

Schedule by Category (1)

Category Section	March 15 (Wed.)		March 16 (Thu.)		March 17 (Fri.)		March 18 (Sat.)	
	AM	PM	AM	PM	AM	PM	AM	PM
S Symposium								
NT1 [Open Symposium]How can Applied Physics accelerate the green transformation for the sustainable future?		A402 13:30 ~ 17:55						
NT2 [Open Symposium]Got Talent in Japan -KOSEN & JSAP-		A307 13:30 ~ 16:55						
NT3 [Open Symposium]World Stops When Japan Stops! ~ Our Legendary Semiconductor Technologies ~					A402 09:30 ~ 12:05			
NT4 [Open Symposium]Human resource development and industry-academia collaboration to drive the semiconductor industry in the future						A402 13:45 ~ 18:30		
NT5 [Open Symposium]Diversity & Inclusion with Various Distinct Perspectives								A402 13:00 ~ 17:50
T1 Vocational career education and lifelong learning for realizing skill and technology inheritance								A404 13:30 ~ 16:00
T2 [Onsite Only]Materials with Hyperordered Structures and their Applications				A404 13:30 ~ 18:00				
T3 Various materials for radiation measurements					A404 09:30 ~ 11:30	A404 13:00 ~ 15:00		
T4 Current status of Accelerator Mass Spectrometry in Japan and the next step					A304 09:00 ~ 12:10			
T5 Sciences of Strong Light-Matter Interaction for Tailored Quantum Manipulation		A304 13:30 ~ 18:20						
T6 Recent Progress of laser ablation				A201 13:30 ~ 18:00				
T7 New horizon in interdisciplinary photonics pioneered by nano-photothermal conversion				A307 13:30 ~ 18:20				
T8 Applied Physics Accelerating the Metaverse - Towards Multimodality in AR/VR-					A410 09:30 ~ 12:20	A410 14:00 ~ 17:50		
T9 Mietronics -Physics and applications of Dielectric Mie Resonators				A205 13:30 ~ 17:55				
T10 Frontiers on research of hydrate materials -Current status, subjects, and prospects of materials development and their functionalities		A302 13:30 ~ 16:55						
T11 Machine learning on dielectrics study			A404 09:00 ~ 12:30					
T12 Advanced Surface and Interface Technologies for Micro and Nanoscale Fabrication				A302 13:30 ~ 18:25				
T13 The leading-edge research on quantum science and technology based on quantum bits and spin defects in solid-state materials						A302 13:25 ~ 17:40		
T14 Frontiers of information processing and generation in brains and inanimate autonomous distributed systems								A302 13:00 ~ 17:15
T15 Latest trends in ion beam analysis						A304 14:00 ~ 17:10		
T16 What is Plasma-Driven Science - Expectations for New Developments in Plasma Processes				A402 13:30 ~ 19:00				
T17 Quantum Cooperation between Materials and Information				A410 13:30 ~ 17:30				
T18 Progress of the feeble biological signal measurement technique by spintronics and magnetics								A307 13:30 ~ 16:45
T19 Emergence of novel superconducting device by spatiotemporal manipulation		E302 13:30 ~ 17:50						
T20 [Open Symposium]Cutting edge nanotechnology for virus detection -Realization of a pandemic-free society with graphene FET sensors capable of rapid detection of human infectious viruses-		A410 13:30 ~ 17:35						
T21 Organic Semiconductor Devices: Present, Past, and Future: Focusing on Photovoltaic Conversion					E402 10:30 ~ 12:00	E402 13:30 ~ 18:15		
