

Schedule by Room (I)

Room	Cap.	Sep. 13 (Tue.)		Sep. 14 (Wed.)		Sep. 15 (Thu.)		Sep. 16 (Fri.)	
		AM	PM	AM	PM	AM	PM	AM	PM
A21 (Main Hall A)	354	09:00-11:45 15.4 III-V-group nitride crystals	13:15-18:00 15.4 III-V-group nitride crystals	08:45-12:00 15.4 III-V-group nitride crystals	13:00-19:00 S.20 Recent Progress of Nitride Semiconductor - Toward Defectless Crystal and Devices-	09:00-12:00 15.4 III-V-group nitride crystals	13:15-18:15 S.21 Materials Science and Advanced Electronics Created by Singularity of Nitride Semiconductors	9:00-12:15 15.4 III-V-group nitride crystals	13:15-15:30 15.4 III-V-group nitride crystals
		09:00-12:00 10.1 Emerging materials in spintronics and magnetics (excluding semiconductors)	13:15-18:15 S.9 Toward future applications of oxides electronics; past, present and future	09:45-10:45 8.10 Plasma Electronics Award Ceremony 11:00-11:30 8.9 Plasma Electronics Invited Talk	13:30-17:45 S.11 Cutting-edge plasma diagnostics for deeper understanding and control of atmospheric and multi-phase plasmas	09:00-12:00 21.1 Joint Session K "Wide bandgap oxide semiconductor materials and devices"	13:30-18:00 21.1 Joint Session K "Wide bandgap oxide semiconductor materials and devices"	09:00-11:45 21.1 Joint Session K "Wide bandgap oxide semiconductor materials and devices"	12:45-14:15 21.1 Joint Session K "Wide bandgap oxide semiconductor materials and devices"
A23 (201B)	114	10:00-11:45 6.1 Ferroelectric thin films	13:30-16:45 6.1 Ferroelectric thin films	09:00-11:45 6.1 Ferroelectric thin films	13:30-17:30 S.10 Classification and designation on carbon based films as diamond-like carbon (DLC) films -Advanced measurement technology to support the standardization, and industrial application aimed at the world market-	09:00-11:45 16.3 Bulk, thin-film and other silicon-based solar cells	13:15-18:45 15.8 Crystal evaluation, impurities and crystal defects	09:00-12:15 16.3 Bulk, thin-film and other silicon-based solar cells	13:15-16:15 16.3 Bulk, thin-film and other silicon-based solar cells
A24 (201A)	114	09:00-12:10 Tutorial: Norikazu Mizurochi	13:30-16:40 Tutorial: Shigetoshi Oshima	09:00-11:30 16.3 Bulk, thin-film and other silicon-based solar cells	13:00-18:00 S.22 Present status and future prospects on reliability of photovoltaic modules	09:00-11:45 17.1 Carbon nanotubes & other nanocarbon materials	13:00-17:30 S.2 Materials and Physics of Solar-Hydrogen Production Catalysts	09:00-12:15 16.3 Bulk, thin-film and other silicon-based solar cells	13:15-16:15 16.3 Bulk, thin-film and other silicon-based solar cells
A25 (202)	60	09:00-12:30 7.4 Buried interface sciences with quantum beam	13:45-17:00 9.5 New functional materials and new phenomena	09:30-11:30 CS9.4&16.2 Code-sharing session of 9.4 and 16.2	13:15-19:00 15.1 Bulk crystal growth	09:00-12:00 6.2 Carbon-based thin films	15:45-17:45 13.7 Nano structures and quantum phenomena	09:00-13:15 16.1 Fundamental properties, evaluation, process and devices in disordered materials	
A26 (203-204)	100		13:15-18:00 6.2 Carbon-based thin films	09:00-11:45 6.2 Carbon-based thin films	13:15-17:45 6.2 Carbon-based thin films	09:00-12:15 6.3 Oxide electronics		10:00-11:45 13.7 Nano structures and quantum phenomena	
A31 (302A)	114	09:00-11:45 6.3 Oxide electronics	13:15-17:00 S.7 30 years anniversary for Nobel prize of STM and development of AFM	09:30-12:00 6.3 Oxide electronics	13:30-17:45 6.3 Oxide electronics	09:00-12:15 6.3 Oxide electronics		09:30-11:45 6.3 Oxide electronics	
A32 (302B)	114	09:30-11:45 17.2 Graphene	13:15-18:00 S.8 Active Woman Researchers in the Field of Surface and Thin Film	09:30-11:15 6.6 Probe Microscopy	13:15-17:30 6.6 Probe Microscopy	09:30-11:15 6.6 Probe Microscopy	13:15-17:00 S.6 Aspects on Photonic Intelligence	09:00-11:45 17.3 Layered materials	
A33 (301A)	114	09:00-12:10 Tutorial: Shuji Hayase	13:30-16:40 Tutorial: Yoshimasa Kawata		13:15-18:15 S.23 Trend of Functional Atomic Thin Film Research- Thin Film Growth-	09:00-11:45 17.2 Graphene	13:15-18:15 17.2 Graphene	09:00-11:15 17.2 Graphene	
A34 (301B)	114	10:45-12:15 10.5 Application of magnetic field	13:15-16:30 S.13 Material processing using magnetic field effect on feeble magnetic	09:45-11:30 13.10 Compound solar cells	13:00-15:30 13.10 Compound solar cells	09:30-11:30 13.10 Compound solar cells	13:00-18:00 13.10 Compound solar cells	08:45-12:15 S.12 Thermoelectric conversion in the present and future: How much can we increase ZT?	

