

Schedule by Category (1)

Category Section	March 22 (Fri.)		March 23 (Sat.)		March 24 (Sun.)		March 25 (Mon.)	
	AM	PM	AM	PM	AM	PM	AM	PM
S Symposium								
NT1 (Open Symposium) Challenge to the Future - Vision of Future Society Pioneered by Cutting-Edge Semiconductors			61B 09:15 ~ 11:45					
NT2 (Open Symposium) Where do the voices of young, ice-age generation, and female researchers reach? -Proposal and requests based on a large-scale survey by EPMEWSE-								1BN 13:00 ~ 17:00
T1 Development of Scientists and Engineers for 21st Century - Development of human resources and succession of technique in the organization -		61A 13:30 ~ 17:30						
T2 (Open Symposium) Detector developments for radiation education and citizen science								1BL 13:30 ~ 16:40
T3 (Open Symposium) Applied Physics Enhances Sense of Presence in the Metaverse III						71A 09:00 ~ 11:30		71A 13:00 ~ 16:00
T4 Recent advances in Laser-induced modification processes		1BN 13:30 ~ 17:50						
T5 Polarization-reversed optical materials and devices - developments and applications-				71B 13:30 ~ 18:20				
T6 (Open Symposium) Quantum Electronics Research Group 50th Anniversary Symposium						71A 13:30 ~ 17:00		
T7 Innovative detection of light and spin based on hybrid materials and systems						1BL 13:30 ~ 18:00		
T8 Frontier of Devices and Systems for 3D Optical Sensing						61A 13:30 ~ 17:00		
T9 Piezoelectric Device Applications of Oxide Materials		61B 13:30 ~ 17:20						
T10 Sensing technology combining AI with biomimetics -Learning from nature, creating the future -				61B 13:30 ~ 16:15				
T11 Beyond Graphene						1BJ 13:30 ~ 17:45		
T12 "Plan just before the start of operation" We will teach you how to use NanoTerasu!						61B 13:30 ~ 17:10		
T13 Plasma Explores New Frontiers in Nano Particles and Quantum Dots				71A 13:30 ~ 18:20				
T14 The forefront of analytical technology using magnetic fields		1BJ 13:30 ~ 16:50						
T15 Spintronics Technology: Frontiers of Tunnel Magnetoresistance Research and Memory Applications						71B 13:30 ~ 17:25		
T16 Is Fusion Energy the Key to Achieving Carbon Neutrality?		1BL 13:30 ~ 18:00						
T17 (Open Symposium) Cutting edge nanotechnology for bio-sensor -Realization of a pandemic-free society with graphene FET sensors capable of rapid detection of human infectious viruses-		1BM 13:30 ~ 17:15						
T18 (Open Symposium) What is Needed for Social Implementation of Organic Photovoltaic Cells: Common Fundamental Technologies with Perovskite Solar Cells	22C 10:00 ~ 11:40	22C 13:00 ~ 15:45						
T19 Physical chemistry and recent advances in self-assembly						1BM 13:30 ~ 17:05		
T20 Frontiers of Bioresearch for Robotech assisted Future Medicine						1BN 13:30 ~ 17:20		
T21 (Open Symposium) A la carte Packaging Technologies: Challenges and Future Prospects of Advanced Semiconductor Packaging Technologies		71A 13:30 ~ 17:30						
T22 Functionality and physical properties of multi-compounds for the future		71B 13:30 ~ 16:45						
T23 Symposium Commemorating the 80th Anniversary of the Establishment of Solid-State Physics and Applications Division				1BL 13:30 ~ 18:10				
T24 Progress in the semiconductor industry contributing to expanding IoT market and what are core technologies ?		61C 13:30 ~ 16:35						
T25 Progress in deep ultraviolet light devices						61C 13:00 ~ 16:30		
T26 Frontiers of Energy Harvesting - Young Researchers Challenging Green Transformation -			61A 09:00 ~ 11:40	61A 13:00 ~ 15:10				
T27 (Open Symposium) Informatics for Materials Science and Brain Science			61C 09:00 ~ 11:45	61C 13:00 ~ 16:35				
FS Focused Session "AI Electronics"								
FS.1 Focused Session "AI Electronics"			P09 09:30 ~ 11:30	22B 13:00 ~ 16:45	31A 09:00 ~ 11:30	31A 13:00 ~ 17:00	31A 09:00 ~ 11:30	31A 13:00 ~ 15:45
KS Sessions organized by JSAP's Professional Group								
KS.1 Solid State Quantum Sensor Group					1BB 09:00 ~ 12:00	1BB 13:30 ~ 18:15		
KS.2 Quantum Information Engineering Group		12C 13:00 ~ 18:00					P06 09:30 ~ 11:30	
KS.3 Green Transition of Fabrication Group *Code-sharing session with 16.2					12B 09:00 ~ 12:15			

Schedule by Category (2)

Category Section	March 22 (Fri.)		March 23 (Sat.)		March 24 (Sun.)		March 25 (Mon.)	
