

# Schedule by Room (I)

Room	Cap.	AM	PM	AM	PM	AM	PM	AM	PM
E101 (E101)	450	09:00 ~ 12:15 12.5 Organic solar cells	13:30 ~ 17:30 T23 Materials Science and Advanced Electronics Created by Singularity of Nitride Semiconductors -Development of New Functionality and Expansion to Electronic and Optical Devices-	09:00 ~ 12:15 12.5 Organic solar cells	13:45 ~ 18:00 12.5 Organic solar cells	09:00 ~ 11:45 12.3 Functional Materials and Novel Devices	13:30 ~ 16:55 SP1 The 80th JSAP Autumn Meeting Memorial Symposium "Inventive Sciences from North latitude 44 degrees - Hayabusa spaceship, Mysterious ice surfaces, Amoeba science and Novel photocatalyst -"	09:00 ~ 12:15 12.5 Organic solar cells	13:45 ~ 15:15 12.5 Organic solar cells
E201 (E201)	220	11:00 ~ 12:00 Award Ceremony	16:45 ~ 18:00 Representatives Meeting, Award Ceremony	09:00 ~ 11:45 10.5 Application of magnetic field	13:30 ~ 17:30 T13 Gravity control science developed by experiments in magnetic field and space	09:00 ~ 11:45 17.3 Layered materials	13:30 ~ 18:15 T25 Latest developments and future prospects in nano-carbon and atomic-layer materials	12:30 ~ 14:30 17.3 Layered materials	
E202 (E202)	70	09:00 ~ 12:00 12.7 Biomedical Engineering and Blochips	13:00 ~ 18:00 12.7 Biomedical Engineering and Blochips	09:00 ~ 12:15 12.7 Biomedical Engineering and Blochips	16:00 ~ 18:45 12.7 Biomedical Engineering and Blochips	09:00 ~ 11:45 12.1 Fabrications and Structure Controls	13:45 ~ 18:45 12.1 Fabrications and Structure Controls		
E203 (E203)	70	09:00 ~ 12:15 12.6 Nanobiotechnology	13:45 ~ 18:00 12.6 Nanobiotechnology	09:00 ~ 12:15 12.6 Nanobiotechnology	13:45 ~ 16:00 12.6 Nanobiotechnology	09:00 ~ 12:15 7.9 Ion Beams	13:45 ~ 15:15 CS.2 Code-sharing Session 3.5 & 3.14	09:00 ~ 11:30 3.5 Laser system and materials	13:00 ~ 14:15 3.5 Laser system and materials
E204 (E204)	70	09:00 ~ 12:00 3.1 Basic optics and frontier of optics	13:45 ~ 18:00 3.1 Basic optics and frontier of optics	09:00 ~ 12:00 3.1 Basic optics and frontier of optics	13:45 ~ 17:15 3.13 Semiconductor optical devices	09:00 ~ 11:15 3.13 Semiconductor optical devices	13:45 ~ 17:00 3.14 Optical control devices and optical fibers	09:00 ~ 11:15 3.14 Optical control devices and optical fibers	13:45 ~ 15:15 3.14 Optical control devices and optical fibers
E205 (E205)	70	09:00 ~ 11:30 3.2 Equipment optics and materials	13:15 ~ 18:00 3.6 Ultrashort-pulse and high-intensity lasers	09:00 ~ 12:15 3.6 Ultrashort-pulse and high-intensity lasers	13:45 ~ 19:00 3.8 Optical measurement, instrumentation, and sensor	09:00 ~ 12:15 3.8 Optical measurement, instrumentation, and sensor	13:45 ~ 17:00 3.8 Optical measurement, instrumentation, and sensor	09:00 ~ 12:15 3.8 Optical measurement, instrumentation, and sensor	13:15 ~ 16:00 3.11 Photonic structures and phenomena
E206 (E206)	70	09:00 ~ 10:30 15.2 II-VI and related compounds	14:00 ~ 17:30 3.9 Terahertz technologies	09:00 ~ 11:45 3.9 Terahertz technologies	13:15 ~ 18:45 3.15 Silicon photonics	09:00 ~ 12:15 3.9 Terahertz technologies	13:45 ~ 16:45 3.9 Terahertz technologies	09:00 ~ 11:45 3.4 Biomedical optics	13:15 ~ 16:00 3.4 Biomedical optics
