

Room	Cap.	March 9 (Sat.)		March 10 (Sun.)		March 11 (Mon.)		March 12 (Tue.)		
		AM	PM	AM	PM	AM	PM	AM	PM	
M1 (Main Bldg.)	M101 (H101)	200	09:00 ~ 12:10 Tutorial 3: Koki Takanashi (Tohoku Univ.)	16:00 ~ 18:00 10.1 Emerging materials in spintronics and magnetics (including fabrication and characterization methodologies)	09:00 ~ 11:15 10.1 Emerging materials in spintronics and magnetics (including fabrication and characterization methodologies)	13:30 ~ 16:45 S11 Spin Devices for the IoT/IoH Era	09:00 ~ 12:00 CS9 Code-sharing Session of 10.1, 10.2, 10.3 & 10.4	13:15 ~ 15:00 CS9 Code-sharing Session of 10.1, 10.2, 10.3 & 10.4	09:00 ~ 10:30 10.3 Spin devices, magnetic memories and storages 10:45 ~ 12:00 10.4 Semiconductor spintronics, superconductor, multiferroics	13:00 ~ 17:00 10.4 Semiconductor spintronics, superconductor, multiferroics
	M103 (H103)	96	10:00 ~ 11:30 2.3 Application, radiation generators, new technology	13:15 ~ 17:30 2.3 Application, radiation generators, new technology	09:00 ~ 10:45 8.6 Plasma Electronics English Session	13:30 ~ 16:25 S10 Carbon related materials and plasma processing; state of the art and subjects		13:15 ~ 16:00 13.6 Nanostructures, quantum phenomena, and nano quantum devices	09:00 ~ 11:45 2.2 Detection systems	13:15 ~ 16:15 2.2 Detection systems
	M111 (H111)	112	09:00 ~ 11:30 Tutorial 2: Keiji Ueno (Saitama Univ.)	13:30 ~ 18:35 S6 Quantum sensing toward ultimate sensitivity	09:00 ~ 11:45 12.1 Fabrications and Structure Controls	13:30 ~ 17:40 S12 Colloidal Quantum Dots: Fundamentals and Applications	09:00 ~ 11:45 12.1 Fabrications and Structure Controls	13:15 ~ 18:30 12.1 Fabrications and Structure Controls	09:30 ~ 12:00 15.7 Crystal characterization, impurities and crystal defects	13:30 ~ 17:00 15.7 Crystal characterization, impurities and crystal defects
	M112 (H112)	80	09:00 ~ 12:00 6.6 Probe Microscopy	13:30 ~ 16:00 Tutorial 4: Hiroshi Onishi (Kobe Univ.), Yasufumi Takahashi (Kanazawa Univ.)	10:00 ~ 11:30 2.3 Application, radiation generators, new technology	13:15 ~ 15:00 7.1 X-ray technologies	09:00 ~ 12:00 12.2 Characterization and Materials Physics	13:15 ~ 17:45 12.2 Characterization and Materials Physics		
	M113 (H113)	75		13:30 ~ 15:30 6.2 Carbon-based thin films	10:00 ~ 11:30 6.2 Carbon-based thin films	13:15 ~ 18:00 10.5 Application of magnetic field	09:00 ~ 11:45 6.2 Carbon-based thin films	13:15 ~ 19:00 6.2 Carbon-based thin films	09:30 ~ 11:30 15.5 Group IV crystals and alloys	13:15 ~ 15:30 15.5 Group IV crystals and alloys
	M114 (H114)	98	09:00 ~ 12:00 13.4 Si processing /Si based thin film / MEMS / Equipment technology	13:15 ~ 15:45 13.4 Si processing /Si based thin film / MEMS / Equipment technology	09:00 ~ 12:00 13.4 Si processing /Si based thin film / MEMS / Equipment technology	13:30 ~ 18:15 S4 Progress of characterization and monitoring techniques that reveal fundamental of light process	10:30 ~ 11:45 3.3 Information photonics and image engineering	13:30 ~ 16:00 Tutorial 5: Eiji Watanabe (Nat. Inst. of Basic Biology)		
	M116 (H116)	72	09:00 ~ 11:15 3.1 Basic optics and frontier of optics	13:15 ~ 17:00 3.1 Basic optics and frontier of optics	09:00 ~ 11:15 3.1 Basic optics and frontier of optics	13:00 ~ 19:00 9.1 Dielectrics, ferroelectrics		13:15 ~ 17:00 1.5 Instrumentation, measurement and Metrology	09:15 ~ 11:30 3.14 Optical control devices and optical fibers	13:15 ~ 16:45 3.14 Optical control devices and optical fibers