	AM	PM	AM	PM	AM	PM	AM	PM
CS Code-sharing session								
CS.1 Code-sharing Session of 2.3 & 7.4						12B 13:30 ~ 17:45		
CS.2 Code-sharing Session of 3.4 & 3.13					13P 09:00 ~ 10:45			
CS.3 Code-sharing Session of 3.10 & 3.11						11F 16:15 ~ 18:45		
CS.4 Code-sharing Session of 3.10 & 3.12				11E 13:30 ~ 16:15				
CS.5 Code-sharing Session of 3.10 & 3.14	11E 09:30 ~ 12:00							
CS.6 Code-sharing Session of 6.1 & 13.3 & 13.5							1BJ 09:00 ~ 11:30	1BJ 13:00 ~ 14:45
CS.7 Code-sharing Session of 6.5 & 7.5				12G 13:30 ~ 17:30				
CS.8 Code-sharing Session of 8.3 & 9.2						12J 15:45 ~ 18:00		
CS.9 Code-sharing Session of 12.5 & 13.9 & 16.3								22C 13:00 ~ 16:00
CS.10 Code-sharing Session of 16.2 & KS.3					12B 09:00 ~ 12:15			
1 Interdisciplinary Physics and Related Areas of Science and Technology								
1.1 Interdisciplinary and General Physics						12C 09:00 ~ 09:30		
1.2 Education								11F 13:30 ~ 16:00
1.3 Novel technologies and interdisciplinary engineering				P05 16:00 ~ 18:00		12C 09:30 ~ 11:45		
1.4 Energy conversion, storage, resources and environment							12C 09:00 ~ 11:30	12C 13:30 ~ 16:00
1.5 Instrumentation, measurement and Metrology						12C 13:30 ~ 16:45		
1.6 Ultrasonics			12E 09:00 ~ 12:30					
2 Ionizing Radiation								
2.1 Detection Devices	12E 09:15 ~ 12:00	12E 13:30 ~ 17:00						
2.2 Radiation physics fundamentals & applications, radiation generators, new technology					P01 13:30 ~ 15:30	12E 09:30 ~ 12:00	12E 13:30 ~ 15:00	
2.3 Accelerator Mass Spectrometry, Accelerator Beam Analysis *Code-sharing session with 7.4							12B 13:30 ~ 17:45	
2.4 Medical application								12E 09:00 ~ 11:15
2.5 Radiation-induced phosphors						12D 09:45 ~ 12:30	12D 13:45 ~ 18:00	12E 13:30 ~ 16:00
3 Optics and Photonics								
3.1 Basic optics and frontier of optics	1BN 09:30 ~ 12:00		12B 09:00 ~ 12:00	12B 13:30 ~ 17:15	P01 09:30 ~ 11:30	13P 13:30 ~ 17:15		