E207 (E207)	70	09:00 ~ 11:45 15.1 Bulk crystal growth	13:15 ~ 17:15 15.1 Bulk crystal growth	09:00 ~ 11:15 3.2 Equipment optics and materials	13:15 ~ 15:45 3.11 Photonic structures and phenomena	09:00 ~ 12:00 CS.5 Code-sharing Session of 3.11 & 3.13	13:45 ~ 18:00 3.11 Photonic structures and phenomena	09:00 ~ 11:45 3.10 Optical quantum physics and technologies	13:15 ~ 16:00 3.10 Optical quantum physics and technologies
E208 (E208)	115	09:00 ~ 11:30 4.1 Plasmonics and Nanophotonics	13:15 ~ 18:00 4.1 Plasmonics and Nanophotonics	09:00 ~ 12:15 CS.3 Code-sharing Session of 3.10 & 3.11 & 9.2 & 11.5 & 13.6	T4 Innovation and development of new business created by Photonics II - Biomedical and Photonic Startups launched from universities -	09:00 ~ 12:00 3.12 Nanoscale optical science and near-field optics	13:15 ~ 19:00 3.12 Nanoscale optical science and near-field optics	09:00 ~ 12:15 CS.4 Code-sharing Session of 3.11 & 3.12	13:30 ~ 16:00 3.12 Nanoscale optical science and near-field optics
E214 (E214)	115	12:10 ~ 11:45 22.1 Joint Session M "Phonon Engineering"	13:15 ~ 17:00 22.1 Joint Session M "Phonon Engineering"	10:00 ~ 11:15 22.1 Joint Session M "Phonon Engineering"	13:15 ~ 16:45 22.1 Joint Session M "Phonon Engineering"	09:00 ~ 11:45 4.3 Ultrafast Optics and Laser Processing	13:15 ~ 18:30 4.3 Ultrafast Optics and Laser Processing	09:00 ~ 11:45 4.6 Quantum Optics and Nonlinear Optics	13:15 ~ 14:45 4.6 Quantum Optics and Nonlinear Optics
E215 (E215)	70	10:30 ~ 11:45 CS.1 Code-sharing Session 3.3 & 4.4	13:15 ~ 16:15 CS.1 Code-sharing Session 3.3 & 4.4	10:15 ~ 11:45 CS.1 Code-sharing Session 3.3 & 4.4	12:45 ~ 18:30 4.5 Terahertz Photonics	10:00 ~ 11:45 4.2 Photonics Devices, Photonic Integrated Circuit and Silicon Photonics	14:30 ~ 16:15 4.2 Photonics Devices, Photonic Integrated Circuit and Silicon Photonics		
E216 (E216)	70	09:00 ~ 12:15 10.4 Semiconductor spintronics, superconductor, multiferroics	16:15 ~ 18:00 10.1 Emerging materials in spintronics and magnetics (including fabrication and characterization methodologies)	09:00 ~ 12:15 10.1 Emerging materials in spintronics and magnetics (including fabrication and characterization methodologies)	13:30 ~ 18:15 T1 System-oriented Nature Energy Utilization Technology	09:00 ~ 10:30 10.1 Emerging materials in spintronics and magnetics (including fabrication and characterization methodologies)	13:30 ~ 15:15 CS.8 Code-sharing Session of 10.1, 10.2, 10.3 & 10.4	09:00 ~ 10:00 10.2 Fundamental and exploratory device technologies for spin	13:15 ~ 14:45 10.3 Spin devices, magnetic memories and storages
E301 (E301)	220	10:30 ~ 12:15 T18 Potentials and challenges of photoelectrics for realizing carbon-free society -beyond power; mobility, building and more-	13:45 ~ 17:30 T18 Potentials and challenges of photoelectrics for realizing carbon-free society -beyond power; mobility, building and more-	09:00 ~ 12:00 13.7 Compound and power electron devices and process technology	14:00 ~ 16:45 T5 New developments in optical quantum technologies	09:00 ~ 12:15 13.7 Compound and power electron devices and process technology	13:30 ~ 17:35 T22 Etching Technology for Nitride Semiconductors; recent progress in high-controllable and low-damaging process	09:00 ~ 12:30 13.7 Compound and power electron devices and process technology	13:45 ~ 15:30 13.7 Compound and power electron devices and process technology
