

Schedule by Room (I)

Room	Cap.	September 20 (Tue.)		September 21 (Wed.)		September 22 (Thu.)		September 23 (Fri.)	
		AM	PM	AM	PM	AM	PM	AM	PM
A101	66	09:00 ~ 12:00 3.10 Photonic structures and phenomena (formerly 3.11)	13:15 ~ 17:45 3.10 Photonic structures and phenomena (formerly 3.11)	09:00 ~ 12:00 3.10 Photonic structures and phenomena (formerly 3.11)	13:15 ~ 17:45 3.10 Photonic structures and phenomena (formerly 3.11)	09:00 ~ 10:45 3.11 Nanoscale optical science and near-field optics (formerly 3.12)	15:45 ~ 18:30 CS.4 Code-sharing Session of 3.10 & 3.11	09:00 ~ 11:30 3.11 Nanoscale optical science and near-field optics (formerly 3.12)	13:00 ~ 16:30 3.11 Nanoscale optical science and near-field optics (formerly 3.12)
A102	66	09:00 ~ 12:00 2.1 Detection Devices	13:00 ~ 16:00 2.1 Detection Devices	09:30 ~ 11:15 9.3 Nanoelectronics	13:00 ~ 15:45 9.3 Nanoelectronics	09:00 ~ 11:45 13.5 Semiconductor devices/ Interconnect/ Integration technologies	13:00 ~ 17:45 2.4 Medical application	09:00 ~ 12:00 2.5 Radiation-induced phosphors	13:00 ~ 16:45 2.5 Radiation-induced phosphors
A105	66	09:00 ~ 11:30 8.1 Plasma production and diagnostics	14:00 ~ 17:00 8.1 Plasma production and diagnostics	09:00 ~ 11:30 15.3 III-V group epitaxial crystals, Fundamentals of epitaxy	13:00 ~ 15:30 15.3 III-V group epitaxial crystals, Fundamentals of epitaxy	09:00 ~ 12:00 12.7 Biomedical Engineering and Biochips	13:00 ~ 18:45 12.7 Biomedical Engineering and Biochips	09:00 ~ 12:30 12.7 Biomedical Engineering and Biochips	13:30 ~ 17:00 12.7 Biomedical Engineering and Biochips
A106	66	09:00 ~ 11:00 8.4 Plasma life sciences	13:00 ~ 17:15 8.4 Plasma life sciences	09:00 ~ 11:15 15.5 Group IV crystals and alloys	13:00 ~ 17:45 15.5 Group IV crystals and alloys	09:00 ~ 11:15 12.6 Nanobiotechnology	13:00 ~ 17:45 12.6 Nanobiotechnology		
A200	166	09:00 ~ 11:30 17.3 Layered materials	13:30 ~ 18:10 T22 Past, current, and future of hexagonal BN	09:00 ~ 12:30 CS.9 Code-sharing Session of 12.6 & 12.7	13:30 ~ 17:45 T12 Future perspectives in Spintronics "Memorial symposium of 20th anniversary of JSAP Spintronics professional group"	09:40 ~ 12:00 NT2 Must-see for job hunting students! I have been an engineer thanks to JSAP - Message from us working in rapidly growing semiconductor industry -	13:30 ~ 18:00 T18 Latest trend of quantum information technology based on semiconductors		13:30 ~ 16:30 NT1 New Interfaces for Human Augmentation
A202	66	09:00 ~ 11:00 3.1 Basic optics and frontier of optics (merged with formerly 3.2 Equipment optics and materials)	13:00 ~ 18:00 3.1 Basic optics and frontier of optics (merged with formerly 3.2 Equipment optics and materials)	09:30 ~ 11:15 3.8 Terahertz technologies (formerly 3.9)	13:00 ~ 16:30 3.8 Terahertz technologies (formerly 3.9)	09:00 ~ 11:30 6.2 Carbon-based thin films	13:00 ~ 19:00 6.2 Carbon-based thin films	09:00 ~ 11:30 6.2 Carbon-based thin films	13:00 ~ 17:00 6.2 Carbon-based thin films
A205	66	13:00 ~ 16:30 6.6 Probe Microscopy	13:00 ~ 16:30 6.6 Probe Microscopy	09:00 ~ 11:45 3.14 Silicon photonics and integrated photonics (formerly 3.15)	13:00 ~ 18:45 3.14 Silicon photonics and integrated photonics (formerly 3.15)	09:00 ~ 12:00 10.2 Fundamental and exploratory device technologies for spin	13:30 ~ 18:30 10.2 Fundamental and exploratory device technologies for spin	09:00 ~ 12:30 10.2 Fundamental and exploratory device technologies for spin	