	M121 (H121)	240	09:30 ~ 12:30 13.7 Compound and power electron devices and process technology	14:00 ~ 17:45 13.7 Compound and power electron devices and process technology	09:00 ~ 11:45 13.7 Compound and power electron devices and process technology	13:30 ~ 16:45 S16 Integrated Systems for Developing IoT	09:00 ~ 12:15 13.7 Compound and power electron devices and process technology	13:30 ~ 17:45 S14 Interplay and integration of experiments and calculations in nanobiotechnology: lipid membrane and membrane proteins	09:00 ~ 11:30 13.7 Compound and power electron devices and process technology	
	M135 (H135)	112	09:00 ~ 11:30 3.6 Ultrashort-pulse and high-intensity lasers	13:15 ~ 18:00 3.6 Ultrashort-pulse and high-intensity lasers	09:00 ~ 12:00 3.6 Ultrashort-pulse and high-intensity lasers	13:30 ~ 17:15 S3 Various Applications of Fiber-optic Sensing Technology		13:30 ~ 19:00 S5 Nano-Material optical-manipulations open up novel phenomena, functions and technologies		
	M136 (H136)	101		13:30 ~ 15:30 12.3 Functional Materials and Novel Devices	09:30 ~ 12:00 CS1 Code-sharing Session of 3.2 & 12.3		09:00 ~ 11:45 12.3 Functional Materials and Novel Devices	13:15 ~ 17:15 13.3 Insulator technology		
W2 (West 2 Bldg.)	W241	255	09:00 ~ 11:30 Tutorial 1: Tatsuru Shirafuji (Osaka City Univ.)	13:45 ~ 17:00 8.4 Plasma life sciences	09:00 ~ 10:45 8.3 Plasma nanotechnology 11:00 ~ 11:30 8.7 Plasma Electronics Invited Talk 11:30 ~ 11:45 8.8 Plasma Electronics Award Ceremony	13:30 ~ 17:15 S22 Pioneering of Frontier technology for metal oxide novel device I -from thin film fabrication to device creation -	10:00 ~ 12:00 SP7 Growing Japanese Electronics Industry - Take A Look at Motivated Engineers to Make A Smart Society !	13:30 ~ 17:15 S9 Frontier in oxide materials with predictive materials design		
	W242	108	09:00 ~ 12:15 12.6 Nanobiotechnology	13:45 ~ 17:45 12.6 Nanobiotechnology	09:00 ~ 10:30 12.6 Nanobiotechnology	13:00 ~ 17:45 SP6 How can we improve our research environment?	09:00 ~ 12:15 S21 Recent Progress of Energy Harvesting	13:45 ~ 15:15 S21 Recent Progress of Energy Harvesting		
W3 (West 3 Bldg.)	W321	102	09:00 ~ 12:00 23.1 Joint Session N "Informatics"	13:45 ~ 17:45 23.1 Joint Session N "Informatics"	09:00 ~ 11:45 23.1 Joint Session N "Informatics"	13:15 ~ 17:30 13.9 Compound solar cells	09:30 ~ 12:00 13.9 Compound solar cells	13:45 ~ 17:30 13.9 Compound solar cells		
	W323	101	09:00 ~ 12:15 6.4 Thin films and New materials	13:30 ~ 18:00 8.1 Plasma production and diagnostics	09:00 ~ 12:15 6.4 Thin films and New materials	13:45 ~ 18:15 6.4 Thin films and New materials		13:45 ~ 17:45 8.5 Plasma phenomena, emerging area of plasmas and their new applications		
	W331	102		13:45 ~ 16:45 3.16 Optics and Photonics English Session	09:15 ~ 12:15 CS4 Code-sharing Session of 3.15 & 3.16	13:45 ~ 18:00 3.3 Information photonics and image engineering	09:45 ~ 12:15 3.15 Silicon photonics	13:45 ~ 17:30 3.15 Silicon photonics		
	W351	102		13:45 ~ 17:00 9.4 Thermoelectric conversion	10:30 ~ 12:00 9.4 Thermoelectric conversion	13:45 ~ 18:00 CS8 Code-sharing Session of 9.4 & 12.3 & M	09:00 ~ 12:00 6.1 Ferroelectric thin films	13:00 ~ 17:00 6.1 Ferroelectric thin films		
