Schedule by Room (I)

Room	Cap.	Sep.8 (Tue.)		Sep. 9 (Wed.)		Sep. 10 (Thu.)		Sep. 11 (Fri.)	
		AM	PM	AM	PM	AM	PM	AM	PM
Z01	500	09:30 ~ 11:30 T4 Extreme environmental nano-interface science connecting materials and devices	13:30 ~ 17:15 T4 Extreme environmental nano-interface science connecting materials and devices	09:00 ~ 10:30 15.2 II-VI and related compounds	12:30 ~ 18:00 15.3 III-V-group epitaxial crystals, Fundamentals of epitaxy	10:00 ~ 12:10 NT2 Critical Role of Semiconductor Technology: Shaping Auto Industry on "New Normal" Infrastructure and Challenges by Cutting-Edge Researchers	13:30 ~ 17:05 T12 Advanced measurement technology realized by superconductor -Recent applications of SQUID-	08:30 ~ 11:30 13.2 Exploratory Materials, Physical Properties, Devices	12:30 ~ 15:30 13.2 Exploratory Materials, Physical Properties, Devices
Z02	500	09:00 ~ 11:45 15.4 III-V-group nitride crystals	13:30 ~ 17:30 T14 Materials Science and Advanced Electronics Created by Singularity of Nitride Semiconductors -Frontiers in defect physics: Concerted approach of characterization and theory-	09:00 ~ 11:30 15.4 III-V-group nitride crystals	13:30 ~ 18:00 T15 Functionality and science of transparent crystals: Ecosystems created by deep ultraviolet emitters	09:00 ~ 11:30 15.4 III-V-group nitride crystals	13:00 ~ 19:15 15.4 III-V-group nitride crystals	09:00 ~ 12:00 15.4 III-V-group nitride crystals	13:00 ~ 18:15 15.4 III-V-group nitride crystals
Z03	500	10:00 ~ 12:15 T19 What comes after " Materials Informatics"	13:30 ~ 16:45 T19 What comes after " Materials Informatics"		13:30 ~ 17:35 T10 Novel Function and Technology Based on Ensemble Phenomenon	09:00 ~ 11:00 8.2 Plasma deposition of thin film, plasma etching and surface treatment 11:00 ~ 11:30 8.7 Plasma Electronics Invited Talk	13:30 ~ 17:20 T9 Frontier of Research on Mechanism of Plasma-induced Biological Reactions	08:30 ~ 09:30 8.6 Plasma Electronics English Session	12:30 ~ 13:30 8.8 Plasma Electronics Award Speech 13:30 ~ 16:15 8.2 Plasma deposition of thin film, plasma etching and surface treatment
Z04	500	08:30 ~ 12:30 8.1 Plasma production and diagnostics	13:30 ~ 17:05 T2 Innovation and development of new business created by photonics III - Photonic startups launched from universities and national institutes-	08:30 ~ 11:30 13.8 Optical properties and light-emitting devices	13:00 ~ 18:15 13.8 Optical properties and light-emitting devices	09:30 ~ 12:00 13.7 Compound and power electron devices and process technology	13:00 ~ 17:30 13.7 Compound and power electron devices and process technology	09:30 ~ 12:00 13.7 Compound and power electron devices and process technology	13:00 ~ 16:45 13.7 Compound and power electron devices and process technology
Z05	500	09:00 ~ 12:00 6.2 Carbon-based thin films	13:00 ~ 19:00 6.2 Carbon-based thin films	09:15 ~ 11:15 6.4 Thin films and New materials	12:30 ~ 16:30 CS.6 Code-sharing Session of 6.5 & 7.6	08:30 ~ 11:30 6.4 Thin films and New materials	12:30 ~ 17:30 6.4 Thin films and New materials	09:30 ~ 11:15 8.5 Plasma phenomena, emerging area of plasmas and their new applications	13:30 ~ 17:30 8.5 Plasma phenomena, emerging area of plasmas and their new applications
Z06	500	09:00 ~ 11:30 T3 The Third-generation dissimilar materials bonding and its application to the film growth control: Interface nano-kubernetes	12:30 ~ 16:50 T3 The Third-generation dissimilar materials bonding and its application to the film growth control: Interface nano-kubernetes	08:30 ~ 12:00 6.6 Probe Microscopy	13:30 ~ 17:30 T7 The fusion of multidimensional measurement technologies and data science toward the progress of bioimaging and biosensing techniques		12:30 ~ 17:30 6.6 Probe Microscopy	08:30 ~ 11:30 6.6 Probe Microscopy	