A301	42	13:15 ~ 16:45 1.5 Instrumentation, measurement and Metrology	13:15 ~ 16:45 1.5 Instrumentation, measurement and Metrology	09:00 ~ 11:00 16.1 Fundamental properties, evaluation, process and devices in disordered materials	13:00 ~ 16:45 1.3 Novel technologies and interdisciplinary engineering	09:00 ~ 11:15 16.1 Fundamental properties, evaluation, process and devices in disordered materials	13:30 ~ 17:45 16.1 Fundamental properties, evaluation, process and devices in disordered materials		
A302	42	13:00 ~ 15:30 1.1 Interdisciplinary and General Physics	13:00 ~ 15:30 1.1 Interdisciplinary and General Physics	09:00 ~ 11:00 16.1 Fundamental properties, evaluation, process and devices in disordered materials	13:00 ~ 15:30 11.1 Fundamental properties	09:15 ~ 11:30 11.1 Fundamental properties	13:00 ~ 16:30 11.1 Fundamental properties		
A304	42	13:00 ~ 17:15 9.1 Dielectrics, ferroelectrics	13:00 ~ 17:15 9.1 Dielectrics, ferroelectrics	09:00 ~ 11:00 16.2 Energy Harvesting	13:00 ~ 16:45 11.2 Thin and thick superconducting films, coated conductors and film crystal growth	09:00 ~ 11:30 11.3 Critical Current, Superconducting Power Applications			
A306	42	14:00 ~ 16:30 Tutorial (Advance Reservation Needed)	14:00 ~ 16:30 Tutorial (Advance Reservation Needed)	09:00 ~ 11:30 3.6 Laser processing (formerly 3.7)	13:00 ~ 17:30 11.4 Analog applications and their related technologies	09:00 ~ 11:30 11.4 Analog applications and their related technologies	13:00 ~ 14:45 11.5 Junction and circuit fabrication process, digital applications	09:00 ~ 11:00 1.4 Energy conversion, storage, resources and environment	13:00 ~ 16:15 1.4 Energy conversion, storage, resources and environment
A307	91	10:00 ~ 11:30 T15 Innovative Properties Brought by Hetero-structure Materials	13:00 ~ 16:45 T15 Innovative Properties Brought by Hetero-structure Materials	09:00 ~ 11:15 3.1 Basic optics and frontier of optics (merged with formerly 3.2 Equipment optics and materials)	13:30 ~ 17:15 T23 Recent Advances in Topological Photonics/Mechanics and Related Science	09:00 ~ 10:45 13.9 Compound solar cells	13:30 ~ 18:00 CS.7 Code-sharing Session of 6.1 & 13.3 & 13.5	09:30 ~ 10:45 8.5 Plasma phenomena, emerging area of plasmas and their new applications	13:30 ~ 15:30 T2 Human Resource Development and Education Initiatives in Science Education and Isr Revitalization - Tohoku Region-
A401	91	13:30 ~ 17:40 T14 Neuroscience, neuroengineering, and neurocomputing for next-generation ICT and medicine	13:30 ~ 17:40 T14 Neuroscience, neuroengineering, and neurocomputing for next-generation ICT and medicine	10:00 ~ 12:05 T11 Cutting-edge Research and Perspectives of Artificial Odor (Smell) Electronics and Informatics	13:30 ~ 16:15 T11 Cutting-edge Research and Perspectives of Artificial Odor (Smell) Electronics and Informatics	10:00 ~ 11:30 6.3 Oxide electronics	13:30 ~ 18:30 T7 Swarm intelligence: Emergent intelligence in a swarm of creatures, robots, or materials		