T22 Control and device application of spontaneous orientation of polar molecules				E402 13:30 ~ 17:20				
T23 Research and Development Trends in Polycrystalline Thin-Film Solar Cells	E502 10:00 ~ 12:00	E502 13:30 ~ 17:00						
T24 [Open Symposium]**In corporation with The Japan Institute of Electronics Packaging(JIEP) Connection : From BEOL to Tipler, and to the Future			E302 09:00 ~ 12:10					
T25 Ultimate Laboratory Automation: Semiconductor Giga Fab as a Giant Robotic Experimenter?				E302 13:30 ~ 18:30				
T26 What is next killer application after display? Leading edge technology of oxide semiconductor						E302 13:30 ~ 17:55		
T27 Trends and Prospects of MEMS and Microfabrication Technologies Contributing to the With-Covid-19 Era						E502 13:30 ~ 17:00		
T28 Recent progresses of device applications of low-dimensional materials		A205 13:30 ~ 18:05						
T29 Latest trend of device technologies for quantum computing					A307 09:30 ~ 11:45	A307 13:30 ~ 17:00		
FS Focused Session "AI Electronics"								
FS.1 Focused Session "AI Electronics"	B414 09:00 ~ 11:30	B414 13:00 ~ 16:00	A410 09:00 ~ 11:30	PA07 13:30 ~ 15:30			A410 09:00 ~ 11:30	A410 13:00 ~ 15:30
CS Code-sharing session								
CS.1 Code-sharing Session of 2.3 & 7.4 & 7.5			D519 09:00 ~ 12:45	D519 14:30 ~ 18:45				
CS.2 Code-sharing Session of 3.4 & 3.13				A305 13:00 ~ 15:00				
CS.3 Code-sharing Session of 3.10 & 3.11 & M			E502 09:15 ~ 12:00					
CS.4 Code-sharing Session of 3.10 & 3.12						A303 13:30 ~ 16:15		
CS.5 Code-sharing Session of 6.5 & 7.6							D519 09:00 ~ 12:00	
CS.6 Code-sharing Session of 8.3 & 9.2 & 13.6								A202 13:00 ~ 15:15
CS.7 Code-sharing Session of 12.5 & 13.9 & 16.3								A408 13:00 ~ 15:15
CS.8 Code-sharing Session of 12.6 & 12.7			A307 09:00 ~ 12:00					

Schedule by Category (2)

Category Section	March 15 (Wed.)		March 16 (Thu.)		March 17 (Fri.)		March 18 (Sat.)	
	AM	PM	AM	PM	AM	PM	AM	PM
1 Interdisciplinary Physics and Related Areas of Science and Technology								
1.1 Interdisciplinary and General Physics		D405 13:30 ~ 16:00						
		PB04 16:00 ~ 18:00						
1.2 Education						PA01 13:30 ~ 15:30	A404 09:00 ~ 11:30	
1.3 Novel technologies and interdisciplinary engineering						PA02 13:30 ~ 15:30	D215 09:30 ~ 11:45	
1.4 Energy conversion, storage, resources and environment	D505 09:30 ~ 11:15	D505 13:30 ~ 17:30		PA01 13:30 ~ 15:30				
1.5 Instrumentation, measurement and Metrology						PA03 13:30 ~ 15:30	D209 09:00 ~ 12:30	
1.6 Ultrasonics				PA02 13:30 ~ 15:30	D505 09:00 ~ 11:45	D505 13:30 ~ 16:30		
2 Ionizing Radiation								
2.1 Detection Devices			D311 09:00 ~ 12:00	D311 13:30 ~ 16:30		PA09 16:00 ~ 18:00		
2.2 Radiation physics fundamentals & applications, radiation generators, new technology						D411 13:00 ~ 14:30	D411 09:00 ~ 12:00	D411 13:30 ~ 15:15
2.3 Accelerator Mass Spectrometry, Accelerator Beam Analysis *Code-sharing Session with 7.4 & 7.5			D519 09:00 ~ 12:45	D519 14:30 ~ 18:45				
2.4 Medical application		D311 13:30 ~ 17:30				PA09 16:00 ~ 18:00		
2.5 Radiation-induced phosphors				D405 13:30 ~ 16:30			D419 09:00 ~ 12:00	D419 13:30 ~ 16:00
3 Optics and Photonics								