Z07	500	09:15 ~ 11:30 6.3 Oxide electronics	13:30 ~ 18:15 8.4 Plasma life sciences	09:00 ~ 11:30 6.3 Oxide electronics	13:30 ~ 16:40 T5 Innovation with all-solid-state batteries: from basics to future prospects		13:30 ~ 17:00 T6 The interplay of ions and electrons in functional oxides towards new development of energy creating and storage devices	09:00 ~ 11:30 6.3 Oxide electronics	13:00 ~ 16:45 6.3 Oxide electronics
Z08	500	09:30 ~ 11:30 10.4 Semiconductor spintronics, superconductor, multiferroics	13:00 ~ 15:00 10.4 Semiconductor spintronics, superconductor, multiferroics		13:30 ~ 17:20 T11 Recent Progress in Nonvolatile Memory technologies - Spintronic, Phase-change, Resistive and Ferroelectric-	08:45 ~ 11:30 10.2 Fundamental and exploratory device technologies for spin	12:30 ~ 15:30 10.2 Fundamental and exploratory device technologies for spin 16:00 ~ 18:00 10.3 Spin devices, magnetic memories and storages	09:00 ~ 11:30 10.1 Emerging materials in spintronics and magnetics (including fabrication and charactrization methodologies)	12:30 ~ 17:45 10.1 Emerging materials in spintronics and magnetics (including fabrication and charactrization methodologies)
Z09	500	09:00 ~ 11:45 22.1 Joint Session M "Phonon Engineering"	13:00 ~ 18:30 22.1 Joint Session M "Phonon Engineering"	9:00~12:00 TU3 Tutorial (machine learning)	13:00 ~ 18:00 23.1 Joint Session N "Informatics"	08:30 ~ 11:30 23.1 Joint Session N "Informatics"	12:30 ~ 18:00 13.1 Fundamental properties, surface and interface, and simulations of Si related materials	08:30 ~ 11:45 13.5 Semiconductor devices/ Interconnect/ Integration technologies	12:45 ~ 17:15 13.5 Semiconductor devices/ Interconnect/ Integration technologies
Z10	500	08:30 ~ 11:00 10.5 Application of magnetic field	13:00 ~ 16:00 13.6 Nanostructures, quantum phenomena, and nano quantum devices	08:30 ~ 11:30 13.4 Si processing /Si based thin film / MEMS / Equipment technology	13:00 ~ 17:00 CS.3 Code-sharing Session of 3.3 & 4.4	08:45 ~ 11:30 13.4 Si processing /Si based thin film / MEMS / Equipment technology	12:30 ~ 17:30 13.4 Si processing /Si based thin film / MEMS / Equipment technology	08:30 ~ 11:15 13.3 Insulator technology	12:30 ~ 14:45 13.3 Insulator technology
Z11	500	09:00 ~ 11:45 12.4 Organic light-emitting devices and organic transistors	13:00 ~ 15:15 12.4 Organic light-emitting devices and organic transistors	09:00 ~ 12:30 12.4 Organic light-emitting devices and organic transistors	13:30 ~ 18:00 12.4 Organic light-emitting devices and organic transistors	08:30 ~ 11:30 12.5 Organic solar cells	12:30 ~ 17:00 12.5 Organic solar cells	08:30 ~ 11:30 12.5 Organic solar cells	12:30 ~ 16:45 12.5 Organic solar cells
Z12	500	09:00 ~ 12:15 12.7 Biomedical Engineering and Biochips	13:30 ~ 16:45 12.7 Biomedical Engineering and Biochips	09:00 ~ 12:00 12.7 Biomedical Engineering and Biochips	13:00 ~ 18:00 15.5 Group IV crystals and alloys	08:30 ~ 11:30 12.6 Nanobiotechnology	12:30 ~ 18:45 12.6 Nanobiotechnology	08:30 ~ 11:30 12.6 Nanobiotechnology	12:30 ~ 17:15 15.7 Crystal characterization, impurities and crystal defects
Z13	500	09:30 ~ 11:45 12.3 Functional Materials and Novel Devices	12:45 ~ 15:30 CS.2 Code-sharing Session of 3.2 & 12.3 15:45 ~ 17:15 12.3 Functional Materials and Novel Devices	08:30 ~ 11:30 3.13 Semiconductor optical devices	12:30 ~ 16:30 3.13 Semiconductor optical devices	09:30 ~ 11:40 T18 Leading edge of phonon engineering	13:00 ~ 16:50 T18 Leading edge of phonon engineering	08:45 ~ 11:30 12.1 Fabrications and Structure Controls	12:30 ~ 18:00 12.1 Fabrications and Structure Controls
Z14	500	08:30 ~ 11:30 2.1 Radiation physics and Detector fundamentals	13:00 ~ 16:45 15.1 Bulk crystal growth	08:30 ~ 11:30 2.5 Medical application	13:30 ~ 16:15 T1 Recent studies of Boron Neutron Capture Therapy (BNCT)	08:30 ~ 11:45 2.3 Application, radiation generators, new technology	12:45 ~ 18:30 2.2 Detection systems	08:30 ~ 11:30 2.6 Radiation-induced phosphors	12:30 ~ 18:15 2.6 Radiation-induced phosphors

Schedule by Room (II)

Room	Cap.	Sep.8 (Tue.)		Sep. 9 (Wed.)		Sep. 10 (Thu.)		Sep. 11 (Fri.)	