3.2 Information photonics and image engineering			12A 10:00 ~ 11:30	12A 13:30 ~ 16:00	P02 09:30 ~ 11:30			
3.3 Biomedical optics			12C 09:00 ~ 11:45	12C 13:30 ~ 17:15	P03 09:30 ~ 11:30			
3.4 Laser system and materials			P01 09:30 ~ 11:30	13P 13:30 ~ 16:30				
CS.2 Code-sharing Session of 3.4 & 3.13					13P 09:00 ~ 10:45			
3.5 Ultrashort-pulse and high-intensity lasers	13N 09:00 ~ 11:15	13N 13:30 ~ 16:15	13N 09:00 ~ 12:00	13N 13:30 ~ 15:45				
3.6 Laser processing	13M 09:30 ~ 12:00		P02 09:30 ~ 11:30					
3.7 Optical measurement, instrumentation, and sensor			13M 09:00 ~ 12:00	13M 13:30 ~ 18:15	P04 09:30 ~ 11:30			
3.8 Terahertz technologies			1BL 09:15 ~ 11:50		P05 09:30 ~ 11:30		12B 09:15 ~ 12:00	12B 13:30 ~ 17:00
3.9 Optical quantum physics and technologies			P03 09:30 ~ 11:30		71A 09:00 ~ 11:30		11E 09:00 ~ 11:45	11E 13:30 ~ 16:15
3.10 Photonic structures and phenomena		11E 13:30 ~ 15:30	P04 09:30 ~ 11:30				12P 09:30 ~ 11:45	12P 13:25 ~ 16:45
		P06 16:00 ~ 18:00	11E 09:45 ~ 12:15		11E 09:45 ~ 12:15	11E 13:30 ~ 16:00		
CS.3 Code-sharing Session of 3.10 & 3.11						11F 16:15 ~ 18:45		
CS.4 Code-sharing Session of 3.10 & 3.12				11E 13:30 ~ 16:15				
CS.5 Code-sharing Session of 3.10 & 3.14	11E 09:30 ~ 12:00							
3.11 Nanoscale optical science and near-field optics			11F 09:00 ~ 12:00	11F 13:30 ~ 18:15	P06 09:30 ~ 11:30	11F 13:00 ~ 16:00	11F 09:00 ~ 12:00	
CS.3 Code-sharing Session of 3.10 & 3.11						11F 16:15 ~ 18:45		
3.12 Semiconductor optical devices	12A 09:00 ~ 12:00				P07 09:30 ~ 11:30			
CS.4 Code-sharing Session of 3.10 & 3.12				11E 13:30 ~ 16:15				
3.13 Optical control devices and optical fibers		12A 13:30 ~ 18:00	P05 09:30 ~ 11:30					
CS.2 Code-sharing Session of 3.4 & 3.13					13P 09:00 ~ 10:45			

Schedule by Category (3)

Category Section	March 22 (Fri.)		March 23 (Sat.)		March 24 (Sun.)		March 25 (Mon.)	