3.1 Basic optics and frontier of optics (merged with formerly 3.2 Equipment optics and materials)			PA01 09:30 ~ 11:30			A201 13:00 ~ 17:15	A201 09:30 ~ 11:30	A201 13:00 ~ 16:00
3.2 Information photonics and image engineering (formerly 3.3)	A202 09:00 ~ 11:00	A202 13:00 ~ 17:30	PA02 09:30 ~ 11:30	A303 13:00 ~ 16:45				
3.3 Biomedical optics (formerly 3.4)	A405 09:00 ~ 11:15	A405 13:00 ~ 15:30	PA03 09:30 ~ 11:30					
3.4 Laser system and materials (formerly 3.5)	PB01 09:30 ~ 11:30	A305 14:00 ~ 17:00	A305 10:00 ~ 11:15					
CS.2 Code-sharing Session of 3.4 & 3.13				A305 13:00 ~ 15:00				
3.5 Ultrashort-pulse and high-intensity lasers (formerly 3.6)			PA04 09:30 ~ 11:30		A501 09:00 ~ 10:30	A501 13:00 ~ 16:15	A501 09:00 ~ 10:45	A501 13:00 ~ 16:30
3.6 Laser processing (formerly 3.7)			PA05 09:30 ~ 11:30		A405 09:00 ~ 11:30	A405 13:00 ~ 16:45	A405 09:00 ~ 11:30	A405 13:00 ~ 16:00
3.7 Optical measurement, instrumentation, and sensor (formerly 3.8)			PA06 09:30 ~ 11:30	A502 13:00 ~ 17:00	A502 09:30 ~ 11:45	A502 13:00 ~ 17:30		
3.8 Terahertz technologies (formerly 3.9)		PB01 13:30 ~ 15:30	A202 10:00 ~ 11:00	A202 13:00 ~ 17:00		A202 13:00 ~ 17:45		
3.9 Optical quantum physics and technologies (formerly 3.10)		PB02 13:30 ~ 15:30	A405 10:00 ~ 11:30	A405 13:25 ~ 17:15				
3.10 Photonic structures and phenomena (formerly 3.11)	A501 10:30 ~ 12:00	A501 13:30 ~ 15:30		A501 13:30 ~ 17:45	D215 09:30 ~ 12:15			
		PB05 16:00 ~ 18:00						
CS.3 Code-sharing Session of 3.10 & 3.11 & M			E502 09:15 ~ 12:00					
CS.4 Code-sharing Session of 3.10 & 3.12						A303 13:30 ~ 16:15		
3.11 Nanoscale optical science and near-field optics (formerly 3.12)		PB06 16:00 ~ 18:00	A201 10:00 ~ 11:15		A305 09:00 ~ 11:30	A305 13:00 ~ 17:30	A305 09:00 ~ 11:30	A305 13:00 ~ 16:00
CS.3 Code-sharing Session of 3.10 & 3.11 & M			E502 09:15 ~ 12:00					
3.12 Semiconductor optical devices (formerly 3.13)			PA07 09:30 ~ 11:30	B409 13:30 ~ 16:00	A303 09:30 ~ 11:30			
CS.4 Code-sharing Session of 3.10 & 3.12						A303 13:30 ~ 16:15		
3.13 Optical control devices and optical fibers (formerly 3.14)					A202 09:30 ~ 11:30	PA04 13:30 ~ 15:30	A202 09:00 ~ 11:15	
CS.2 Code-sharing Session of 3.4 & 3.13				A305 13:00 ~ 15:00				
3.14 Silicon photonics and integrated photonics (formerly 3.15)	A502 09:00 ~ 11:15	A502 13:10 ~ 18:00	A409 09:00 ~ 11:45			PA05 13:30 ~ 15:30		
3.15 Optics and Photonics English Session	A305 09:00 ~ 12:15							
6 Thin Films and Surfaces								
6.1 Ferroelectric thin films		A404 13:00 ~ 18:30		A409 14:00 ~ 18:30		PA06 13:30 ~ 15:30		
6.2 Carbon-based thin films	A408 09:00 ~ 11:30	A408 13:00 ~ 16:45	A408 09:00 ~ 11:30	A408 13:00 ~ 17:45	A302 09:00 ~ 10:30	PA07 13:30 ~ 15:30		
6.3 Oxide electronics	A409 10:00 ~ 11:30	A409 13:00 ~ 16:00		PA08 16:00 ~ 18:00	A408 09:30 ~ 11:30	A408 13:00 ~ 16:45	A302 10:00 ~ 11:30	
6.4 Thin films and New materials				PA09 16:00 ~ 18:00	D419 09:00 ~ 12:00	D419 13:30 ~ 17:45		
6.5 Surface Physics, Vacuum						PA08 13:30 ~ 15:30		D519 13:00 ~ 17:15
CS.5 Code-sharing Session of 6.5 & 7.6							D519 09:00 ~ 12:00	
6.6 Probe Microscopy			D405 09:30 ~ 11:45	PA10 16:00 ~ 18:00	D519 09:30 ~ 11:30	D519 13:30 ~ 16:15		

Schedule by Category (3)

Category Section	March 15 (Wed.)		March 16 (Thu.)		March 17 (Fri.)		March 18 (Sat.)	
