

Schedule by Category I

Category	March 11 (Wed.)		March 12 (Thu.)		March 13 (Fri.)		March 14 (Sat.)	
Section	AM	PM	AM	PM	AM	PM	AM	PM
1 Interdisciplinary Physics and Related Areas of Science and Technology								
1.1 Interdisciplinary and General Physics			P1 13:30 - 15:30			D12 16:30 - 19:00		
1.2 Education						P1 16:30 - 18:30		
1.3 Novel technologies and interdisciplinary engineering		D13 13:15 - 17:00		P2 13:30 - 15:30				
1.4 Energy conversion and storage	P1 9:30 - 11:30			D12 9:00 - 12:45				
1.5 Resources and environment	D12 10:00 - 11:30			P3 13:30 - 15:30				
1.6 Instrumentation, measurement and Metrology					P1 9:30 - 11:30		D12 9:00 - 11:15	D12 13:00 - 14:15
1.7 Ultrasonic	P2 9:30 - 11:30	D12 13:15 - 17:15						
2 Ionizing Radiation								
2.1 Radiation physics and Detector fundamentals			P1 9:30 - 11:30		A19 9:00 - 12:15	A19 14:00 - 16:00		
2.2 Detection systems		A19 16:15 - 18:00	P2 9:30 - 11:30			A19 16:15 - 19:00	A19 9:00 - 12:15	
2.3 Application, radiation generators, new technology	A19 9:00 - 11:45	A19 14:00 - 16:00	P3 9:30 - 11:30					
3 Optics and Photonics # Code-sharing session 3.5 and 3.14, 3.11 and 13.7 (See also "Code-sharing session")								
3.0 Optics and Photonics English Session					A15 9:00 - 11:15			
3.1 Basic optics and frontier of optics					P2 9:30 - 11:30		A12 9:00 - 12:00	A12 13:00 - 14:15
3.2 Equipment optics and materials				A13 14:00 - 17:15	P3 9:30 - 11:30			
3.3 Information photonics and image engineering					P4 9:30 - 11:30	A11 16:30 - 17:30	A11 9:00 - 12:15	A11 13:15 - 14:30
3.4 Biomedical optics			P4 9:30 - 11:30				A10 9:30 - 11:45	A10 13:00 - 14:30
3.5 Laser system and materials			P5 9:30 - 11:30			A13 16:30 - 18:45	A13 9:30 - 12:00	
3.6 Ultrashort-pulse and high-intensity lasers			A15 9:45 - 12:30	A15 14:00 - 17:45	P5 9:30 - 11:30	A15 16:30 - 19:00	A15 9:15 - 12:00	A15 13:00 - 15:00
3.7 Laser processing	A11 9:30 - 12:30	A11 14:00 - 18:00	A11 9:30 - 11:30		A11 9:30 - 12:30	P2 16:30 - 18:30		
3.8 Optical measurement, instrumentation, and sensor	A14 9:00 - 12:30	A14 14:00 - 18:00			P6 9:30 - 11:30		A14 9:00 - 11:30	A14 13:00 - 15:00
3.9 Terahertz technologies		P1 16:00 - 18:00	A14 9:15 - 12:15	A14 13:30 - 17:00	A14 9:00 - 12:15	A14 16:15 - 19:00		
3.10 Optical quantum physics and technologies	A17 9:15 - 12:00	A17 14:00 - 16:45	P6 9:30 - 11:30					
3.11 Photonic structures and phenomena	P3 9:30 - 11:30			A10 14:00 - 18:45	A10 9:00 - 12:15	A10 16:30 - 18:45		
3.12 Nanoscale optical science and near-field optics	A12 9:00 - 12:30	A12 14:00 - 18:00	A12 9:00 - 12:15		A12 9:00 - 12:30	P3 16:30 - 18:30		
3.13 Semiconductor optical devices			A17 9:00 - 13:00	A17 14:00 - 19:00		P4 16:30 - 18:30		
3.14 Optical control devices and optical fibers	A13 9:15 - 12:30	A13 14:00 - 16:45	A13 9:00 - 11:45		P7 9:30 - 11:30			
3.15 Silicon photonics		A16 14:00 - 17:00	A16 9:30 - 12:30	A16 14:00 - 17:30	P8 9:30 - 11:30			
6 Thin Films and Surfaces # Code-sharing session 6.6 and 12.2 (See also "Code-sharing session")								
6.1 Ferroelectric thin films		P3 16:00 - 18:00			A21 9:00 - 12:30	A21 16:15 - 18:30	A21 9:00 - 12:00	
6.2 Carbon-based thin films	P4 9:30 - 11:30	C1 13:15 - 18:00	C1 9:00 - 11:45	C1 13:15 - 19:00				
6.3 Oxide electronics	D10 9:00 - 11:45	D10 13:15 - 17:45	D10 9:00 - 11:45		D10 9:00 - 11:45	P5 16:30 - 18:30 D10 16:30 - 19:00	D10 9:30 - 11:45	D10 13:00 - 14:45
6.4 Thin films and New materials	D8 9:00 - 11:45		D8 9:00 - 11:45	D8 13:15 - 18:30		P6 16:30 - 18:30		
6.5 Surface Physics, Vacuum	D9 9:00 - 12:00			D13 13:15 - 17:00		P7 16:30 - 18:30		
6.6 Probe Microscopy			D9 10:00 - 11:45	P4 13:30 - 15:30		D9 16:30 - 19:30	D9 9:00 - 12:00	D9 13:00 - 15:00