A402	42	13:00 ~ 14:30 9.4 Thermoelectric conversion	13:00 ~ 14:30 9.4 Thermoelectric conversion			09:00 ~ 11:30 3.4 Laser system and materials (formerly 3.5)	13:00 ~ 16:30 3.4 Laser system and materials (formerly 3.5)		
A404	66	09:00 ~ 11:30 3.9 Optical quantum physics and technologies (formerly 3.10)	13:00 ~ 17:45 3.9 Optical quantum physics and technologies (formerly 3.10)	09:00 ~ 11:30 3.9 Optical quantum physics and technologies (formerly 3.10)	13:00 ~ 17:45 3.11 Nanoscale optical science and near-field optics (formerly 3.12)	09:00 ~ 09:30 7.4 Buried interface sciences with quantum beam	15:15 ~ 15:30 8.6 Plasma Electronics English Session	10:00 ~ 11:30 CS.7 Code-sharing Session of 3.4 & 3.13	13:00 ~ 15:00 8.5 Plasma phenomena, emerging area of plasmas and their new applications
A406	66	09:00 ~ 11:30 13.4 Si processing /Si based thin film / MEMS / Equipment technology	13:00 ~ 16:30 13.4 Si processing /Si based thin film / MEMS / Equipment technology	09:00 ~ 11:15 13.4 Si processing /Si based thin film / MEMS / Equipment technology	15:00 ~ 17:30 3.13 Optical control devices and optical fibers (formerly 3.14)	09:00 ~ 10:15 13.4 Si processing /Si based thin film / MEMS / Equipment technology	13:00 ~ 17:00 8.2 Plasma deposition of thin film, plasma etching and surface treatment	09:00 ~ 10:15 3.13 Optical control devices and optical fibers (formerly 3.14)	13:00 ~ 15:45 3.13 Optical control devices and optical fibers (formerly 3.14)

Schedule by Room (II)

Room	September 20 (Tue.)			September 21 (Wed.)			September 22 (Thu.)			September 23 (Fri.)		
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
B101	09:30 ~ 12:15 10.3 Spin devices, magnetic memories and storages	13:45 ~ 17:30 10.3 Spin devices, magnetic memories and storages	09:30 ~ 12:00 T1.3 Creation and application of perovskite as a next-generation materials	13:30 ~ 16:30 T1.3 Creation and application of perovskite as a next-generation materials	09:00 ~ 12:00 FS.1 Focused Session	13:30 ~ 17:45 T8 Co-evolution of advanced analysis and functional oxide research	09:00 ~ 11:45 8.2 Plasma deposition of thin film, plasma etching and surface treatment	13:30 ~ 17:00 9.2 Nanoparticles, Nanowires and Nanosheets				
B102	09:45 ~ 12:05 T20 Recent Progress of Energy Harvesting	13:30 ~ 16:50 T20 Recent Progress of Energy Harvesting	09:00 ~ 12:10 T3 Recent trends in radiation detection and measurements and impact of new CORONA infections on Related Research	13:30 ~ 17:50 T6 Future-oriented ventures and their support system ~Innovation and development of new business created by photonics V~	09:00 ~ 10:30 15.2 II-VI and related compounds	13:30 ~ 17:30 T17 Revisiting semiconductor light-emitting materials and optical characterization by unique spectroscopic approaches	09:00 ~ 12:00 CS.8 Code-sharing Session of 8.3 & 9.2 & 13.6	13:30 ~ 15:45 8.3 Plasma nanotechnology				
B103	09:00 ~ 12:15 6.1 Ferroelectric thin films	13:30 ~ 19:00 6.1 Ferroelectric thin films	09:00 ~ 12:00 10.5 Application of magnetic field	13:30 ~ 17:30 T19 Semiconductor Manufacturing and Process Technologies for Green Transformation	09:00 ~ 12:15 12.5 Organic solar cells	13:30 ~ 18:30 12.5 Organic solar cells	09:00 ~ 12:15 12.5 Organic solar cells	13:30 ~ 17:00 12.5 Organic solar cells				
