 10:00-10:30

Quantum Acoustics for Deterministic Single-Electron-to-Single-Photon Conversion

Jikhyeon Ham[1,2], Yong-Gwon Kim[1,2], and Seok-Kyun Son[1,2]
([1]Kyung Hee University, [2]Korea University)

TS01T3_O_3 10:30-10:45

PEALD-Grown Metal-Doped HfO_2 Ferroelectric Thin Films for Negative-Capacitance FETs

Hyewon Lee[1,2] and Jungwook Lim[1,2]
([1]University of Science and Technology, [2]Electronics and Telecommunications Research Institute)

TS01T3_O_4 ***YSA Applied** 10:45-11:00

In-Line Fiber-Integrated Quantum Dot Device for Indistinguishable Single Photons

Dong Hyun Park[1], Byung Guk Ahn[1], Woong Bae Jeon[1], Kyu Young Kim[1], Jin Dong Song[2], and Je Hyung Kim[1]
([1]Ulsan National Institute of Science and Technology, [2]Korea Institute of Science and Technology)

TS01T3_O_5 11:00-11:15

High Performance Tellurium Transistors through Source/Drain SBH Engineering Employing Oxygen Scavenging Y_2O_3-Based MIS Contact Structure

YoungWoo Cho and Hyun-Yong Yu
(Korea University)

TS01T3_O_6 ***YSA Applied** 11:15-11:30

Electrical Control of Single Photon Emitters in WSe_2 on Si Nanopyramid with Negligible Stark Effect

Satyabrat Behera[1], Jong Sung Moon[1,2], Kirlie Iulius Figuera Michal[1], Jaesung Heo[1], Jaehyun Lee[1], Joon-Mo Yang[1], Je-Hyung Kim[1], and Seon Namgung[1]
([1]Ulsan National Institute of Science and Technology, [2]Electronics and Telecommunications Research Institute)