	W371	72	09:00 ~ 10:00 16.2 Energy Harvesting	13:45 ~ 18:15 22.1 Joint Session M "Phonon Engineering"	09:00 ~ 12:15 22.1 Joint Session M "Phonon Engineering"					

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		AM	PM	AM	PM	AM	PM	AM	PM	
W5 (West 5 Bldg.)	W521	269	09:00 ~ 12:00 SP3 International Roadmaps on Systems and Devices 2019, Searching xenogenetic technology innovations	13:45 ~ 18:00 17.2 Graphene	09:00 ~ 12:15 17.2 Graphene	13:45 ~ 15:45 17.2 Graphene	09:00 ~ 10:00 17.2 Graphene 10:00 ~ 11:30 17.3 Layered materials	13:45 ~ 18:30 17.3 Layered materials	09:00 ~ 11:30 17.3 Layered materials	
	W541	269	09:00 ~ 12:15 15.4 III-V-group nitride crystals	13:30 ~ 18:00 S18 Science created by singularity in nitride-semiconductors; Development of nano-characterization and control of material properties	09:00 ~ 12:15 15.4 III-V-group nitride crystals	13:30 ~ 19:00 15.4 III-V-group nitride crystals	09:00 ~ 12:15 15.4 III-V-group nitride crystals	13:30 ~ 19:00 15.4 III-V-group nitride crystals	09:00 ~ 12:15 15.4 III-V-group nitride crystals	13:30 ~ 17:00 15.4 III-V-group nitride crystals
W6 (West 6 Bldg.)	W611	108	09:30 ~ 11:45 16.3 Bulk, thin-film and other silicon-based solar cells	13:30 ~ 15:45 16.3 Bulk, thin-film and other silicon-based solar cells	09:30 ~ 12:00 16.3 Bulk, thin-film and other silicon-based solar cells	13:30 ~ 17:30 16.3 Bulk, thin-film and other silicon-based solar cells	09:00 ~ 12:00 8.4 Plasma life sciences	13:45 ~ 17:00 3.13 Semiconductor optical devices	09:00 ~ 12:00 3.13 Semiconductor optical devices	13:45 ~ 16:45 3.13 Semiconductor optical devices
	W621	143	09:00 ~ 12:15 3.12 Nanoscale optical science and near-field optics	13:30 ~ 18:15 3.12 Nanoscale optical science and near-field optics	09:00 ~ 12:30 3.12 Nanoscale optical science and near-field optics	13:45 ~ 18:30 3.12 Nanoscale optical science and near-field optics	09:30 ~ 11:45 17.1 Carbon nanotubes & other nanocarbon materials	13:45 ~ 18:30 17.1 Carbon nanotubes & other nanocarbon materials		
	W631	142	09:00 ~ 12:15 3.7 Laser processing	13:45 ~ 16:45 3.7 Laser processing	09:00 ~ 12:15 3.7 Laser processing	13:45 ~ 17:00 CS5 Code-sharing Session of 6.1 & 13.3 & 13.5	09:30 ~ 12:15 3.11 Photonic structures and phenomena	13:45 ~ 18:30 3.11 Photonic structures and phenomena	09:00 ~ 12:30 CS3 Code-sharing Session of 3.11 & 13.6	13:45 ~ 16:15 3.11 Photonic structures and phenomena
	W641	142	09:00 ~ 12:15 3.4 Biomedical optics	13:45 ~ 16:15 3.4 Biomedical optics	09:00 ~ 11:45 6.3 Oxide electronics	13:45 ~ 18:15 6.3 Oxide electronics	09:00 ~ 11:45 6.3 Oxide electronics	13:45 ~ 17:30 8.2 Plasma deposition of thin film, plasma etching and surface treatment	09:00 ~ 12:45 8.2 Plasma deposition of thin film, plasma etching and surface treatment	
W8 (West 8 Bldg.)	W833	78		13:30 ~ 17:55 S7 Surface Science Innovation by Positron Diffraction and High Performance Data Driven Science	09:00 ~ 11:30 16.1 Fundamental properties, evaluation, process and devices in disordered materials	13:15 ~ 17:45 16.1 Fundamental properties, evaluation, process and devices in disordered materials	09:00 ~ 11:45 9.2 Nanoparticles, Nanowires and Nanosheets	13:15 ~ 16:30 9.2 Nanoparticles, Nanowires and Nanosheets	10:00 ~ 12:00 1.1 Interdisciplinary and General Physics	13:15 ~ 15:00 1.1 Interdisciplinary and General Physics