B104	09:00 ~ 12:00 12.4 Organic light-emitting devices and organic transistors	13:30 ~ 19:00 12.4 Organic light-emitting devices and organic transistors	09:00 ~ 12:00 10.5 Application of magnetic field	13:30 ~ 17:30 T19 Semiconductor Manufacturing and Process Technologies for Green Transformation	09:30 ~ 12:00 12.4 Organic light-emitting devices and organic transistors	13:30 ~ 17:30 12.4 Organic light-emitting devices and organic transistors	09:00 ~ 12:15 12.5 Organic solar cells	13:30 ~ 17:00 12.5 Organic solar cells				
B200	09:00 ~ 11:10 T5 New Frontiers on Glasses and Glassy states ~2022 International Glass Year YOG Memorial Symposium~	13:30 ~ 17:35 T5 New Frontiers on Glasses and Glassy states ~2022 International Glass Year YOG Memorial Symposium~	09:00 ~ 10:00 8.8 Plasma Electronics Division Award Speech	13:15 ~ 18:45 T9 Applied Physics to control cell fate: Innovation by plasma science and biotechnology	09:00 ~ 11:55 T10 Cutting edge of Thermoelectric Researches in Industry and Academia: from Materials Informatics to IoT applications	13:30 ~ 17:35 T10 Cutting edge of Thermoelectric Researches in Industry and Academia: from Materials Informatics to IoT applications	10:00 ~ 11:50 T24 Innovation and application of measurement informatics	13:00 ~ 17:00 T24 Innovation and application of measurement informatics				
B201	09:00 ~ 12:00 15.4 III-V-group nitride crystals	13:30 ~ 18:00 15.4 III-V-group nitride crystals	09:00 ~ 12:00 2.1 Detection Devices	13:30 ~ 18:00 15.4 III-V-group nitride crystals	09:00 ~ 12:00 10.1 Emerging materials in spintronics and magnetics (including fabrication and characterization methodologies)	13:30 ~ 16:15 10.1 Emerging materials in spintronics and magnetics (including fabrication and characterization methodologies)	09:00 ~ 12:15 10.4 Spintronics in semiconductor, topological material, superconductor, and multiferroics	13:45 ~ 16:45 10.4 Spintronics in semiconductor, topological material, superconductor, and multiferroics				
B202	10:00 ~ 11:00 Award Ceremony	13:30 ~ 16:30 15.4 III-V-group nitride crystals	09:00 ~ 12:00 13.9 Compound solar cells	13:30 ~ 17:00 13.9 Compound solar cells	09:00 ~ 12:00 17.3 Layered materials	13:30 ~ 18:00 17.2 Graphene	09:00 ~ 12:00 17.2 Graphene	13:30 ~ 17:00 17.2 Graphene				
B203	09:00 ~ 11:45 21.1 Joint Session K "Wide bandgap oxide semiconductor materials and devices"	13:00 ~ 19:00 21.1 Joint Session K "Wide bandgap oxide semiconductor materials and devices"	09:00 ~ 12:00 21.1 Joint Session K "Wide bandgap oxide semiconductor materials and devices"	13:15 ~ 18:45 21.1 Joint Session K "Wide bandgap oxide semiconductor materials and devices"	09:00 ~ 11:45 17.1 Carbon nanotubes & other nanocarbon materials	13:30 ~ 19:00 17.1 Carbon nanotubes & other nanocarbon materials	09:00 ~ 12:00 17.1 Carbon nanotubes & other nanocarbon materials	13:30 ~ 17:00 17.3 Layered materials				
B204	09:00 ~ 12:00 6.3 Oxide electronics	13:30 ~ 17:00 6.3 Oxide electronics	09:00 ~ 11:45 6.3 Oxide electronics	13:30 ~ 18:00 6.3 Oxide electronics	09:00 ~ 12:00 13.7 Compound and power devices, process technology and characterization	13:30 ~ 18:15 13.7 Compound and power devices, process technology and characterization	09:00 ~ 12:00 13.7 Compound and power devices, process technology and characterization	13:30 ~ 16:45 13.7 Compound and power devices, process technology and characterization				