How to Read a Table

March 11 (Wed.)		March 12 (Thu.)		March 13 (Fri.)		March 14 (Sat.)	
AM	PM	AM	PM	AM	PM	AM	PM
P3 9:30 - 11:30			A10 14:00 - 18:45	B1 9:00 - 12:15	B2 16:30 - 18:45	D9 9:00 - 12:00	D9 13:00 - 15:00
Poster presentation			Session Room		Session Time		

Schedule by Category II

Category	March 11 (Wed.)		March 12 (Thu.)		March 13 (Fri.)		March 14 (Sat.)	
Section	AM	PM	AM	PM	AM	PM	AM	PM
7 Beam Technology and Nanofabrication								
7.1 X-ray technologies	P5 9:30 - 11:30	A26 13:15 - 17:30						
7.2 Applications and technologies of electron beams			P7 9:30 - 11:30	A11 13:30 - 19:00				
7.3 Micro/Nano patterning and fabrication	B2 9:00 - 11:45	B2 13:15 - 16:30	P8 9:30 - 11:30					
7.4 Buried interface sciences with quantum beam					P8 16:30 - 18:30		A16 9:00 - 12:00	
7.5 Atomic/molecular beams and beam-related new technologies					A16 10:30 - 12:00	P9 16:30 - 18:30		
7.6 Ion beams					P10 16:30 - 18:30		C1 9:00 - 12:00	C1 13:00 - 15:00
8 Plasma Electronics								
8.0 Plasma Electronics English Session			D14 9:00 - 10:45		P9 9:30 - 11:30			
8.1 Plasma production and control				P9 16:00 - 18:00		A28 16:30 - 19:00	A28 9:00 - 11:45	
8.2 Plasma measurements and diagnostics		A27 14:00 - 18:00			P10 9:30 - 11:30			
8.3 Plasma deposition of thin film and surface treatment				P10 16:00 - 18:00	A27 9:00 - 12:30			
8.4 Plasma etching					P11 9:30 - 11:30		A27 9:00 - 13:00	
8.5 8.5 Plasma nanotechnology					P12 9:30 - 11:30	A27 16:30 - 18:45		
8.6 Plasma life sciences				P11 16:00 - 18:00	A28 9:00 - 12:15			
8.7 Plasma phenomena, emerging area of plasmas and their new applications		A28 14:00 - 18:00				P11 16:30 - 18:30		
8.8 Plasma Electronics Invited Lecture			D14 11:00 - 11:30					
Plasma Electronics Award Ceremony			D14 11:30 - 11:45					
9 Applied Materials Science								
9.1 Dielectrics, ferroelectrics		P4 16:00 - 18:00	B5 9:00 - 12:30					
9.2 Nanowires and Nanoparticles			A20 9:30 - 12:15	A20 14:00 - 18:30		P12 16:30 - 18:30		
9.3 Nanoelectronics						P13 16:30 - 18:30	A20 9:00 - 11:45	A20 13:00 - 14:45
9.4 Thermoelectric conversion			A22 9:00 - 12:30	A22 14:00 - 18:00	A22 9:00 - 12:30	P14 16:30 - 18:30		
9.5 New functional materials and new phenomena	A20 10:00 - 11:45	A20 14:00 - 16:30		P5 13:30 - 15:30				
10 Spintronics and Magnetics								
10.1 Emerging materials in spintronics and magnetics (excluding semiconductors)		D11 15:45 - 18:30	D11 9:00 - 11:45					
10.2 Spin torque, spin current, circuits, and measurement technologies				D11 13:15 - 18:30				
10.3 Giant magnetoresistance (GMR), tunnel magnetoresistance (TMR) and magnetic recording technologies		P5 13:30 - 15:30				D11 16:15 - 18:15		D11 13:00 - 15:00
10.4 Semiconductors, organic, optical, and quantum spintronics							D2 9:00 - 12:00	D2 13:00 - 15:00
10.5 Application of magnetic field							D11 9:00 - 12:00	
11 Superconductivity								
11.1 Fundamental properties		A2 14:00 - 16:45		A2 13:30 - 18:00				
11.2 Thin and thick superconducting films, coated conductors and film crystal growth				A1 14:00 - 17:30		A1 12:00 - 19:00		
11.3 Critical Current, Superconducting Power Applications		A1 14:00 - 18:00	P9 9:30 - 11:30					
11.4 Analog applications and their related technologies				A3 14:00 - 17:00			A3 9:00 - 12:00	
11.5 Junction and circuit fabrication processes, digital applications						A2 16:15 - 17:30	A2 9:00 - 12:00	