	AM	PM	AM	PM	AM	PM	AM	PM
7 Beam Technology and Nanofabrication								
7.1 X-ray technologies					E502 09:00 ~ 12:30			
7.2 Applications and technologies of electron beams		D209 13:30 ~ 16:45			PA01 09:30 ~ 11:30			
7.3 Micro/Nano patterning and fabrication	D209 10:30 ~ 11:45							
7.4 Buried interface sciences with quantum beam			D519 09:00 ~ 12:45	D519 14:30 ~ 18:45				
7.4 Buried interface sciences with quantum beam *Code-sharing Session with 2.3 & 7.5			D519 09:00 ~ 12:45	D519 14:30 ~ 18:45				
7.5 Ion beams *Code-sharing Session with 2.3 & 7.4								
7.6 Atomic/molecular beams and beam-related new technologies *Code-sharing Session with 6.5							D519 09:00 ~ 12:00	
8 Plasma Electronics								
8.1 Plasma production and diagnostics		B309 13:00 ~ 18:45	A402 09:15 ~ 10:45					
		PA02 16:00 ~ 18:00						
8.2 Plasma deposition of thin film, plasma etching and surface treatment		PB03 13:30 ~ 15:30			A205 09:00 ~ 11:30	A205 13:00 ~ 17:45		
8.3 Plasma nanotechnology		PB03 13:30 ~ 15:30					A408 09:00 ~ 11:30	
CS.6 Code-sharing Session of 8.3 & 9.2 & 13.6								A202 13:00 ~ 15:15
8.4 Plasma life sciences		PA02 16:00 ~ 18:00			A409 09:30 ~ 11:30	A409 13:30 ~ 16:00		
8.5 Plasma phenomena, emerging area of plasmas and their new applications		PB03 13:30 ~ 15:30					A205 10:00 ~ 11:30	A205 13:00 ~ 14:30
8.6 Plasma Electronics English Session		PB03 13:30 ~ 15:30						
8.7 Plasma Electronics Invited Talk			A402 11:00 ~ 11:45					
9 Applied Materials Science								
9.1 Dielectrics, ferroelectrics	D215 09:00 ~ 11:30	D215 13:30 ~ 16:00				PB01 13:30 ~ 15:30		
9.2 Nanoparticles, Nanowires and Nanosheets					PA02 09:30 ~ 11:30	D221 13:30 ~ 17:00		
CS.6 Code-sharing Session of 8.3 & 9.2 & 13.6								A202 13:00 ~ 15:15
9.3 Nanoelectronics			PB01 09:30 ~ 11:30				D221 09:00 ~ 11:00	
9.4 Thermoelectric conversion			D411 09:45 ~ 11:45	D411 13:30 ~ 17:15	D411 09:45 ~ 11:45	PB02 13:30 ~ 15:30		
9.5 New functional materials and new phenomena	D221 10:00 ~ 11:45	D221 13:30 ~ 17:15	PB02 09:30 ~ 11:30					
10 Spintronics and Magnetics								
10.1 Emerging materials in spintronics and magnetics (including fabrication and characterization methodologies)		PA01 13:30 ~ 15:30				D704 13:30 ~ 18:15		
		D704 15:45 ~ 18:00						