	W834	61		13:15 ~ 16:30 1.6 Ultrasonics	09:00 ~ 12:15 3.5 Laser system and materials	13:15 ~ 17:00 3.5 Laser system and materials 17:15 ~ 18:30 CS2 Code-sharing Session of 3.5 & 3.14		13:15 ~ 18:30 13.2 Exploratory Materials, Physical Properties, Devices	09:00 ~ 10:30 6.5 Surface Physics, Vacuum	
	W810 (E1001)	100	11:00 ~ 12:00 Award Ceremony : Young Scientist Presentation Award, Exhibition Award, APEX/JIAP Editorial Contribution Award	17:00 ~ 18:15 Award Ceremony : Outstanding Achievement Award, Research Achievement Award, Eiichi Takano Award	09:15 ~ 12:00 12.2 Characterization and Materials Physics	13:30 ~ 18:00 S13 Science of the Material Intelligence: Bringing out the Intrinsic Learning and Optimization Capabilities of Materials	09:00 ~ 11:45 31.1 Focused Session "AI Electronics"	13:15 ~ 18:00 31.1 Focused Session "AI Electronics"		
W9 (West 9 Bldg.)	W922 (Multi-Purpose Digital Hall)	287	09:50 ~ 12:20 SP1 Roles and Collaboration between National-Public-Private Universities across Nations	13:20 ~ 17:20 SP2 System and Environment to Make Researchers Happier	09:00 ~ 11:15 15.2 II-VI and related compounds	13:30 ~ 17:50 S19 Progress in ion implantation for semiconductor devices -Si, GaAs and WBG materials-				
	W933	153	09:00 ~ 11:30 6.3 Oxide electronics	13:15 ~ 17:35 S15 New trend of multinary compound research ~ control of physical properties, new application~	09:00 ~ 11:00 6.6 Probe Microscopy	13:30 ~ 17:45 S8 Nanoscale 2D/3D analyses for new device and materials development II	09:00 ~ 11:45 6.6 Probe Microscopy	13:30 ~ 18:45 S20 Symposium on Crystal Science with Synchrotron Radiation	09:00 ~ 12:00 6.6 Probe Microscopy	13:15 ~ 16:00 31.1 Focused Session "AI Electronics"
	W934	81			09:00 ~ 12:00 13.1 Fundamental properties, surface and interface, and simulations of Si related materials	13:30 ~ 16:45 13.1 Fundamental properties, surface and interface, and simulations of Si related materials	09:00 ~ 11:45 13.4 Si processing /Si based thin film / MEMS / Equipment technology	13:30 ~ 17:45 S17 Advanced ion microscopy for future nano scale materials and devices	09:15 ~ 11:45 9.3 Nanoelectronics	13:15 ~ 16:00 9.3 Nanoelectronics
	W935	90		13:15 ~ 17:15 3.8 Optical measurement, instrumentation, and sensor	09:30 ~ 12:15 S1 Physics education on environment and energy		09:00 ~ 11:45 3.8 Optical measurement, instrumentation, and sensor	13:15 ~ 16:30 3.8 Optical measurement, instrumentation, and sensor		
70th Anniversary Auditorium	70A	700		13:00 ~ 17:30 SP4 Accelerating Trend to Electrification of Vehicles - Concerned Development of Battery, Power Semiconductor, Motor and System -	09:00 ~ 12:00 15.6 Group IV Compound Semiconductors (SiC)	13:00 ~ 17:20 SP5 Present and future on infomatics technologies	09:00 ~ 11:45 15.6 Group IV Compound Semiconductors (SiC)	13:00 ~ 17:30 15.6 Group IV Compound Semiconductors (SiC)		
SO (South Bldg.)	S011	153		13:45 ~ 17:15 21.1 Joint Session K "Wide bandgap oxide semiconductor materials and devices"	09:00 ~ 11:15 21.1 Joint Session K "Wide bandgap oxide semiconductor materials and devices"	13:45 ~ 16:55 S2 Recent topics in measurement standards	09:00 ~ 11:30 21.1 Joint Session K "Wide bandgap oxide semiconductor materials and devices"	13:45 ~ 18:45 21.1 Joint Session K "Wide bandgap oxide semiconductor materials and devices"		

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		AM	PM	AM	PM	AM	PM	AM	PM