C101	09:00 ~ 12:30 7.3 Micro/Nano patterning and fabrication	13:30 ~ 18:15 16.3 Bulk, thin-film and other silicon-based solar cells	09:30 ~ 12:00 13.8 Optical properties and light-emitting devices	13:30 ~ 17:30 13.8 Optical properties and light-emitting devices	09:15 ~ 12:15 CS.5 Code-sharing Session of 3.10 & 3.12	13:30 ~ 17:00 1.2 Education	09:00 ~ 12:15 13.2 Exploratory Materials, Physical Properties, Devices	13:45 ~ 17:00 13.2 Exploratory Materials, Physical Properties, Devices				
C102	09:45 ~ 11:45 9.5 New functional materials and new phenomena	13:30 ~ 17:45 9.5 New functional materials and new phenomena	09:00 ~ 12:00 9.4 Thermoelectric conversion	13:30 ~ 18:15 9.4 Thermoelectric conversion	09:45 ~ 12:00 22.1 Joint Session M "Phonon Engineering"	13:30 ~ 18:00 22.1 Joint Session M "Phonon Engineering"	09:45 ~ 12:00 22.1 Joint Session M "Phonon Engineering"	13:15 ~ 17:00 13.3 Insulator technology				
C105	09:00 ~ 12:00 12.3 Functional Materials and Novel Devices	13:30 ~ 17:45 12.3 Functional Materials and Novel Devices	09:00 ~ 12:15 13.5 Semiconductor devices/ Interconnect/ Integration technologies	13:30 ~ 16:30 13.5 Semiconductor devices/ Interconnect/ Integration technologies	09:00 ~ 11:45 12.3 Functional Materials and Novel Devices	13:30 ~ 18:00 1.6 Ultrasonics	09:00 ~ 12:00 12.3 Functional Materials and Novel Devices	13:30 ~ 16:45 12.3 Functional Materials and Novel Devices				
C106	09:00 ~ 11:30 12.1 Fabrications and Structure Controls	13:30 ~ 17:30 12.1 Fabrications and Structure Controls	09:00 ~ 11:45 12.1 Fabrications and Structure Controls	13:30 ~ 16:30 6.5 Surface Physics, Vacuum	09:00 ~ 12:00 12.2 Characterization and Materials Physics	13:30 ~ 18:00 12.2 Characterization and Materials Physics	09:00 ~ 11:15 12.2 Characterization and Materials Physics	13:30 ~ 16:30 15.4 III-V-group nitride crystals				
C200	09:00 ~ 12:00 15.4 III-V-group nitride crystals	13:30 ~ 18:30 T4 Device and material technologies based on wireless and optics convergence toward next-generation THz-communication	09:00 ~ 12:00 15.4 III-V-group nitride crystals	13:30 ~ 16:15 T1 Expectations for applied physics for the utilization of unused energy	09:00 ~ 12:00 15.4 III-V-group nitride crystals	13:30 ~ 18:00 15.4 III-V-group nitride crystals	09:00 ~ 12:00 15.4 III-V-group nitride crystals	13:30 ~ 16:30 15.4 III-V-group nitride crystals				
C201	09:30 ~ 11:30 2.2 Radiation physics fundamentals & applications, radiation generators, new technology	13:30 ~ 15:45 2.2 Radiation physics fundamentals & applications, radiation generators, new technology	09:00 ~ 12:00 FS.1 Focused Session	13:30 ~ 16:30 6.6 Probe Microscopy	09:00 ~ 11:45 3.8 Terahertz technologies (formerly 3.9)	16:00 ~ 17:30 3.8 Terahertz technologies (formerly 3.9)	09:00 ~ 12:00 3.8 Terahertz technologies (formerly 3.9)	13:30 ~ 16:00 4.6 Terahertz Photonics				