	AM	PM	AM	PM	AM	PM	AM	PM
3.14 Silicon photonics and integrated photonics		11F 13:30 ~ 17:45	1BJ 09:00 ~ 11:45		P08 09:30 ~ 11:30			
CS.5 Code-sharing Session of 3.10 & 3.14	11E 09:30 ~ 12:00							
3.15 Optics and Photonics English Session		13M 13:30 ~ 18:15						
6 Thin Films and Surfaces								
6.1 Ferroelectric thin films			12H 09:00 ~ 12:00	12H 13:30 ~ 16:30	12H 09:00 ~ 11:30	P01 13:30 ~ 15:30		
CS.6 Code-sharing Session of 6.1 & 13.3 & 13.5							1BJ 09:00 ~ 11:30	1BJ 13:00 ~ 14:45
6.2 Carbon-based thin films				12E 13:30 ~ 17:00		P02 13:30 ~ 15:30	12H 09:00 ~ 10:15	12H 13:30 ~ 16:45
6.3 Oxide electronics			P06 09:30 ~ 11:30		12G 09:30 ~ 11:45	12G 13:30 ~ 17:15		
6.4 Thin films and New materials			P07 09:30 ~ 11:30			12H 13:30 ~ 18:00	12F 09:00 ~ 11:15	
6.5 Surface Physics, Vacuum						P03 13:30 ~ 15:30		
CS.7 Code-sharing Session of 6.5 & 7.5				12G 13:30 ~ 17:30				
6.6 Probe Microscopy			12F 09:30 ~ 11:45	12F 13:30 ~ 17:15		P04 13:30 ~ 15:30		
7 Beam Technology and Nanofabrication								
7.1 X-ray technologies								12M 13:00 ~ 17:00
7.2 Applications and technologies of electron beams							12M 09:00 ~ 12:00	
7.3 Micro/Nano patterning and fabrication	12N 09:00 ~ 11:45		P08 09:30 ~ 11:30					
7.4 Ion beams *Code-sharing Session with 2.3						12B 13:30 ~ 17:45		
7.5 Atomic/molecular beams and beam-related new technologies *Code-sharing Session with 6.5				12G 13:30 ~ 17:30				
8 Plasma Electronics								
8.1 Plasma production and diagnostics	12G 09:00 ~ 11:30	12G 14:15 ~ 17:45				P08 16:00 ~ 18:00		
8.2 Plasma deposition of thin film, plasma etching and surface treatment					61B 09:00 ~ 11:30	P09 16:00 ~ 18:00	61B 09:15 ~ 11:30	61B 13:00 ~ 15:30
8.3 Plasma nanotechnology					P09 09:30 ~ 11:30			
CS.8 Code-sharing Session of 8.3 & 9.2						12J 15:45 ~ 18:00		
8.4 Plasma life sciences	12H 09:00 ~ 11:15	12H 14:15 ~ 17:00				P10 16:00 ~ 18:00		
8.5 Plasma phenomena, emerging area of plasmas and their new applications					P10 09:30 ~ 11:30	31B 13:30 ~ 17:45		
8.6 Plasma Electronics English Session		12G 17:45 ~ 18:15						
8.7 Plasma Electronics Invited Talk		12H 13:00 ~ 13:45	71A 09:30 ~ 11:15					
9 Applied Materials Science								
9.1 Dielectrics, ferroelectrics	12P 09:00 ~ 12:00					P05 13:30 ~ 15:30		
9.2 Nanoparticles, Nanowires and Nanosheets							31B 09:15 ~ 11:30	31B 13:00 ~ 16:30
CS.8 Code-sharing Session of 8.3 & 9.2						12J 15:45 ~ 18:00		
9.3 Nanoelectronics				12P 13:30 ~ 15:30		P05 13:30 ~ 15:30		
9.4 Thermoelectric conversion	13P 09:00 ~ 12:00	13P 13:30 ~ 16:30	13P 09:00 ~ 11:00					
9.5 New functional materials and new phenomena						32A 13:30 ~ 17:45	32A 09:00 ~ 11:45	
						P05 13:30 ~ 15:30		
10 Spintronics and Magnetics								
10.1 Emerging materials in spintronics and magnetics (including fabrication and characterization methodologies)	12K 09:00 ~ 12:00	12K 13:30 ~ 17:30						
10.2 Fundamental and exploratory device technologies for spin			12D 09:00 ~ 12:00	12D 13:30 ~ 17:30			P01 09:30 ~ 11:30	
10.3 Spin devices, magnetic memories and storages				1BJ 13:30 ~ 16:45				
10.4 Spintronics in semiconductor, topological material, superconductor, and multiferroics					71B 09:00 ~ 11:30			71B 13:00 ~ 16:45
10.5 Application of magnetic field	1BJ 09:00 ~ 11:45	1BJ 17:15 ~ 18:00						
11 Superconductivity								
11.1 Fundamental properties			12P 09:30 ~ 11:00		12P 09:30 ~ 11:45	12P 13:30 ~ 15:45		
11.2 Thin and thick superconducting films, coated conductors and film crystal growth				12N 13:30 ~ 17:45				
11.3 Critical Current, Superconducting Power Applications	P01 09:30 ~ 11:30		12N 09:00 ~ 11:45					
11.4 Analog applications and their related technologies							12N 09:00 ~ 12:00	
11.5 Junction and circuit fabrication process, digital applications						12N 13:30 ~ 16:30		

Schedule by Category (4)

Category Section	March 22 (Fri.)		March 23 (Sat.)		March 24 (Sun.)		March 25 (Mon.)	