Schedule by Category III

Category	March 11 (Wed.)		March 12 (Thu.)		March 13 (Fri.)		March 14 (Sat.)	
Section	AM	PM	AM	PM	AM	PM	AM	PM
12 Organic Molecules and Bioelectronics # Code-sharing session 6.6 and 12.2 (See also "Code-sharing session")								
12.1 Fabrications and Structure Controls	D2 9:00 - 12:00	D2 13:15 - 18:00	D2 9:00 - 11:30		P13 9:30 - 11:30			
12.2 Characterization and Materials Physics				P6 13:30 - 15:30		D14 16:30 - 19:00	D14 9:00 - 12:00	D14 13:00 - 15:00
12.3 Functional Materials and Novel Devices	D4 9:00 - 11:45	D4 13:15 - 17:45	D4 9:00 - 11:30	D4 13:15 - 17:45	D4 9:00 - 11:00	P15 16:30 - 18:30		
12.4 Organic light-emitting devices and organic transistors	D3 9:30 - 11:45	D3 13:15 - 18:00	D3 9:00 - 11:45	P12 16:00 - 18:00	D3 9:00 - 11:45		D3 9:15 - 12:00	D3 13:00 - 15:00
12.5 Organic solar cells	D15 9:00 - 11:45	D15 13:15 - 18:00	D15 9:00 - 11:30	P7 13:30 - 15:30	D15 9:00 - 12:00	D15 16:30 - 19:00	D15 9:00 - 12:00	D15 13:00 - 15:00
12.6 Nanobiotechnology	D5 9:30 - 11:45	D5 13:15 - 18:00	P10 9:30 - 11:30		D5 9:30 - 11:45	D5 16:30 - 19:00		
12.7 Biomedical Engineering and Biochips	D6 9:00 - 11:45	D6 13:15 - 18:00	P11 9:30 - 11:30		D6 9:00 - 11:45	D6 16:15 - 19:15	D6 9:00 - 12:00	
13 Semiconductors # Code-sharing session 3.11 and 13.7, 13.10 and 15.2 (See also "Code-sharing session")								
13.1 Fundamental properties, surface and interface, and simulations of Si related materials	A27 9:00 - 12:30		A27 10:00 - 12:30	A27 14:00 - 18:00		P16 16:30 - 18:30		
13.2 Exploratory Materials, Physical Properties, Devices				P8 13:30 - 15:30	A25 9:00 - 12:30	A25 16:15 - 19:15	A25 9:00 - 12:00	A25 13:00 - 14:00
13.3 Insulator technology			P12 9:30 - 11:30		A24 9:00 - 12:30		A24 9:00 - 12:15	
13.4 Si wafer processing /MEMS/Integration technology	A29 9:00 - 12:30	A29 14:00 - 17:30	A29 9:00 - 12:00		P14 9:30 - 11:30		A29 9:00 - 12:00	A29 13:00 - 15:00
13.5 Semiconductor devices and related technologies	A23 9:00 - 12:15	A23 14:00 - 17:30	P13 9:30 - 11:30	A23 14:00 - 17:30	A23 9:00 - 12:30	A23 16:15 - 19:00		
13.6 Semiconductor English Session			A23 9:00 - 12:15					
13.7 Quantum properties and fabrications of nanoscale structures and devices	A10 9:15 - 12:30			A24 14:00 - 15:45 P13 16:00 - 18:00				