Schedule by Room (II)

Room	Cap.	Sep.13 (Tue.)		Sep.14 (Wed.)		Sep.15 (Thu.)		Sep.16 (Fri.)	
		AM	PM	AM	PM	AM	PM	AM	PM
A35 (303-304)	100	09:00-11:45	13:15-17:15	09:00-11:45	13:15-16:30	09:00-12:00	13:30-18:00	09:00-11:45	13:15-15:30
		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	9.4 Thermoelectric conversion	9.4 Thermoelectric conversion	3.13 Semiconductor optical devices	3.13 Semiconductor optical devices
A36 (305)	50			09:00-12:45	17:30-19:30				
				1.4 Energy conversion, storage, resources and environment	JSAP International Members Chapter (JIMEC) Networking Forum				
A37 (306-307)	100		13:15-17:45	09:00-11:45	13:15-17:45	09:00-11:45	13:15-15:15	09:00-12:15	2.3 Application, radiation generators, new technology
			4.6 Nanocarbon and 2D Materials	6.4 Thin films and New materials	6.4 Thin films and New materials	2.1 Radiation physics and Detector fundamentals	2.1 Radiation physics and Detector fundamentals		
A41 (Int'l Conf. Room)	368	10:15-10:45	13:00-14:30	09:00-12:00	13:15-18:00	09:00-12:15	13:15-18:00	09:00-12:00	13:15-15:30
		Award Presentation Ceremony (JSAP Young Scientist Presentation Award)	8.9 Plasma Electronics Invited Talk	12.5 Organic solar cells	5.4 Symposium of Photonics Division, "Researchers pioneering next-generation photonics"	12.5 Organic solar cells	12.5 Organic solar cells	12.5 Organic solar cells	12.5 Organic solar cells
B1 (Exhibition Hall)	208		13:15-18:00	11:45-12:15	13:45-16:15	09:00-12:30		09:00-12:30	13:30-17:00
			5.15 English session: Joint symposium on Nanobiotechnology and Biosensing	13.8 Compound and power electron devices and process technology	S.18 IoT/IoE Device Technologies for AI and Deep Learning era	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
B2 (Exhibition Hall)	112		13:45-17:00	09:00-12:00	13:15-18:15	10:00-12:15	13:45-17:30	09:00-12:30	
			3.10 Optical quantum physics and technologies	3.9 Terahertz technologies	3.9 Terahertz technologies	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	3.9 Terahertz technologies	
B3 (Exhibition Hall)	64	09:00-12:15	13:45-16:15	09:30-12:15	13:45-16:30	09:00-11:15	13:45-16:45	09:00-10:30	13:45-16:15
		3.5 Laser system and materials	3.5 Laser system and materials	C53.5&3.14 Code sharing session of 3.5 abd 3.14	3.14 Optical control devices and optical fibers	13.2 Exploratory Materials, Physical Properties, Devices	13.2 Exploratory Materials, Physical Properties, Devices	6.5 Surface Physics, Vacuum	6.5 Surface Physics, Vacuum
B4 (Exhibition Hall)	112		13:15-15:30	10:30-11:45	13:45-18:00	09:00-12:15	13:45-15:45	09:00-12:45	
			12.5 Organic solar cells	3.15 Silicon photonics	3.15 Silicon photonics	C53.11&13.7 Code-sharing session of 3.11 and 13.7	C53.11&13.7 Code-sharing session of 3.11 and 13.7	3.11 Photonic structures and phenomena	3.11 Photonic structures and phenomena
B5 (Exhibition Hall)	112		13:45-17:45	09:00-12:15	13:45-17:00	09:00-12:15	13:15-18:45	09:00-12:30	
			12.2 Characterization and Materials Physics	12.2 Characterization and Materials Physics	12.2 Characterization and Materials Physics	12.1 Fabrications and Structure Controls	7.2 Applications and technologies of electron beams	12.1 Fabrications and Structure Controls	
B6 (Exhibition Hall)	46				13:45-17:15				
					7.5 Ion beams				
B7 (Exhibition Hall)	112	09:00-11:45	13:15-18:15	10:30-11:30	12:30-19:15	09:00-12:30	13:45-18:30	09:00-11:30	13:15-16:45
		8.2 Plasma measurements and diagnostics	S.25 Current Trends and Issues in Nanointerface Phenomena and the Characterization/Techniques	13.6 Semiconductor English Session	S.17 Crystallization of IV element Semiconductor thin-film and Defects control	8.1 Plasma production and control	8.6 Plasma life sciences	8.5 nanotechnology.	8.3 deposition of thin film and surface treatment