10.2 Fundamental and exploratory device technologies for spin		PA01 13:30 ~ 15:30	D419 09:00 ~ 12:00	D419 13:30 ~ 18:30			D704 09:00 ~ 12:00	
10.3 Spin devices, magnetic memories and storages				D704 09:15 ~ 12:00		D704 09:00 ~ 12:00		
10.4 Spintronics in semiconductor, topological material, superconductor, and multiferroics					D704 13:30 ~ 18:30			
10.5 Application of magnetic field	D704 09:30 ~ 12:15							
11 Superconductivity								
11.1 Fundamental properties				D209 13:30 ~ 17:30	D209 09:30 ~ 11:45	D209 13:30 ~ 15:45		
11.2 Thin and thick superconducting films, coated conductors and film crystal growth				D221 14:00 ~ 17:15				
11.3 Critical Current, Superconducting Power Applications			PB03 09:30 ~ 11:30			D215 13:30 ~ 16:15		
11.4 Analog applications and their related technologies					D221 09:00 ~ 11:45			
11.5 Junction and circuit fabrication process, digital applications				D215 13:30 ~ 18:00				
12 Organic Molecules and Bioelectronics								
12.1 Fabrications and Structure Controls		PA03 16:00 ~ 18:00			B409 09:00 ~ 11:30	B409 13:00 ~ 18:00		
12.2 Characterization and Materials Physics	B508 09:15 ~ 11:45	B508 13:00 ~ 18:00	B508 09:00 ~ 11:45	PB01 16:00 ~ 18:00				
12.3 Functional Materials and Novel Devices	B409 09:00 ~ 11:30	B409 13:00 ~ 16:15	B409 09:00 ~ 11:30		PA03 09:30 ~ 11:30		B409 09:00 ~ 11:30	B409 13:00 ~ 16:15
12.4 Organic light-emitting devices and organic transistors	E402 09:00 ~ 12:00	E402 13:00 ~ 18:00	E402 09:00 ~ 12:15	E502 13:45 ~ 16:00	PA04 09:30 ~ 11:30			
12.5 Organic and hybrid solar cells	A401 09:00 ~ 11:45	A401 13:00 ~ 18:00	A401 09:00 ~ 11:45	A401 13:00 ~ 18:00	A401 09:00 ~ 10:15		PB01 09:30 ~ 11:30	
CS.7 Code-sharing Session of 12.5 & 13.9 & 16.3								A408 13:00 ~ 15:15
12.6 Nanobiotechnology				PB02 16:00 ~ 18:00	E302 09:00 ~ 12:00		E302 09:00 ~ 12:00	E302 13:30 ~ 16:30
CS.8 Code-sharing Session of 12.6 & 12.7			A307 09:00 ~ 12:00					
12.7 Biomedical Engineering and Biochips				PB03 16:00 ~ 18:00	E102 09:00 ~ 12:00	E102 13:00 ~ 18:30	E102 09:00 ~ 12:00	E102 13:30 ~ 17:00
CS.8 Code-sharing Session of 12.6 & 12.7			A307 09:00 ~ 12:00					

Schedule by Category (4)

Category Section	March 15 (Wed.)		March 16 (Thu.)		March 17 (Fri.)		March 18 (Sat.)	