C202	09:00 ~ 12:00 15.7 Crystal characterization, impurities and crystal defects	13:30 ~ 15:45 15.7 Crystal characterization, impurities and crystal defects	09:00 ~ 12:00 17.3 Layered materials	15:45 ~ 17:45 17.3 Layered materials	09:30 ~ 11:30 6.4 Thin films and New materials	13:00 ~ 16:15 6.4 Thin films and New materials	10:00 ~ 12:00 4.6 Terahertz Photonics	13:30 ~ 16:00 4.6 Terahertz Photonics				
C205	13:30 ~ 17:15 CS.2 Code-sharing Session of 3.2 & 4.4	13:30 ~ 17:15 CS.2 Code-sharing Session of 3.2 & 4.4	10:00 ~ 12:00 CS.2 Code-sharing Session of 3.2 & 4.4	15:45 ~ 18:30 3.2 Information photonics and image engineering (formerly 3.3)	09:15 ~ 12:00 CS.1 Code-sharing Session of 2.3 & 7.5	13:30 ~ 17:45 CS.1 Code-sharing Session of 2.3 & 7.5	09:30 ~ 11:15 4.3 Lasers and laser materials processing	13:15 ~ 17:00 4.3 Lasers and laser materials processing				
C206	09:30 ~ 11:45 15.1 Bulk crystal growth	13:30 ~ 16:45 15.1 Bulk crystal growth	09:00 ~ 12:30 13.1 Fundamental properties, surface and interface, and simulations of 5I related materials	13:30 ~ 17:00 7.1 X-ray technologies	09:00 ~ 12:00 3.5 Ultrashort-pulse and high-intensity lasers (formerly 3.6)	13:30 ~ 17:00 3.5 Ultrashort-pulse and high-intensity lasers (formerly 3.6)	09:00 ~ 11:00 3.5 Ultrashort-pulse and high-intensity lasers (formerly 3.6)	13:30 ~ 16:45 3.5 Ultrashort-pulse and high-intensity lasers (formerly 3.6)				

Schedule by Room (III)

Room	Cap.	September 20 (Tue.)		September 21 (Wed.)		September 22 (Thu.)		September 23 (Fri.)	
		AM	PM	AM	PM	AM	PM	AM	PM
C301	66	09:00 ~ 11:45 3.3 Biomedical optics (formerly 3.4)	13:30 ~ 18:15 3.3 Biomedical optics (formerly 3.4)	09:00 ~ 11:45 3.12 Semiconductor optical devices (formerly 3.13)	13:30 ~ 16:15 3.12 Semiconductor optical devices (formerly 3.13)	09:00 ~ 12:00 3.6 Laser processing (formerly 3.7)	13:30 ~ 18:15 3.6 Laser processing (formerly 3.7)	09:00 ~ 12:00 3.6 Laser processing (formerly 3.7)	13:30 ~ 16:00 3.6 Laser processing (formerly 3.7)
C302	66	09:00 ~ 11:30 6.4 Thin films and New materials	13:30 ~ 16:45 6.4 Thin films and New materials	09:00 ~ 12:30 4.5 Nanocarbon and 2D Materials	13:30 ~ 15:45 4.8 Optics Special Lecture 16:15 ~ 19:00 4.7 Quantum Optics and Nonlinear Optics	09:00 ~ 10:30 4.7 Quantum Optics and Nonlinear Optics	13:30 ~ 18:15 3.7 Optical measurement, instrumentation, and sensor (formerly 3.8)	09:00 ~ 11:30 3.7 Optical measurement, instrumentation, and sensor (formerly 3.8)	13:30 ~ 16:30 3.7 Optical measurement, instrumentation, and sensor (formerly 3.8)
C304	42	09:00 ~ 12:15 4.1 Plasmonics and Nanophotonics	13:30 ~ 17:30 4.1 Plasmonics and Nanophotonics	09:00 ~ 11:45 4.2 Photonics Devices, Photonic Integrated Circuit and Silicon Photonics	13:30 ~ 15:15 4.2 Photonics Devices, Photonic Integrated Circuit and Silicon Photonics				
C306	42	09:00 ~ 12:00 15.6 Group IV Compound Semiconductors (SiC)	13:30 ~ 15:45 15.6 Group IV Compound Semiconductors (SiC)	09:00 ~ 11:45 7.2 Applications and technologies of electron beams	13:30 ~ 14:45 7.2 Applications and technologies of electron beams				
C401	42		13:30 ~ 18:00 13.6 Nanostructures, quantum phenomena, and nano quantum devices						