A (TOKI MESSE 2F-4F)

B (TOKI MESSE Exhibition Hall)

Schedule by Room (III)

Room	Cap.	Sep.13 (Tue.)		Sep.14 (Wed.)		Sep.15 (Thu.)		Sep.16 (Fri.)	
		AM	PM	AM	PM	AM	PM	AM	PM
B8 (Exhibition Hall)	112	09:00-12:15 12.7 Biomedical Engineering and Blochips	13:45-18:00 S.19 Recent topics of point defects in semiconductor crystals	09:00-12:15 12.7 Biomedical Engineering and Blochips	13:45-18:00 S.5 Hybrid Quantum Information Science and Technology	09:00-12:15 12.7 Biomedical Engineering and Blochips	13:30-17:30 CS3.14&3.15 Code-sharing session of 3.14 and 3.15	09:00-12:00 12.7 Biomedical Engineering and Blochips	
		09:00-11:45 8.4 Plasma etching	13:30-18:00 S.26 New characterization technologies for functional properties of multinary compounds - new insight into development of multinary compound devices -	09:00-12:30 3.1 Basic optics and frontier of optics	13:45-17:30 S.3 Recent progress of radiation measurement by a passive-type detector in medical applications.	10:15-11:45 13.3 Insulator technology	09:00-12:15 13.4 Si wafer processing /Si based thin film /MEMS/Integration technology	13:45-18:30 13.4 Si wafer processing /Si based thin film /MEMS/Integration technology	09:00-13:00 15.3 III-V-group epitaxial crystals, Fundamentals of epitaxy
B9 (Exhibition Hall)	112								
B10 (Exhibition Hall)	70	09:00-12:15 12.6 Nanobiotechnology	13:45-16:45 S.1 Development of Classes for Enhancing Learner's Motivation Practice Cases leading to Active Learning	09:00-12:15 12.6 Nanobiotechnology	13:45-15:45 12.6 Nanobiotechnology	09:00-12:15 13.4 Si wafer processing /Si based thin film /MEMS/Integration technology	13:45-18:30 13.4 Si wafer processing /Si based thin film /MEMS/Integration technology	09:00-12:15 13.4 Si wafer processing /Si based thin film /MEMS/Integration technology	13:45-17:00 13.4 Si wafer processing /Si based thin film /MEMS/Integration technology
B11 (Exhibition Hall)	208	09:00-11:45 12.4 Organic light-emitting devices and organic transistors	13:15-17:30 12.4 Organic light-emitting devices and organic transistors	09:30-11:30 12.4 Organic light-emitting devices and organic transistors	13:15-17:00 12.4 Organic light-emitting devices and organic transistors	09:30-12:00 12.4 Organic light-emitting devices and organic transistors	13:45-19:00 S.16 Electronic devices and biology: towards a prosperous symbiosis		
B12 (Exhibition Hall)	104		13:00-18:00 2.2 Detection systems	09:00-12:00 22.1 Joint Session M "Phonon Engineering"	13:30-18:15 22.1 Joint Session M "Phonon Engineering"	09:30-12:15 22.1 Joint Session M "Phonon Engineering"	13:45-19:00 3.12 Nanoscale optical science and near-field optics	09:00-12:15 3.12 Nanoscale optical science and near-field optics	13:45-16:30 3.12 Nanoscale optical science and near-field optics
B13 (Exhibition Hall)	104		13:45-17:00 13.5 Semiconductor devices and related technologies	09:00-12:15 13.5 Semiconductor devices and related technologies	13:45-18:00 12.3 Functional Materials and Novel Devices	09:00-12:00 12.3 Functional Materials and Novel Devices	13:45-15:30 12.3 Functional Materials and Novel Devices	09:00-11:45 8.7 Plasma phenomena, emerging area of plasmas and their new applications	
C31 (Nikko Kujaku AB)	72	09:30-12:00 3.7 Laser processing	13:45-17:00 7.1 X-ray technologies	09:30-12:15 3.7 Laser processing	13:45-17:30 3.7 Laser processing	09:15-12:15 4.2 Bio-and Medical Photonics	13:45-16:45 4.2 Bio-and Medical Photonics		
C32 (Nikko Kujaku CD)	72			09:15-12:15 3.6 Ultrashort-pulse and high-intensity lasers	13:45-17:30 3.6 Ultrashort-pulse and high-intensity lasers	09:00-12:15 3.8 Optical measurement, instrumentation, and sensor	13:45-18:00 CS3.6&3.8 Code-sharing session of 3.6 and 3.8	09:00-12:15 3.8 Optical measurement, instrumentation, and sensor	13:45-16:00 3.8 Optical measurement, instrumentation, and sensor
C41 (Nikko Toki A)	240		13:00-17:45 Special Symposium "Applied Physics Toward Smart Society~ Expectations and Challenge for the 5th Science and Technology Basic Plan~"	09:00-10:30 10.2 Spin torque, spin current, circuits, and measurement technologies	13:15-19:00 10.4 Semiconductors, organic, optical, and quantum spintronics	09:00-10:30 10.3 Giant magnetoresistance (GMR), tunnel magnetoresistance (TMR) and magnetic recording technologies	13:15-17:00 S.14 Physics of the New Spintronics Phenomena for Future Applications	09:30-12:00 CS10.1, 10.2, 10.3, 10.4 Code-sharing Session "Emerging control methods of magnetization and related phenomena"	13:15-14:45 10.2 Spin torque, spin current, circuits, and measurement technologies
				10:45-12:15 10.4 Semiconductors, organic, optical, and quantum spintronics		10:45-12:15 10.2 Spin torque, spin current, circuits, and measurement technologies			

