Monday, September 26

13:00-17:30
Short Course A (201) : Scaling and monolithic vs. heterogeneous integration for advanced, future technology nodes
Short Course B (301) : Recent advances in ultra-wide-bandgap semiconductors

Tuesday, September 27

9:00-11:10 (Convention Hall) : **Opening & Award Ceremony & Plenary Session 1**

101	102	103	104	105	201	301	302	303	304
		11:30 ~ 12:15 [C-1] Energy Harvesting Devices	**11:30 ~ 12:30** [D-1] Micro/Nano Technologies for Biosensing and Interfaces	**11:30 ~ 12:45** [E-1] Emerging Thin Film Devices and Technologies	**11:30 ~ 12:30** [F-1] Ferroelectric Memory Materials	**11:30 ~ 12:45** [G-1] Cryo-CMOS	**11:30 ~ 12:30** [H-1] Characterization I: Low Dimensional Devices and Materials	**11:30 ~ 12:30** [J-1] Advanced Technologies for GaN Devices	**11:30 ~ 12:30** [K-1] 3D Integration and Advanced Packaging I

Lunch Break

101	102	103	104	105	201	301	302	303	304
14:00 ~ 15:30 [A-2] New Materials and Platforms for Photonics	**14:00 ~ 15:45** [B-2] Wide Bandgap Materials	**14:00 ~ 15:30** [C-2] Inorganic Semiconductor Materials & Applications	**14:00 ~ 15:45** [D-2] Biosensor, Chips and Microfluidic Devices for Cell Functions	**14:00 ~ 16:00** [E-2] Advanced Group IV Thin Film Devices and Technologies	**14:00 ~ 15:30** [F-2] PCM, MRAM, and RRAM	**14:00 ~ 16:00** [G-2] Modeling, Simulation and Characterization	**14:00 ~ 15:45** [H-2] Novel Function Devices	**14:00 ~ 15:30** [J-2] GaN-based High-speed Devices	**14:00 ~ 15:15** [K-2] Advanced Sensor Systems

Break

101	102	103	104	105	201	301	302	303	304
	16:15 ~ 18:00 [B-3] Group IV Materials I	**16:15 ~ 18:00** [C-3] Perovskite Solar Cells	**16:15 ~ 18:00** [D-3] Advanced Technologies for Bio- and Chemical Sensing	**16:15 ~ 18:00** [E-3] Oxide Semiconductor TFT	**16:15 ~ 18:00** [F-3] Ferroelectric Devices	**16:15 ~ 17:45** Area3&5&12 [G-3] Quantum Computing I Focus Session 1	**16:15 ~ 18:00** [H-3] Characterization II: Low Dimensional Devices and Materials	**16:15 ~ 17:45** [J-3] High-speed Devices	**16:15 ~ 17:45** Area3&5&12 [K-3] Design, Process, and Technology for High-performance Chiplet I Focus Session 3

Break

18:30-20:30 (Convention Hall) : **Complimentary Reception** * On-site Event

Wednesday, September 28

101	102	103	104	105	201	301	302	303	304
		09:00 ~ 10:15 [C-4] Battery, Photocatalyst, Photodetector		**09:00 ~ 11:15** Area1&10 [E-4] Oxide Semiconductors for Logic and Memory Applications Joint Session	**09:00 ~ 10:15** [F-4] Emerging Memory Devices	**09:00 ~ 10:15** Area1&2&9 [G-4] Quantum Computing II Focus Session 1	**09:00 ~ 10:00** [H-4] Device Application I: Low Dimensional Devices and Materials	**09:00 ~ 10:15** [J-4] Ultrawide Bandgap Semiconductor Devices	**09:00 ~ 10:15** [K-4] Design, Process, and Technology for High-performance Chiplet II/3D Integration and Advanced Packaging II

Break

101	102	103	104	105	201	301	302	303	304
10:45 ~ 12:15 [A-5] UV Sources and Detectors	**10:45 ~ 12:00** [B-5] Advanced Materials, Nanofabrication and Thin Films I	**10:45 ~ 12:00** Area1&2&9 [C-5] Quantum Computing III Focus Session 1	**10:45 ~ 12:15** [D-5] Transistor Technologies for Biological and Electrochemical Applications		**10:45 ~ 12:00** [F-5] 3D NAND Flash Memory	**10:45 ~ 12:15** [G-5] Image Sensor Technology	**10:45 ~ 11:45** [H-5] Device Application II: Low Dimensional Devices and Materials	**10:45 ~ 12:00** [J-5] SiC Processes and Characterizations	**10:45 ~ 12:00** [K-5] Advanced Neuron and AI Systems