	AM	PM	AM	PM	AM	PM	AM	PM
12 Organic Molecules and Bioelectronics								
12.1 Fabrications and Structure Controls			1BB 09:30 ~ 11:45	P02 13:30 ~ 15:30				
12.2 Characterization and Materials Physics		P01 13:30 ~ 15:30		1BB 13:30 ~ 18:45			1BC 09:00 ~ 12:00	1BC 13:30 ~ 16:30
12.3 Functional Materials and Novel Devices	P02 09:30 ~ 11:30		1BC 09:00 ~ 12:30	1BC 13:30 ~ 19:00	1BC 09:00 ~ 12:30	1BC 13:30 ~ 19:00		
12.4 Organic light-emitting devices and organic transistors		P02 13:30 ~ 15:30			22B 09:00 ~ 11:30	22B 13:00 ~ 16:45	22B 09:00 ~ 11:45	
12.5 Organic and hybrid solar cells		P03 13:30 ~ 15:30	22C 09:00 ~ 12:00	22C 13:00 ~ 16:30	22C 09:00 ~ 11:30	22C 13:00 ~ 16:30	22C 10:00 ~ 11:30	
CS.9 Code-sharing Session of 12.5 & 13.9 & 16.3								22C 13:00 ~ 16:00
12.6 Nanobiotechnology	P03 09:30 ~ 11:30		1BN 09:00 ~ 11:45	1BN 13:30 ~ 17:15	1BN 09:00 ~ 12:30			
12.7 Biomedical Engineering and Biochips	P04 09:30 ~ 11:30		1BM 09:00 ~ 12:00	1BM 13:30 ~ 18:00	1BM 09:00 ~ 12:00		1BL 09:00 ~ 12:00	
13 Semiconductors								
13.1 Fundamental properties, surface and interface, and simulations of Si related materials						P11 16:00 ~ 18:00	12J 09:00 ~ 12:00	
13.2 Exploratory Materials, Physical Properties, Devices				P03 13:30 ~ 15:30	12K 09:00 ~ 12:00	12K 13:30 ~ 15:15		
13.3 Insulator technology		12J 13:30 ~ 15:45				P12 16:00 ~ 18:00		
CS.6 Code-sharing Session of 6.1 & 13.3 & 13.5							1BJ 09:00 ~ 11:30	1BJ 13:00 ~ 14:45
13.4 Si processing /Si based thin film / MEMS / Equipment technology	61C 09:00 ~ 11:30		12K 09:00 ~ 11:15	12K 13:30 ~ 18:00		P13 16:00 ~ 18:00		
13.5 Semiconductor devices/ Interconnect/ Integration technologies	12J 09:00 ~ 11:45		12J 09:00 ~ 12:15	12J 13:30 ~ 16:45		P14 16:00 ~ 18:00		
CS.6 Code-sharing Session of 6.1 & 13.3 & 13.5							1BJ 09:00 ~ 11:30	1BJ 13:00 ~ 14:45
13.6 Nanostructures, quantum phenomena, and nano quantum devices						P15 16:00 ~ 18:00	12K 09:30 ~ 12:00	12K 13:30 ~ 16:00
13.7 Compound and power devices, process technology and characterization		P04 13:30 ~ 15:30		52A 13:00 ~ 18:15	52A 09:00 ~ 11:30	52A 13:00 ~ 18:15	52A 09:00 ~ 11:30	52A 13:00 ~ 14:30
13.8 Optical properties and light-emitting devices				P04 13:30 ~ 15:30	12J 09:15 ~ 11:45			