13.8 Compound and power electron devices and process technology	A21 9:00 - 12:00	A21 14:00 - 17:15	A21 9:00 - 12:30	A21 14:00 - 17:30		P17 16:30 - 18:30		
13.9 Optical properties and light-emitting devices	A25 9:30 - 12:15	A25 13:30 - 17:30	A25 9:00 - 12:30	A25 14:00 - 17:00		P18 16:30 - 18:30		
13.10 Compound solar cells			A26 10:00 - 12:00		A26 9:30 - 12:15		A26 9:30 - 12:00	
15 Crystal Engineering # Code-sharing session 13.10 and 15.2 (See also "Code-sharing session")								
15.1 Bulk crystal growth			D13 9:30 - 11:45	P14 16:00 - 18:00			D13 10:00 - 12:00	
15.2 II-VI and related compounds				P15 16:00 - 18:00		A17 16:15 - 19:15		
15.3 III-V-group epitaxial crystals					P15 9:30 - 11:30	D4 16:15 - 19:00	D4 9:00 - 11:30	D4 13:00 - 14:15
15.4 III-V-group nitride crystals	B1 8:30 - 11:45	B1 13:15 - 18:45	B1 8:30 - 11:45	B1 13:15 - 19:45 P16 16:00 - 18:00	B1 8:30 - 13:00	B1 16:15 - 18:00		
15.5 Group IV crystals and alloys	D7 9:00 - 12:00	D7 13:30 - 17:15	D5 10:00 - 12:00	P17 16:00 - 18:00				
15.6 Group IV Compound Semiconductors		P2 13:30 - 15:30	B4 9:00 - 11:45		B4 9:00 - 11:45	B4 16:15 - 18:30	B4 9:00 - 12:30	
15.7 Fundamentals of epitaxy					P16 9:30 - 11:30			D4 14:15 - 15:00
15.8 Crystal evaluation, impurities and crystal defects				A18 14:00 - 19:00	P17 9:30 - 11:30			
16 Amorphous and Microcrystalline Materials								
16.1 Fundamental properties and their evaluation in disordered materials		P6 16:00 - 18:00	A28 9:15 - 12:30	A28 14:00 - 17:15				
16.3 Bulk, thin-film and other silicon-based solar cells	C2 9:00 - 12:30	C2 14:00 - 15:45 P6 16:00 - 18:00	A18 9:00 - 12:30	C2 13:45 - 19:00	C2 9:00 - 11:00			
17 Nanocarbon Technology								
17.1 Growth technology			D6 10:15 - 11:45	D7 13:15 - 19:00				D7 14:30 - 15:15
17.2 Structure control and process			D7 9:00 - 11:45 D6 9:15 - 10:15			D8 18:30 - 19:00		
17.3 Exploration of new functions and evaluation of basic properties	P6 9:30 - 11:30	D8 16:45 - 18:00			D8 9:00 - 11:45 D7 9:30 - 11:45	D8 16:15 - 18:30		
17.4 Device applications				D6 13:15 - 16:45			D7 9:00 - 12:00	D7 13:00 - 14:30
Joint Session K								
Joint Session K	D1 9:30 - 11:45	D1 13:15 - 17:45	D1 9:00 - 12:15		P18 9:30 - 11:30	D1 16:15 - 19:15	D1 9:00 - 11:30	