M206	144	09:00 ~ 12:00 FS.1 Focused Session	13:30 ~ 18:15 T25 In-material AI computing	09:00 ~ 12:30 13.7 Compound and power devices, process technology and characterization	13:30 ~ 17:35 T16 Forefront of interface science and technology of wide bandgap semiconductor-MOS devices	09:00 ~ 12:00 23.1 Joint Session N "Informatics"	13:30 ~ 18:00 23.1 Joint Session N "Informatics"	09:00 ~ 12:00 FS.1 Focused Session	13:30 ~ 17:00 FS.1 Focused Session
P01 ~ P20	Poster Session	<p>[09:30-11:30]</p> <p>1.3 Novel technologies and interdisciplinary engineering</p> <p>1.4 Energy conversion, storage, resources and environment</p> <p>1.5 Instrumentation, measurement and Metrology</p> <p>1.6 Ultrasonics</p> <p>12.6 Nanobiotechnology</p> <p>12.7 Biomedical Engineering and Biochips</p> <p>13.1 Fundamental properties, surface and interface, and simulations of Si related materials</p> <p>13.2 Exploratory Materials, Physical Properties, Devices</p> <p>23.1 Joint Session N "Informatics"</p>	<p>[13:30-16:30]</p> <p>6.5 Surface Physics, Vacuum</p> <p>12.5 Organic solar cells</p> <p>[09:30-11:30]</p> <p>6.2 Carbon-based thin films</p> <p>10 Spintronics and Magnetics</p> <p>11 Superconductivity</p> <p>12.4 Organic light-emitting devices and organic transistors</p> <p>[09:30-11:30]</p> <p>1.2 Education</p> <p>2 Ionizing Radiation</p> <p>6.6 Probe Microscopy</p> <p>8 Plasma Electronics</p>	<p>[13:30-16:30]</p> <p>3.1 Basic optics and frontier of optics (merged with formerly 3.2 Equipment optics and materials)</p> <p>3.2 Information photonics and image engineering (formerly 3.3)</p> <p>3.3 Biomedical optics (formerly 3.4) (formerly 3.5)</p> <p>3.6 Laser processing (formerly 3.7)</p> <p>3.9 Optical quantum physics and technologies (formerly 3.10)</p> <p>9.1 Dielectrics, ferroelectrics</p> <p>9.2 Nanoparticles, Nanowires and Nanosheets</p> <p>9.4 Thermoelectric conversion</p> <p>9.5 New functional materials and new phenomena</p> <p>16.3 Bulk, thin-film and other silicon-based solar cells</p> <p>17 Nanocarbon Technology</p> <p>FS.1 Focused Session</p>	<p>[13:30-16:30]</p> <p>3.7 Optical measurement, instrumentation, and sensor (formerly 3.8)</p> <p>3.8 Terahertz technologies (formerly 3.9)</p> <p>3.10 Photonic structures and phenomena (formerly 3.11)</p> <p>3.11 Nanoscale optical science and near-field optics (formerly 3.12)</p> <p>3.12 Semiconductor optical devices (formerly 3.13)</p> <p>3.14 Silicon photonics and integrated photonics (formerly 3.15)</p> <p>6.3 Oxide electronics</p> <p>13.9 Compound solar cells</p> <p>15.1 Bulk crystal growth</p> <p>15.3 III-V-group epitaxial crystals, Fundamentals of epitaxy</p> <p>15.5 Group IV crystals and alloys</p> <p>15.7 Crystal characterization, impurities and crystal defects</p> <p>[16:00-18:00]</p> <p>12.1 Fabrications and Structure Controls</p> <p>13.6 Nanostructures, quantum phenomena, and nano quantum devices</p> <p>13.8 Optical properties and light-emitting devices</p> <p>15.2 II-VI and related compounds</p> <p>15.4 III-V-group nitride crystals</p>	<p>[09:30-11:30]</p> <p>3.5 Ultrashort-pulse and high-intensity lasers (formerly 3.6)</p> <p>3.13 Optical control devices and optical fibers (formerly 3.14)</p> <p>7 Beam Technology and Nanofabrication</p> <p>13.3 Insulator technology</p> <p>13.4 Si processing /SI based thin film / MEMS / Equipment technology</p> <p>21 Joint Session K "Wide bandgap oxide semiconductor materials and devices"</p>			