Schedule by Room (I)

Room		Cap.	March 19 (Sat.)		March 20 (Sun.)		March 21 (Mon.)		March 22 (Tue.)	
			AM	PM	AM	PM	AM	PM	AM	PM
KD	KD	644		Special Symposium Decline and Revival of Science and Industry: Applied Physics and Future Society	8.2 Plasma measurements and diagnostics 8.11 Achievement Award Speech	8.10 Plasma Electronics Award Ceremony S.16 Plasma Processing in Space Science and Engineering		S.20 Advanced high efficiency and low cost crystal silicon solar cells	Special Symposium PHONON ENGINEERING AND ITS WINDENING APPLICATIONS: nano-scale physics and new thermal management solutions for heat transfer, insulator, storage and conversion	Special Symposium PHONON ENGINEERING AND ITS WINDENING APPLICATIONS: nano-scale physics and new thermal management solutions for heat transfer, insulator, storage and conversion
H	H101	200		S.3 30th Anniversary Symposium on the Discovery of Cuprate Superconductors	15.6 Group IV Compound Semiconductors (SiC)	15.6 Group IV Compound Semiconductors (SiC)	15.6 Group IV Compound Semiconductors (SiC)	SP4 Women in Applied Physics - Part4: Plasma Electronics -	S.22 Cavity & circuit-QED: frontier research at the leading edge	
	H103	96		6.2 Carbon-based thin films	6.2 Carbon-based thin films	6.2 Carbon-based thin films	6.4 Thin films and New materials	6.4 Thin films and New materials		6.4 Thin films and New materials
	H111	112	6.3 Oxide electronics	6.3 Oxide electronics	6.3 Oxide electronics	S.14 Frontiers of new functional oxides - more oxide, beyond oxide-	6.3 Oxide electronics	6.3 Oxide electronics		
	H112	80	15.1 Bulk crystal growth	15.1 Bulk crystal growth	15.5 Group IV crystals and alloys	15.5 Group IV crystals and alloys	15.7 Fundamentals of epitaxy 15.3 III-V-group epitaxial crystals	15.3 III-V-group epitaxial crystals		
	H113	80	6.5 Surface Physics, Vacuum	6.5 Surface Physics, Vacuum	15.8 Crystal evaluation, impurities and crystal defects	15.8 Crystal evaluation, impurities and crystal defects	15.2 II-VI and related compounds	6.6 Probe Microscopy	6.6 Probe Microscopy	6.6 Probe Microscopy
	H116	72	3.16 Optics and Photonics English Session	3.1 Basic optics and frontier of optics		3.8 Optical measurement, instrumentation, and sensor	3.8 Optical measurement, instrumentation, and sensor	3.8 Optical measurement, instrumentation, and sensor	15.2 II-VI and related compounds	15.2 II-VI and related compounds
	H121	240	15.4 III-V-group nitride crystals	15.4 III-V-group nitride crystals	15.4 III-V-group nitride crystals	15.4 III-V-group nitride crystals	15.4 III-V-group nitride crystals	15.4 III-V-group nitride crystals	15.4 III-V-group nitride crystals	15.4 III-V-group nitride crystals
	H135	112		S.23 Science and Application of Extreme Nonlinear Phenomena Induced by Intense Terahertz and Infrared Electromagnetic Field	3.9 Terahertz technologies	3.9 Terahertz technologies	3.2 Equipment optics and materials	S.12 Innovation and social implement of THz technologies	3.9 Terahertz technologies	
	H137	66		7.1 X-ray technologies		7.5 Ion beams		7.2 Applications and technologies of electron beams		
S0	S011	153		S.6 Blazing frontier of luminescence imaging for characterization of semiconductor crystals and devices	13.10 Compound solar cells	13.10 Compound solar cells 17.2 Graphene	17.2 Graphene	17.2 Graphene	17.2 Graphene	
S2	S221	173	S.8 Recent progress and future prospects of functional 2-dimensional materials	S.8 Recent progress and future prospects of functional 2-dimensional materials	13.3 Insulator technology	13.3 Insulator technology	13.10 Compound solar cells	13.10 Compound solar cells		
	S222	186		Special Symposium SANGAKUKYODO Symposium - Creating New Bottles for New Wine -	21.1 Joint Session K	21.1 Joint Session K	21.1 Joint Session K	S.21 Advanced Fabrication System for Metal Oixde Thin Films	21.1 Joint Session K	21.1 Joint Session K
	S223	66	13.1 Fundamental properties, surface and interface, and simulations of Si related materials	13.1 Fundamental properties, surface and interface, and simulations of Si related materials	13.7 Nano structures and quantum phenomena	13.7 Nano structures and quantum phenomena 13.9 Optical properties and light- emitting devices	13.2 Exploratory Materials, Physical Properties, Devices	13.2 Exploratory Materials, Physical Properties, Devices		
	S224	66	13.6 Semiconductor English Session	7.3 Micro/Nano patterning and fabrication	7.3 Micro/Nano patterning and fabrication	3.5 Laser system and materials	3.3 Information photonics and image engineering	3.3 Information photonics and image engineering		

Schedule by Room (II)

Room		Cap.	March 19 (Sat.)		March 20 (Sun.)		March 21 (Mon.)		March 22 (Tue.)	