B (TOKI MESSE Exhibition Hall)

C (Hotel Nikko Niigata)

Schedule by Room (IV)

Room	Cap.	Sep.13 (Tue.)		Sep.14 (Wed.)		Sep.15 (Thu.)		Sep.16 (Fri.)	
		AM	PM	AM	PM	AM	PM	AM	PM
C42 (Nikko Hakuhou)	64	09:45-12:00 9.3 Nanoelectronics	13:30-16:00 9.3 Nanoelectronics		13:15-19:00 3.4 Biomedical optics	09:00-12:15 3.3 Information photonics and image engineering	13:45-16:45 3.2 Equipment optics and materials	09:00-12:15 1.5 Instrumentation, measurement and Metrology	13:45-16:45 3.3 Information photonics and image engineering
		09:00-12:15 4.5 Information Photonics	13:45-18:00 4.8 Strong Light Excitation Phenomena Applied to Materials and Bio Engineering	09:00-12:15 4.5 Information Photonics	15:15-19:00 4.3 Optical Micro-sensing, Manipulation, and Fabrications	10:30-12:15 CS3.6&3.8 Code-sharing session of 3.6 and 3.8	13:15-17:30 4.7 Terahertz Photonics	09:00-12:00 4.4 Opto-electronics	13:30-17:00 4.4 Opto-electronics
		09:00-12:00 4.1 Plasmonics	13:45-18:00 5.24 Thermonanophotonics	09:00-12:15 4.1 Plasmonics	13:45-14:45 OSA Vice President Special Lecture	09:00-12:15 15.6 Group IV Compound Semiconductors (SiC)	13:45-19:00 15.6 Group IV Compound Semiconductors (SiC)	09:00-12:15 15.6 Group IV Compound Semiconductors (SiC)	13:45-16:15 15.6 Group IV Compound Semiconductors (SiC)
D61 (Bandajijima Bldg.)	100	09:00-12:15 7.3 Micro/Nano patterning and fabrication	13:15-15:30 15.2 II-VI and related compounds	09:00-10:30 2.1 Radiation physics and Detector fundamentals	13:15-19:00 11.4 Analog applications and their related technologies	09:00-11:45 11.4 Analog applications and their related technologies	13:15-17:00 11.5 Junction and circuit fabrication process, digital applications	09:00-11:45 15.5 Group IV crystals and alloys	13:15-16:30 15.5 Group IV crystals and alloys
		09:00-12:15 6.4 Thin films and New materials	13:45-17:30 6.4 Thin films and New materials	09:00-12:15 9.2 Nanowires and Nanoparticles	13:30-19:00 9.2 Nanowires and Nanoparticles	09:30-11:45 9.1 Dielectrics, ferroelectrics			
D63 (Bandajijima Bldg.)	54	10:00-12:00 1.6 Ultrasonics	16:00-18:00 1.6 Ultrasonics	09:15-12:00 1.3 Novel technologies and interdisciplinary engineering	13:15-16:00 11.2 Thin and thick superconducting films, coated conductors and film crystal growth	09:15-11:15 11.1 Fundamental properties	12:45-17:45 11.1 Fundamental properties		
				16:00-19:00 11.3 Critical Current, Superconducting Power Applications					

C (Hotel Nikko Niigata)

D (Bandajijima Bldg. 6F)