	AM	PM	AM	PM	AM	PM	AM	PM
13 Semiconductors								
13.1 Fundamental properties, surface and interface, and simulations of Si related materials			PB04 09:30 ~ 11:30			B414 13:00 ~ 17:00		
13.2 Exploratory Materials, Physical Properties, Devices		A403 13:00 ~ 17:15	PB05 09:30 ~ 11:30					
13.3 Insulator technology		PA04 16:00 ~ 18:00		B508 13:00 ~ 17:45				
13.4 Si processing /Si based thin film / MEMS / Equipment technology	B410 09:00 ~ 11:30	B410 13:00 ~ 17:30	B410 09:00 ~ 11:30	PA03 13:30 ~ 15:30				
13.5 Semiconductor devices/ Interconnect/ Integration technologies			A403 09:00 ~ 11:45	A403 13:00 ~ 18:45	A403 09:00 ~ 11:45			
13.6 Nanostructures, quantum phenomena, and nano quantum devices		D411 13:30 ~ 17:30				PB06 16:00 ~ 18:00		
CS.6 Code-sharing Session of 8.3 & 9.2 & 13.6								A202 13:00 ~ 15:15
13.7 Compound and power devices, process technology and characterization			A301 09:30 ~ 12:00	PA04 13:30 ~ 15:30	A301 09:00 ~ 11:30	A301 13:00 ~ 18:00	A301 09:00 ~ 12:30	
				A301 16:00 ~ 17:30				
13.8 Optical properties and light-emitting devices			PB06 09:30 ~ 11:30	B410 13:30 ~ 15:30		B410 13:30 ~ 16:45		
13.9 Compound solar cells			A304 09:30 ~ 11:30	A304 13:00 ~ 16:30		PB03 13:30 ~ 15:30		
CS.7 Code-sharing Session of 12.5 & 13.9 & 16.3								A408 13:00 ~ 15:15
15 Crystal Engineering								
15.1 Bulk crystal growth	D419 09:00 ~ 11:30	D419 13:30 ~ 16:45				PB04 13:30 ~ 15:30		
15.2 II-VI and related compounds			D221 09:00 ~ 09:45					
15.3 III-V-group epitaxial crystals, Fundamentals of epitaxy		PA05 16:00 ~ 18:00	A205 09:30 ~ 11:45	A301 13:30 ~ 15:00				
15.4 III-V-group nitride crystals	B401 09:45 ~ 11:30	B401 13:00 ~ 18:00	B401 09:00 ~ 11:30	B401 13:00 ~ 17:45	B401 09:00 ~ 11:45	B401 13:15 ~ 17:30	B401 09:00 ~ 11:30	B401 13:00 ~ 16:30
						PB07 16:00 ~ 18:00		
15.5 Group IV crystals and alloys		PA06 16:00 ~ 18:00	D511 09:00 ~ 11:30	D511 13:30 ~ 16:15				
15.6 Group IV Compound Semiconductors (SiC)	A301 09:30 ~ 11:30	A301 13:00 ~ 16:45		PA05 13:30 ~ 15:30				
15.7 Crystal characterization, impurities and crystal defects	D511 09:00 ~ 12:00	D511 13:30 ~ 16:45		PA06 13:30 ~ 15:30				
16 Amorphous and Microcrystalline Materials								
16.1 Fundamental properties, evaluation, process and devices in disordered materials			D505 09:00 ~ 12:00	D505 13:30 ~ 16:00		PB05 13:30 ~ 15:30		
16.2 Energy Harvesting			D215 09:00 ~ 10:30					
16.3 Bulk, thin-film and other silicon-based solar cells					PA05 09:30 ~ 11:30	A403 13:00 ~ 17:45		
CS.7 Code-sharing Session of 12.5 & 13.9 & 16.3								A408 13:00 ~ 15:15
17 Nanocarbon Technology								
17.1 Carbon nanotubes & other nanocarbon materials			B309 09:00 ~ 11:30	B309 13:00 ~ 18:15				
17.2 Graphene	PA01 09:30 ~ 11:30				B309 09:00 ~ 11:30	B309 13:00 ~ 18:00		
17.3 Layered materials			B414 09:00 ~ 11:30	B414 13:00 ~ 17:15	B414 09:00 ~ 10:45			
21 Joint Session K "Wide bandgap oxide semiconductor materials and devices"								
21.1 Joint Session K "Wide bandgap oxide semiconductor materials and devices"	E102 09:15 ~ 12:00	E102 13:30 ~ 18:15	E102 10:30 ~ 12:00	E102 13:30 ~ 16:45	PB01 09:30 ~ 11:30			
22 Joint Session M "Phonon Engineering"								
22.1 Joint Session M "Phonon Engineering"				PA11 16:00 ~ 18:00	D511 09:15 ~ 11:45	D511 13:15 ~ 17:30	D511 09:00 ~ 11:45	
CS.3 Code-sharing Session of 3.10 & 3.11 & M			E502 09:15 ~ 12:00					
23 Joint Session N "Informatics"								
23.1 Joint Session N "Informatics"					PB02 09:30 ~ 11:30	A401 13:00 ~ 17:15	A401 09:00 ~ 11:30	A401 13:00 ~ 16:30