			AM	PM	AM	PM	AM	PM	AM	PM
S3	S321	54			3.13 Semiconductor optical devices	3.13 Semiconductor optical devices	3.14 Optical control devices and optical fibers	3.14 Optical control devices and optical fibers		
	S322	58		1.5 Instrumentation, measurement and Metrology	1.1 Interdisciplinary and General Physics	1.6 Ultrasonics	1.4 Energy conversion, storage, resources and environment	1.3 Novel technologies and interdisciplinary engineering		
	S323	61				9.5 New functional materials and new phenomena	9.3 Nanoelectronics	9.3 Nanoelectronics		
S4	S421	102				17.3 Layered materials	17.1 Carbon nanotubes & other nanocarbon materials	17.1 Carbon nanotubes & other nanocarbon materials	17.3 Layered materials	
	S422	72			13.5 Semiconductor devices and related technologies	13.5 Semiconductor devices and related technologies	13.5 Semiconductor devices and related technologies	3.4 Biomedical optics		
	S423	72	13.4 Si wafer processing /Si based thin film / MEMS/Integration technology	13.4 Si wafer processing /Si based thin film / MEMS/Integration technology	13.4 Si wafer processing /Si based thin film / MEMS/Integration technology	13.4 Si wafer processing /Si based thin film /MEMS/ Integration technology	13.9 Optical properties and light- emitting devices	13.9 Optical properties and light- emitting devices	13.9 Optical properties and light-emitting devices	13.9 Optical properties and light-emitting devices
S6	S611	64				16.3 Bulk, thin-film and other silicon- based solar cells	CS.1 CS3.5and3.14 3.5 Laser system and materials	3.15 Silicon photonics		
	S621	109		S.2 New developments in polarization measurement and control	3.15 Silicon photonics	3.15 Silicon photonics	3.11 Photonic structures and phenomena	CS.3 3.11/13.7 Code-sharing session	3.11 Photonic structures and phenomena	3.11 Photonic structures and phenomena
	S622	109	3.12 Nanoscale optical science and near-field optics	3.12 Nanoscale optical science and near-field optics	3.12 Nanoscale optical science and near-field optics	3.12 Nanoscale optical science and near-field optics	3.6 Ultrashort-pulse and high-intensity lasers	3.6 Ultrashort-pulse and high-intensity lasers		
W2 / W3	W321	102	16.3 Bulk, thin-film and other silicon- based solar cells	3.7 Laser processing	3.7 Laser processing	S.11 Progress in studies on laser-processing employing	3.7 Laser processing		16.3 Bulk, thin-film and other silicon-based solar cells	
	W323	101	12.6 Nanobiotechnology	12.6 Nanobiotechnology	12.6 Nanobiotechnology	CS.5 9.4/16.2 Code-sharing session	9.4 Thermoelectric conversion	9.4 Thermoelectric conversion		
	W331	102	12.7 Biomedical Engineering and Biochips	12.7 Biomedical Engineering and Biochips	12.7 Biomedical Engineering and Biochips	12.7 Biomedical Engineering and Biochips	12.7 Biomedical Engineering and Biochips	CS.2 3.7/12.6/12.7 Code-sharing session	16.1 Fundamental properties, evaluation, process and devices in disordered materials	