13.9 Compound solar cells			12L 09:30 ~ 12:15	12L 13:30 ~ 16:15		P06 13:30 ~ 15:30		
CS.9 Code-sharing Session of 12.5 & 13.9 & 16.3								22C 13:00 ~ 16:00
15 Crystal Engineering								
15.1 Bulk crystal growth		12N 13:30 ~ 16:30			P11 09:30 ~ 11:30			
15.2 II-VI and related compounds							22A 09:00 ~ 10:15	
15.3 III-V-group epitaxial crystals, Fundamentals of epitaxy					22A 09:30 ~ 11:30	22A 13:30 ~ 15:30	P02 09:30 ~ 11:30	
15.4 III-V-group nitride crystals	21C 09:45 ~ 11:30	21C 13:00 ~ 18:00	21C 09:00 ~ 11:30	21C 13:00 ~ 18:15	21C 09:00 ~ 11:30	61C 16:45 ~ 18:00	21C 09:00 ~ 11:45	21C 13:30 ~ 15:00
15.5 Group IV crystals and alloys			22A 09:45 ~ 11:30	22A 13:00 ~ 15:00	P12 09:30 ~ 11:30			
15.6 Group IV Compound Semiconductors (SiC)		P05 13:30 ~ 15:30	52A 09:00 ~ 11:30					
15.7 Crystal characterization, impurities and crystal defects					12F 09:00 ~ 12:00	12F 13:30 ~ 15:45	P04 09:30 ~ 11:30	
16 Amorphous and Microcrystalline Materials								
16.1 Fundamental properties, evaluation, process and devices in disordered materials			12M 09:00 ~ 11:45	12M 13:30 ~ 17:00				
16.2 Energy Harvesting *Code-sharing Session with KS.3					12B 09:00 ~ 12:15		P05 09:30 ~ 11:30	
16.3 Bulk, thin-film and other silicon-based solar cells						12M 13:00 ~ 19:00		
CS.9 Code-sharing Session of 12.5 & 13.9 & 16.3								22C 13:00 ~ 16:00
17 Nanocarbon and Two-Dimensional Materials								
17.1 Carbon nanotubes & other nanocarbon materials		32A 13:00 ~ 15:45		32A 14:15 ~ 17:30				
17.2 Graphene		P07 16:00 ~ 18:00	32A 09:30 ~ 11:15	32A 13:00 ~ 14:15	32A 09:00 ~ 11:30			
17.3 Layered materials			31B 09:30 ~ 11:30	31B 13:00 ~ 18:00	31B 09:00 ~ 11:30		71B 09:00 ~ 11:30	
21 Joint Session K "Wide bandgap oxide semiconductor materials and devices"								
21.1 Joint Session K "Wide bandgap oxide semiconductor materials and devices"			31A 09:00 ~ 11:30	31A 13:00 ~ 17:00	61A 09:45 ~ 11:30	P16 16:00 ~ 18:00	61A 09:30 ~ 11:30	61A 13:00 ~ 16:45
22 Joint Session M "Phonon Engineering"								
22.1 Joint Session M "Phonon Engineering"		P08 16:00 ~ 18:00		21B 13:15 ~ 17:00	21B 10:00 ~ 11:00	21B 13:00 ~ 16:30		
23 Joint Session N "Informatics"								
23.1 Joint Session N "Informatics"	52A 09:00 ~ 11:45	52A 13:00 ~ 17:45				P07 13:30 ~ 15:30	61C 09:00 ~ 11:45	61C 13:00 ~ 16:30