Schedule by Category IV

Category	March 11 (Wed.)		March 12 (Thu.)		March 13 (Fri.)		March 14 (Sat.)	
	AM	PM	AM	PM	AM	PM	AM	PM
Special symposium								
Women in Applied Physics - Part III: Bioelectronics -					B3 9:00 - 12:00			
PHONON ENGINEERING: material science, theory/simulation and measurement technologies for Nano-scale thermal management and device innovation							B2 8:45 - 15:00	
Science Square in Shonan Campus of Tokai University Part 1 symposium							F1 9:00 - 10:50	
Science Square in Shonan Campus of Tokai University Part 2 Science Square and Science Shows							E1 11:00 - 15:00	
Smart Energy Revolution form KANAGAWA				E1 13:00 - 16:45				
Kickoff Symposium for Group of Research and Joint-Effort on Industry-Academia Partnership				B2 13:30 - 17:30				
Symposium								
Quantum Photonics: Toward a new paradigm of quantum information technology		B4 13:30 - 17:15						
Fabrication and characterization of nano-structures prepared with advanced shadowing deposition systems		D9 13:15 - 17:00						
Advanced CMOS Technology and Its Future Scope		B5 13:15 - 17:30						
Ionizing radiation optics				A19 14:00 - 17:15				
Advanced and Practical 3D Fabrication Techniques Using Lasers				B6 13:30 - 18:00				
Polarity-reversed optical device handling quantum photons				D2 13:15 - 17:00				
Theory and Practice of Nanoelectron-photon Interaction via Dissipation and Fluctuations				A12 14:00 - 17:45				
Optical sensing utilized in space and earth observations				B3 13:30 - 16:15				
Guidelines for Development of Ferroelectric Materials in the Following Generation				B5 13:30 - 17:30				
New functionality of oxides generated by spin-orbit interaction				D10 13:15 - 18:30				
Recent development of titanium dioxide				D9 13:15 - 17:30				
The latest trend of the lithography technology				C3 13:15 - 15:30				
Synthesizing methods for fine particles and their latest applications				D14 13:30 - 18:45				
Visualization and application of biointerfaces				D5 13:15 - 17:15				
How should we behave as future scientists? - Innovative value creation of integration technology by young generations -				A29 13:00 - 17:00				
Sensing Technologies for the Future of Automobile Society~The Prospect and Challenge of Autonomous Driving System~				D15 14:00 - 17:15				
Valence-electron metamorphology in oxide semiconductors				D1 13:15 - 18:30				
Progress of power semiconductors, toward wide band-gap materials beyond silicon				B4 13:15 - 18:15				
Research forefront of shock wave and high & micro-gravity application science					D13 9:00 - 13:00			
A vision of future spintronics ~What is the next in spintronics?					B6 9:00 - 12:30			
Memorial Symposium for Prof. K. Kitazawa and Prof. H. Maeda					B2 9:00 - 11:45	B2 16:15 - 18:45		
Growth and characterization of bulk crystalline silicon for photovoltaic application						C2 13:15 - 18:15		
Materials science of singularity in nitride semiconductors-Growth, processing and electronic application-							B1 8:30 - 11:45	B1 12:45 - 15:00
State of the art technology in electron and focused-ion-beam apparatuses		B3 13:15 - 17:15						
Feasibility of integration of perovskite semiconductors into multinary compounds solar cells	B6 9:00 - 11:45	B6 13:15 - 17:00						
Code-sharing session								
3.5 Laser system and materials and 3.14 Optical control devices and optical fibers					A13 9:00 - 11:15			
3.11 Photonic structures and 13.7 Quantum properties and fabrications of nanoscale structures and devices			A10 9:00 - 12:30					
6.6 Probe Microscopy and 12.2 Characterization and Materials Physics					D14 9:00 - 12:00			
13.10 Compound solar cells and 15.2 II-VI and related compounds				A26 13:30 - 17:45	A17 9:00 - 12:15	P19 16:30 - 18:30		