	W241	255		8.9 Plasma Electronics Invited Talk 10.4 Semiconductors, organic, optical, and quantum spintronics	10.3 Giant magnetoresistance (GMR), tunnel magnetoresistance (TMR) and magnetic recording technologies	S.17 Researches on spintronic materials and phenomena using advanced spin-resolved measurements	10.1 Emerging materials in spintronics and magnetics (excluding semiconductors)	10.2 Spin torque, spin current, circuits, and measurement technologies	CS.6 10.1/10.2/10.3 Code sharing session "Emerging control-methods of magnetization and related phenomena"	CS.6 10.1/10.2/10.3 Code sharing session "Emerging control-methods of magnetization and related phenomena"
	W242	108		12.1 Fabrications and Structure Controls	12.1 Fabrications and Structure Controls	12.1 Fabrications and Structure Controls				
	W351	102			12.3 Functional Materials and Novel Devices	12.3 Functional Materials and Novel Devices	12.3 Functional Materials and Novel Devices	12.3 Functional Materials and Novel Devices	12.3 Functional Materials and Novel Devices	
W5	W521	269		S.4 Recent Progress of Organic Electronics in Japan and Korea: For the Next Jump		12.4 Organic light-emitting devices and organic transistors	12.4 Organic light-emitting devices and organic transistors	12.4 Organic light-emitting devices and organic transistors	12.4 Organic light-emitting devices and organic transistors	12.4 Organic light-emitting devices and organic transistors
	W531	273		12.5 Organic solar cells	12.5 Organic solar cells	12.5 Organic solar cells	12.5 Organic solar cells	Situation and Future Prospects of Organic Solar Cells	12.5 Organic solar cells	12.5 Organic solar cells
	W541	269	Tutorial1: Yoshimasa Kawata	S.5 Efficiency improvement for thin film compound semiconductor solar cells in the present and future	3.10 Optical quantum physics and technologies	3.10 Optical quantum physics and technologies	13.8 Compound and power electron devices and process technology	13.8 Compound and power electron devices and process technology	13.8 Compound and power electron devices and process technology	13.8 Compound and power electron devices and process technology
W6	W611	108		8.7 Plasma phenomena, emerging area of plasmas and their new applications	16.3 Bulk, thin-film and other silicon-based solar cells	S.7 Compass for career design of science students - where to make the first step to your ideal future? -	8.1 Plasma production and control	8.8 Plasma Electronics English Session	8.3 deposition of thin film and surface treatment	
	W621	142	Tutorial2: Koichi Takaki	8.4 Plasma etching	S.9 Human Resources Development of Next Generation Using Competition	S.13 Gas Flow Analysis in Vacuum and Low-Pressure Processing	8.6 Plasma life sciences	8.6 Plasma life sciences	8.5 nanotechnology.	
	W631	142	Tutoria4: Hideki Hirayama	S.24 IoT Application and Key Technologies	CS.4 6.6/12.2 Code-sharing session	S.18 New trends in computational materials science -Molecular electronics and bioelectronics	12.2 Characterization and Materials Physics	12.2 Characterization and Materials Physics	12.2 Characterization and Materials Physics	12.2 Characterization and Materials Physics
	W641	142	Tutorial3: Koki Takanashi	S.1 Energy management - possibility of renewable energy installation learning from small systems-		S.15 State-of-the-art characterization technique of dielectric and ferroelectric materials	6.1 Ferroelectric thin films	6.1 Ferroelectric thin films	Tutorial6: Tatau Nishinaga	

Schedule by Room (III)

Room		Cap.	March 19 (Sat.)		March 20 (Sun.)		March 21 (Mon.)		March 22 (Tue.)	
