

	Time	Session 1			
Mon. Dec. 14	8AM-9:00AM	Plenary 1 - Future Logic Scaling: Towards Atomic Channels and Deconstructed Chips, S. B. Samavedam, imec			
	Time	Session 2	Session 3	Session 4	Session 5
Mon. Dec. 14	9:30AM-10:30AM	Advanced Logic Technology: High-mobility Channel devices	Emerging Device and Compute Technology - Emerging Devices for Extending Moore's Law	Modeling and Simulation - Ferroelectric switching dynamics and device applications	Power Devices and Systems - Recent Advances in Power Electronic Devices
	Time	Session 6	Session 7	Session 8	Session 9
Mon. Dec. 14	11AM-112:10PM	Memory Technology - Charge Based Memories	Optoelectronics, Displays, and Imaging Systems - Integrated Photonics	Microwave, Millimeter Wave, and Analog Technology - Compound Semiconductor Devices and Technologies	Reliability of Systems and Devices - Reliability challenges from transistors to products
		Session 10			
Tues Dec. 15	8AM-9:00AM	Plenary 2: Memory Technology: Innovations needed for continued technology scaling and enabling advanced computing systems, Naga Chandrasekaran, Micron			
	Time	Session 11	Session 12	Session 13	Session 14
Tues Dec. 15	9:30AM-10:30AM	Memory Technology - STT-MRAM Technology	Emerging Device and Compute Technology - Applications for 2D materials and carbon nanotubes beyond simple CMOS transistors	: Modeling and Simulation - Modeling and Simulation - Emerging Non-Volatile Memories and 3D Integration	Sensors, MEMS, and Bioelectronics - Biomedical Micro/Nano-Devices
	Time	Session 15	Session 16	Session 17	Session 18
Tues Dec. 15	11AM-12PM	Advanced Logic Technology - 3D technologies	Optoelectronics, Displays, and Imaging Systems - Image Sensors	Microwave, Millimeter Wave, and Analog Technology - System and technology for mm-wave applications	Memory Technology - Ferroelectric Memory
		Session 19			
Wed Dec 16	8AM-9:00AM	Plenary 3: Symbiosis of Semiconductors, AI and Quantum Computing, S.W. Hwang, Samsung Advanced Institute of Technology			
	Time	Session 20	Session 21	Session 22	Session 23
Wed Dec 16	9:30AM-10:30AM	Advanced Logic Technology - Scaling booster	Emerging Device and Compute Technology - Beyond CMOS devices for low power and their physics	Modeling and Simulation - Novel Channel Materials and Atomistic Modeling	Power Devices and Systems - Reliability and robustness in Wide Band Gap devices
	Time	Session 24	Session 25	Session 26	Session 27
Wed Dec 16	11AM-12:20PM	Memory Technology - Emerging memory (PCRAM/RRAM/MRAM)	Focus Session: Emerging Device and Compute Technology - Device technologies for cryogenic electronics	Sensors, MEMS, and Bioelectronics - Sensors and Advanced materials for Microsystems	Focus Session: Power Devices and Systems - GaN and SiC projections - From device to system integration

	Time	Panel Discussion:			
Thurs Dec 17	7:30AM-9:00AM	What can electronics do to help solve grand societal challenges			
	Time	Session 28	Session 29	Session 30	Session 31
	9:30AM-10:30AM	Memory Technology - 3D memories and selectors for novel applications	Emerging Device and Compute Technology - Emerging technologies for in-memory and artificial intelligence	Modeling and Simulation - Quantum and In-memory Computing	Reliability of Systems and Devices - Reliability of Emerging Technologies
	Time	Session 32	Session 33	Session 34	Session 35
	11AM-12:10PM	Focus Session 32: Advanced Logic Technology - Future interconnect technology (ALT)	Optoelectronics, Displays, and Imaging Systems - Emerging Optoelectronic Devices and Systems	Focus Session 34: Microwave, Millimeter Wave, and Analog Technology - Technologies enabling 5G and beyond	MEMS, and Bioelectronics - Chemical and Biochemical Sensors
	Time	Career Session			
Fri Dec 18	8AM-9:00AM	Tsu-Jae King Liu, Dean and Roy W. Carlson Professor of Engineering, University of California, Berkeley Heike Riel, IBM Fellow, Head Science & Technology, Lead IBM Research Quantum Europe, IBM Research			
	Time	Session 36	Session 37	Session 38	Session 39
Fri Dec 18	9:30AM-10:40AM	Memory Technology - Memory devices for in-memory AI computation	Focus Session 37: Sensors, MEMS, and Bioelectronics - Energy harvesting and wireless power transmission	Emerging Device and Compute Technology - Beyond Classical Computing - Advancements in Quantum Technology and Stochastic Computing	Reliability of Systems and Devices - Aging and Reliability of Memory-based circuits and devices
	Time	Session 40		Session 41	
Fri Dec 18	11AM-12:10AM	Advanced Logic Technology - Advanced Materials and Integration		Focus Session 41: Memory Technology DTCO of advanced logic and memory	