S2 (South 2 Bldg.)	S221	173	13:45 ~ 17:45 13.5 Semiconductor devices/ Interconnect/ Integration technologies	09:00 ~ 12:00 13.5 Semiconductor devices/ Interconnect/ Integration technologies	13:45 ~ 17:00 13.5 Semiconductor devices/ Interconnect/ Integration technologies	09:00 ~ 12:15 12.5 Organic solar cells	13:45 ~ 17:15 12.5 Organic solar cells	09:00 ~ 12:15 12.5 Organic solar cells	
	S222	186	09:00 ~ 12:15 12.5 Organic solar cells	13:45 ~ 17:00 12.5 Organic solar cells	09:00 ~ 12:15 12.4 Organic light-emitting devices and organic transistors	13:45 ~ 18:00 12.4 Organic light-emitting devices and organic transistors	09:00 ~ 12:15 12.4 Organic light-emitting devices and organic transistors	13:45 ~ 17:15 12.4 Organic light-emitting devices and organic transistors	
	S223	75	09:30 ~ 12:00 7.2 Applications and technologies of electron beams	13:45 ~ 17:00 7.3 Micro/Nano patterning and fabrication	09:30 ~ 12:15 13.8 Optical properties and light- emitting devices	13:45 ~ 16:45 11.5 Junction and circuit fabrication process, digital applications	09:30 ~ 12:15 13.8 Optical properties and light- emitting devices	13:45 ~ 18:00 13.8 Optical properties and light- emitting devices	
	S224	75			09:30 ~ 11:30 7.5 Ion beams	13:45 ~ 18:15 11.3 Critical Current, Superconducting Power Applications	10:30 ~ 12:00 CS6 Code-sharing Session of 6.5 & 7.6	13:45 ~ 15:15 12.3 Functional Materials and Novel Devices	
S3 (South 3 Bldg.)	S321	54	13:45 ~ 18:00 1.4 Energy conversion, storage, resources and environment	09:00 ~ 12:30 1.3 Novel technologies and interdisciplinary engineering	13:45 ~ 15:45 3.2 Equipment optics and materials	09:00 ~ 10:15 11.2 Thin and thick superconducting films, coated conductors and film crystal growth	13:45 ~ 18:30 11.4 Analog applications and their related technologies		
S4 (South 4 Bldg.)	S421	102	09:00 ~ 12:15 12.7 Biomedical Engineering and Biochips	13:45 ~ 18:00 12.7 Biomedical Engineering and Biochips	09:00 ~ 12:15 12.7 Biomedical Engineering and Biochips	15:45 ~ 18:15 12.7 Biomedical Engineering and Biochips	09:00 ~ 12:15 3.9 Terahertz technologies	13:45 ~ 18:45 3.9 Terahertz technologies	09:00 ~ 12:00 3.9 Terahertz technologies
	S422	72	09:00 ~ 12:15 15.1 Bulk crystal growth	13:30 ~ 18:00 15.1 Bulk crystal growth		13:45 ~ 17:00 3.10 Optical quantum physics and technologies	09:30 ~ 12:15 15.3 III-V-group epitaxial crystals, Fundamentals of epitaxy	13:45 ~ 17:00 15.3 III-V-group epitaxial crystals, Fundamentals of epitaxy	
	S423	72			09:00 ~ 12:00 CS7 Code-sharing Session of 7.4 & 9.5	13:30 ~ 17:15 CS7 Code-sharing Session of 7.4 & 9.5	09:00 ~ 11:45 11.1 Fundamental properties	12:45 ~ 17:45 11.1 Fundamental properties	
S6 (South 6 Bldg.)	S622	109				09:45 ~ 10:45 2.2 Detection systems 10:45 ~ 11:45 2.1 Radiation physics and Detector fundamentals	13:00 ~ 15:30 2.1 Radiation physics and Detector fundamentals		