			AM	PM	AM	PM	AM	PM	AM	PM
W8	W833	78	11.1 Fundamental properties	9.1 Dielectrics, ferroelectrics	9.1 Dielectrics, ferroelectrics	11.1 Fundamental properties	11.4 Analog applications and their related technologies	11.4 Analog applications and their related technologies	2.3 Application, radiation generators, new technology	2.3 Application, radiation generators, new technology
	W834	61	9.2 Nanowires and Nanoparticles	9.2 Nanowires and Nanoparticles		11.5 Junction and circuit fabrication process, digital applications	11.2 Thin and thick superconducting films, coated conductors and film crystal growth			
	W810 (E1001)	100	2.2 Detection systems	2.2 Detection systems	2.3 Application, radiation generators, new technology	11.3 Critical Current, Superconducting Power Applications	2.1 Radiation physics and Detector fundamentals	2.1 Radiation physics and Detector fundamentals		
W9	W9	287	Award Ceremony	Award Ceremony		S.10 Present and future use of radioisotopes in medical science		Special Symposium Overlooking "IoT" - From Applied Physics to Electronics Packaging, IoT Application, and Big Data -	Tutorial5: Tadashi Shibata	
Gymnasium	P1 ~ P23	Poster Session	[09:30~11:30] 7 Beam Technology and Nanofabrication 12.1 Fabrications and Structure Controls 12.3 Functional Materials and Novel Devices 12.4 Organic light-emitting devices and organic transistors 12.5 Organic solar cells	[13:30~15:30] 10 Spintronics and Magnetics 13.1 Fundamental properties, surface and interface, and simulations of Si related materials 13.3 Insulator technology 13.5 Semiconductor devices and related technologies [16:00~18:00] 8.1 Plasma production and control 8.3 deposition of thin film and surface treatment 8.6 Plasma life sciences 8.8 Plasma Electronics English Session 9.1 Dielectrics, ferroelectrics 9.5 New functional materials and new phenomena 12.2 Characterization and Materials Physics 21.1 Joint Session K CS.5 9.4/16.2 Code-sharing session	[09:30~11:30] 6.1 Ferroelectric thin films 6.5 Surface Physics, Vacuum 11 Superconductivity 17 Nanocarbon Technology	[13:30~15:30] 3.1 Basic optics and frontier of optics 3.4 Biomedical optics 3.6 Ultrashort-pulse and high-intensity lasers 3.11 Photonic structures and phenomena 3.14 Optical control devices and optical fibers 3.16 Optics and Photonics English Session 9.2 Nanowires and Nanoparticles 9.3 Nanoelectronics 13.8 Compound and power electron devices and process technology 13.9 Optical properties and light- emitting devices [16:00~18:00] 12.6 Nanobiotechnology 12.7 Biomedical Engineering and Biochips 13.2 Exploratory Materials, Physical Properties, Devices 13.10 Compound solar cells 15.1 Bulk crystal growth 15.3 III-V-group epitaxial crystals	[09:30~11:30] 1.1 Interdisciplinary and General Physics 1.2 Education 1.3 Novel technologies and interdisciplinary engineering 1.5 Instrumentation, measurement and Metrology 1.6 Ultrasonics 3.9 Terahertz technologies 6.6 Probe Microscopy 16 Amorphous and Microcrystalline Materials	[13:30~15:30] 3.12 Nanoscale optical science and near-field optics 3.13 Semiconductor optical devices 6.2 Carbon-based thin films 8.2 Plasma measurements and diagnostics 8.4 Plasma etching 8.5 nanotechnology. 8.7 Plasma phenomena, emerging area of plasmas and their new applications 15.2 II-VI and related compounds 15.5 Group IV crystals and alloys 15.6 Group IV Compound Semiconductors (SiC) 15.8 Crystal evaluation, impurities and crystal defects [16:00~18:00] 2 Ionizing Radiation 3.5 Laser system and materials 3.7 Laser processing 3.8 Optical measurement, instrumentation, and sensor 3.15 Silicon photonics 13.4 Si wafer processing /Si based thin film / MEMS/Integration technology	[09:30~11:30] 1.4 Energy conversion, storage, resources and environment 3.2 Equipment optics and materials 3.3 Information photonics and image engineering 6.3 Oxide electronics 6.4 Thin films and New materials 15.4 III-V-group nitride crystals	