		AM	PM	AM	PM	AM	PM	AM	PM
Z15	500	09:00 ~ 11:50 T8 Optical functions of thin films studied by various quantum beams	13:30 ~ 16:00 T8 Optical functions of thin films studied by various quantum beams	09:00 ~ 12:00 13.9 Compound solar cells	13:00 ~ 15:45 13.9 Compound solar cells	08:45 ~ 12:30 13.9 Compound solar cells	13:30 ~ 17:45 T13 Recent progress in Advanced Ion Microscopy: Application to nano materials / devices and life science		
Z16	500	09:15 ~ 12:00 3.14 Optical control devices and optical fibers	13:00 ~ 18:30 3.14 Optical control devices and optical fibers	08:30 ~ 09:30 4.8 OSA Special Lecture 10:00 ~ 12:00 4.1 Plasmonics and Nanophotonics	13:00 ~ 17:45 4.1 Plasmonics and Nanophotonics	09:00 ~ 12:00 4.3 Lasers and laser materials processing	13:30 ~ 17:15 NT1 Think about applied physics in space	09:00 ~ 12:00 4.3 Lasers and laser materials processing	13:30 ~ 18:00 NT3 To accelerate social implementations of applied-physic technlogies related to integrated circuits
Z17	500	09:00 ~ 11:45 6.1 Ferroelectric thin films	13:00 ~ 16:15 6.1 Ferroelectric thin films	10:00 ~ 11:00 6.5 Surface Physics, Vacuum	13:00 ~ 19:45 3.1 Basic optics and frontier of optics	09:00 ~ 12:00 3.12 Nanoscale optical science and near-field optics	13:00 ~ 18:15 3.12 Nanoscale optical science and near-field optics	09:00 ~ 12:00 3.12 Nanoscale optical science and near-field optics	
Z18	500	08:30 ~ 11:30 9.4 Thermoelectric conversion	12:30 ~ 17:15 9.4 Thermoelectric conversion	09:15 ~ 12:00 3.7 Laser processing	13:00 ~ 19:00 3.7 Laser processing	09:30 ~ 12:15 3.11 Photonic structures and phenomena	13:10 ~ 17:30 3.11 Photonic structures and phenomena	09:30 ~ 12:15 3.11 Photonic structures and phenomena	13:15 ~ 16:00 3.11 Photonic structures and phenomena
Z19	500	09:00 ~ 12:00 3.5 Laser system and materials	13:00 ~ 20:00 3.8 Optical measurement, instrumentation, and sensor		13:00 ~ 17:30 3.15 Silicon photonics and integrated photonics	08:45 ~ 11:45 3.6 Ultrashort-pulse and high-intensity lasers	13:00 ~ 17:15 3.6 Ultrashort-pulse and high-intensity lasers		
Z20	500	08:30 ~ 12:00 3.3 Information photonics and image engineering	13:30~16:00 TU1 Tutorial (Superconductivity)	09:00 ~ 12:00 21.1 Joint Session K "Wide bandgap oxide semiconductor materials and devices"	13:00 ~ 17:45 21.1 Joint Session K "Wide bandgap oxide semiconductor materials and devices"	09:00 ~ 12:15 21.1 Joint Session K "Wide bandgap oxide semiconductor materials and devices"			
Z21	500	09:00 ~ 11:45 3.2 Equipment optics and materials	13:30 ~ 15:30 8.1 Plasma production and diagnostics	08:30 ~ 11:30 CS.8 Code-sharing Session of 8.3 & 9.2 & 13.6	13:30 ~ 16:15 8.3 Plasma nanotechnology	09:30 ~ 12:00 3.10 Optical quantum physics and technologies	13:00 ~ 17:00 3.10 Optical quantum physics and technologies		
Z22	100	09:30 ~ 11:30 1.5 Instrumentation, measurement and Metrology	13:00 ~ 16:45 1.4 Energy conversion, storage, resources and environment	09:30 ~ 10:15 1.3 Novel technologies and interdisciplinary engineering 10:30 ~ 12:00 1.1 Interdisciplinary and General Physics	13:00 ~ 15:45 1.1 Interdisciplinary and General Physics	09:00 ~ 11:45 1.2 Education	13:00 ~ 14:15 1.2 Education 15:00 ~ 18:30 1.6 Ultrasonics		