Sports Center JF	PA1 ~ PA12	Poster-Session	[09:30 ~ 11:30] 9.4 Thermoelectric conversion 12.3 Functional Materials and Novel Devices 22.1 Joint Session M "Phonon Engineering"	[13:30 ~ 15:30] 6.4 Thin films and New materials 12.4 Organic light-emitting devices and organic transistors	[09:30 ~ 11:30] 3.3 Information photonics and image engineering 3.8 Optical measurement, instrumentation, and sensor 6.1 Ferroelectric thin films 9.1 Dielectrics, ferroelectrics 11 Superconductivity	[13:30 ~ 15:30] 9.2 Nanoparticles, Nanowires and Nanosheets 12.6 Nanobiotechnology 12.7 Biomedical Engineering and Biochips 13.6 Nanostructures, quantum phenomena, and nano quantum devices	[09:30 ~ 11:30] 3.1 Basic optics and frontier of optics 3.2 Equipment optics and materials 3.4 Biomedical optics 3.5 Laser system and materials 8.2 Plasma deposition of thin film, plasma etching and surface treatment 8.3 Plasma nanotechnology 8.5 Plasma phenomena, emerging area of plasmas and their new applications 23 Joint Session N "Informatics"	[13:30 ~ 15:30] 1.1 Interdisciplinary and General Physics 1.3 Novel technologies and interdisciplinary engineering 1.4 Energy conversion, storage, resources and environment 15.3 III-V-group epitaxial crystals, Fundamentals of epitaxy 15.5 Group IV crystals and alloys 15.7 Crystal characterization, impurities and crystal defects	[09:30 ~ 11:30] 1.5 Instrumentation, measurement and Metrology 3.6 Ultrashort-pulse and high- intensity lasers 21.1 Joint Session K "Wide bandgap oxide semiconductor materials and devices" 31.1 Focused Session "AI Electronics"
			[16:00 ~ 18:00] 6.2 Carbon-based thin films 6.3 Oxide electronics 6.6 Probe Microscopy 12.2 Characterization and Materials Physics	[16:00 ~ 18:00] 6.5 Surface Physics, Vacuum 7 Beam Technology and Nanofabrication 9.5 New functional materials and new phenomena 17 Nanocarbon Technology	[16:00 ~ 18:00] 6.5 Surface Physics, Vacuum 7 Beam Technology and Nanofabrication 9.5 New functional materials and new phenomena 17 Nanocarbon Technology	[16:00 ~ 18:00] 8.5 Plasma phenomena, emerging area of plasmas and their new applications 23 Joint Session N "Informatics"	[16:00 ~ 18:00] 1.2 Education 9.3 Nanoelectronics		
Sports Center B1F	PB1 ~ PB10	Poster-Session	[09:30 ~ 11:30] 3.10 Optical quantum physics and technologies 3.15 Silicon photonics 15.6 Group IV Compound Semiconductors (SiC)	[13:30 ~ 15:30] 10 Spintronics and Magnetics	[09:30 ~ 11:30] 12.5 Organic solar cells 13.2 Exploratory Materials, Physical Properties, Devices 13.9 Compound solar cells	[13:30 ~ 15:30] 1.6 Ultrasonics 3.9 Terahertz technologies 3.11 Photonic structures and phenomena	[09:30 ~ 11:30] 13.1 Fundamental properties, surface and interface, and simulations of Si related materials 13.3 Insulator technology 13.5 Semiconductor devices/ Interconnect/ Integration technologies 15.4 III-V-group nitride crystals	[13:30 ~ 15:30] 3.12 Nanoscale optical science and near-field optics 3.14 Optical control devices and optical fibers 13.7 Compound and power electron devices and process technology	[09:30 ~ 11:30] 8.1 Plasma production and diagnostics 8.4 Plasma life sciences 13.4 Si processing /Si based thin film / MEMS / Equipment technology 13.8 Optical properties and light- emitting devices
			[16:00 ~ 18:00] 16.1 Fundamental properties, evaluation, process and devices in disordered materials 16.2 Energy Harvesting 16.3 Bulk, thin-film and other silicon-based solar cells	[16:00 ~ 18:00] 3.7 Laser processing 12.1 Fabrications and Structure Controls	[16:00 ~ 18:00] 3.7 Laser processing 12.1 Fabrications and Structure Controls	[16:00 ~ 18:00] 16.1 Fundamental properties, evaluation, process and devices in disordered materials 16.2 Energy Harvesting 16.3 Bulk, thin-film and other silicon-based solar cells	[16:00 ~ 18:00] 2 Ionizing Radiation		