Lunch Break

101	102	103	104	105	201	301	302	303	304
13:30 ~ 15:45 [A-6] III-V Light Sources	**13:30 ~ 15:15** [B-6] Advanced Materials, Nanofabrication and Thin Films II	**13:30 ~ 15:30** Area1&2&9 [C-6] Quantum Computing IV Focus Session 1	**13:30 ~ 15:30** [D-6] Functional Devices and Application	**13:30 ~ 15:30** [E-6] Advanced Oxide Sensors	**13:30 ~ 15:00** [F-6] Charge-Based Memory Devices for AI Applications	**13:30 ~ 15:15** Area1&2 [G-6] Ferroelectric Devices Joint Session	**13:30 ~ 15:00** [H-6] Growth and Synthesis: Low Dimensional Devices and Materials	**13:30 ~ 15:45** [J-6] Interface Technologies	**13:30 ~ 15:30** [K-6] MEMS and Advanced Metallization I

Break

16:00-17:30 (Convention Hall) : **Plenary Session 2**

Break

18:00-20:00 (Convention Hall) : **Rump Session** * On-site Event

Thursday, September 29

101	102	103	104	105	201	301	302	303	304
				9:00 ~ 10:45 [E-7] MEMS and Advanced Metallization II	**09:00 ~ 10:15** [F-7] In-Memory and Unconventional Computing	**09:00 ~ 10:15** [G-7] Advanced CMOS: Device Technology			**09:00 ~ 10:15** [K-7] Advanced Systems with Innovative Devices

Break

101	102	103	104	105	201	301	302	303	304
	10:45 ~ 12:00 [B-8] Group IV Materials II	**10:45 ~ 12:00** [C-8] Spintronics I	**10:45 ~ 12:00** [D-8] Optoelectronics and Thermoelectronic Devices		**10:45 ~ 12:00** [F-8] Memory Devices for New Applications	**10:45 ~ 11:45** [G-8] Ferroelectric Material and Process	**10:45 ~ 12:00** [H-8] Device Application III: Low Dimensional Devices and Materials	**10:45 ~ 12:00** [J-8] Si and SiC Power Devices	**10:45 ~ 12:00** Area1&12 [K-8] Innovative Devices and Systems for Advanced Imaging and Sensing Joint Session

Lunch Break

101	102	103	104	105	201	301	302	303	304
13:30 ~ 15:15 [A-9] Imaging Sensors and Detectors		**13:30 ~ 15:30** [C-9] Thermoelectric Devices			**13:30 ~ 15:15** Area1&2&8 [F-9] CMOS and Memory Applications of Low Dimensional Materials I Focus Session 2			**13:30 ~ 15:00** [J-9] GaN Power Devices	**13:30 ~ 15:15** [K-9] Advanced Device-based Circuits and Power Management Systems

Break

101	102	103	104	105	201	301	302	303	304
16:00 ~ 18:00 [A-10] Integrated Photonic Devices		**16:00 ~ 17:30** [C-10] Spintronics II			**16:00 ~ 17:45** Area1&2&8 [F-10] CMOS and Memory Applications of Low Dimensional Materials II Focus Session 2	**16:00 ~ 18:00** [G-10] Advanced CMOS: Device, Process and Material		**16:00 ~ 17:45** [J-10] DRAM, SRAM, and 3D NAND	

Area Scope

Area 1: Advanced CMOS: Material Science / Process Engineering / Device Technology
Area 2: Advanced and Emerging Memories / New Applications
Area 3: Interconnect / 3D Integrations / MEMS
Area 4: Power / High-speed Devices and Materials
Area 5: Photonics: Devices / Integration / Related Technology
Area 6: Photovoltaics / Energy Harvesting / Battery-related Technology

Area Scope

Area 7: Organic / Molecular / Bio-electronics
Area 8: Low Dimensional Devices and Materials
Area 9: Novel Functional / Quantum / Spintronic Devices and Materials
Area 10: Thin Film Electronics: Oxide / Non-single Crystalline / Novel Process
Area 11: Advanced Materials: Synthesis / Crystal Growth / Characterization
Area 12: Advanced Circuits / Systems Interacting with Innovative Devices and Materials