Z23	500	09:00 ~ 12:30 CS.4 Code-sharing Session of 4.5 & 17	16:40~17:00 Representatives Meeting 17:00~18:00 Award Ceremony	10:00 ~ 12:00 4.2 Photonics Devices, Photonic Integrated Circuit and Silicon Photonics	13:00 ~ 17:00 4.6 Terahertz Photonics	08:30 ~ 11:45 4.7 Quantum Optics and Nonlinear Optics	13:15 ~ 18:00 15.6 Group IV Compound Semiconductors (SiC)	09:00 ~ 11:30 15.6 Group IV Compound Semiconductors (SiC)	12:30 ~ 18:15 16.3 Bulk, thin-film and other silicon-based solar cells
Z24	500	09:30 ~ 11:45 11.5 Junction and circuit fabrication process, digital applications		09:00 ~ 11:45 CS.7 Code-sharing Session of 7.4 & 9.5	13:00 ~ 17:00 CS.7 Code-sharing Session of 7.4 & 9.5	08:45 ~ 12:00 CS.5 Code-sharing Session of 6.1 & 13.3 & 13.5	13:25 ~ 17:30 3.9 Terahertz technologies	10:00 ~ 11:45 3.9 Terahertz technologies	13:30 ~ 17:00 3.9 Terahertz technologies
Z25	500	09:00 ~ 12:15 CS.1 Code-sharing Session of 2.4 & 7.5	13:15 ~ 16:45 CS.1 Code-sharing Session of 2.4 & 7.5	09:00 ~ 10:15 7.1 X-ray technologies 10:30 ~ 11:00 7.2 Applications and technologies of electron beams	13:00 ~ 14:30 7.3 Micro/Nano patterning and fabrication	09:00 ~ 11:30 12.2 Characterization and Materials Physics	13:15 ~ 18:00 12.2 Characterization and Materials Physics	09:00 ~ 11:45 12.2 Characterization and Materials Physics	
Z26	500	10:00 ~ 11:00 16.2 Energy Harvesting	13:00 ~ 19:30 16.1 Fundamental properties, evaluation, process and devices in disordered materials	09:00 ~ 12:00 CS.4 Code-sharing Session of 4.5 & 17	13:00 ~ 17:15 9.3 Nanoelectronics	08:30 ~ 10:45 9.1 Dielectrics, ferroelectrics	13:00 ~ 15:30 9.2 Nanoparticles, Nanowires and Nanosheets	08:30 ~ 12:00 9.2 Nanoparticles, Nanowires and Nanosheets	
Z27	500	09:00 ~ 11:30 11.3 Critical Current, Superconducting Power Applications	13:00 ~ 17:30 11.5 Junction and circuit fabrication process, digital applications	08:30 ~ 12:00 11.2 Thin and thick superconducting films, coated conductors and film crystal growth	13:00 ~ 19:45 11.1 Fundamental properties	08:30 ~ 11:15 11.4 Analog applications and their related technologies	13:00 ~ 16:15 12.3 Functional Materials and Novel Devices	08:30 ~ 10:00 11.4 Analog applications and their related technologies	
Z28	500	10:00 ~ 12:15 T16 Development of the engineering for the diverse stable phases ~Objectives for the future environment, energy materials and devices	13:30 ~ 17:45 T16 Development of the engineering for the diverse stable phases ~Objectives for the future environment, energy materials and devices	09:00 ~ 12:30 FS.1 Focused Session "AI Electronics"	13:30 ~ 19:00 FS.1 Focused Session "AI Electronics"	08:30 ~ 12:00 17.2 Graphene	13:30 ~ 19:30 3.4 Biomedical optics	08:30 ~ 12:45 17.1 Carbon nanotubes & other nanocarbon materials	13:45 ~ 17:00 17.1 Carbon nanotubes & other nanocarbon materials
Z29	500		13:30~16:00 TU2 Tutorial (Graphen) 16:30 ~ 18:30 17.1 Carbon nanotubes & other nanocarbon materials	08:30 ~ 12:30 17.2 Graphene	13:30 ~ 18:00 17.2 Graphene	08:30 ~ 12:15 17.3 Layered materials	13:30 ~ 18:30 T17 Science of 2-dimensional materials: New science and applications of 2-dimensional materials and their integrated structures	08:30 ~ 12:30 17.3 Layered materials	13:30 ~ 17:45 17.3 Layered materials