E302 (E302)	70	09:00 ~ 12:15 12.2 Characterization and Materials Physics	13:45 ~ 18:15 12.2 Characterization and Materials Physics	09:00 ~ 11:45 12.2 Characterization and Materials Physics	13:30 ~ 17:30 T20 Advanced ion microscopy? Application for future nano scale materials and devices	09:00 ~ 12:15 13.8 Optical properties and light-emitting devices	13:45 ~ 18:15 13.8 Optical properties and light-emitting devices	09:00 ~ 12:15 13.8 Optical properties and light-emitting devices	
E303 (E303)	70	09:00 ~ 12:15 13.1 Fundamental properties, surface and interface, and simulations of Si related materials	13:45 ~ 16:45 13.1 Fundamental properties, surface and interface, and simulations of Si related materials	09:00 ~ 10:30 16.2 Energy Harvesting	15:45 ~ 18:00 3.7 Laser processing	10:30 ~ 11:45 13.2 Exploratory Materials, Physical Properties, Devices	13:45 ~ 17:45 13.2 Exploratory Materials, Physical Properties, Devices	09:00 ~ 12:30 2.4 Accelerator Mass Spectrometry, Accelerator Beam Analysis	
E304 (E304)	70	09:30 ~ 11:45 13.4 Si processing /Si based thin film/ MEMS/ Equipment technology	13:45 ~ 16:15 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	13:45 ~ 17:15 16.1 Fundamental properties, evaluation, process and devices in disordered materials	09:00 ~ 11:45 16.1 Fundamental properties, evaluation, process and devices in disordered materials	13:45 ~ 17:15 16.1 Fundamental properties, evaluation, process and devices in disordered materials		
E305 (E305)	70			09:00 ~ 12:15 13.3 Insulator technology	13:45 ~ 17:45 13.3 Insulator technology	09:15 ~ 12:00 2.3 Application, radiation generators, new technology	13:45 ~ 15:30 2.3 Application, radiation generators, new technology		

# Schedule by Room (II)

Room	Cap.	Sep.18 (Wed.)		Sep.19 (Thur.)		Sep.20 (Fri.)		Sep. 21 (Sat.)	
		AM	PM	AM	PM	AM	PM	AM	PM
E306 (E306)	70				13:15 ~ 15:00 12.4 Organic light-emitting devices and organic transistors	09:00 ~ 12:15 8.5 Plasma phenomena, emerging area of plasmas and their new applications	13:15 ~ 17:00 8.4 Plasma life sciences		
E307 (E307)	70	09:45 ~ 11:45 17.1 Carbon nanotubes & other nanocarbon materials	13:15 ~ 17:15 17.1 Carbon nanotubes & other nanocarbon materials	09:00 ~ 11:45 9.4 Thermoelectric conversion	13:15 ~ 17:30 9.4 Thermoelectric conversion	10:00 ~ 11:45 7.3 Micro/Nano patterning and fabrication	13:30 ~ 17:00 T15 Another way of research on organic photovoltaic cells. Indoor use and its standardization, semi-transparent		
E308 (E308)	115	09:00 ~ 11:30 17.2 Graphene	13:15 ~ 18:00 17.2 Graphene	09:30 ~ 11:45 17.3 Layered materials	16:45 ~ 17:45 17.2 Graphene	09:00 ~ 11:45 12.2 Characterization and Materials Physics	13:30 ~ 17:20 N11 Applied Physics and Sensibility		
E310 (E310)	240	09:00 ~ 11:45 15.4 III-V-group nitride crystals	13:45 ~ 18:15 12.4 Organic light-emitting devices and organic transistors	09:00 ~ 11:45 15.4 III-V-group nitride crystals	13:15 ~ 19:00 15.4 III-V-group nitride crystals	09:00 ~ 11:45 15.4 III-V-group nitride crystals	13:15 ~ 19:00 15.4 III-V-group nitride crystals	09:00 ~ 11:45 15.4 III-V-group nitride crystals	12:45 ~ 16:00 15.4 III-V-group nitride crystals
E311 (E311)	115	09:00 ~ 11:30 6.3 Oxide electronics	13:15 ~ 18:00 6.3 Oxide electronics	09:30 ~ 11:45 6.3 Oxide electronics	13:15 ~ 17:00 6.3 Oxide electronics	09:00 ~ 12:00 15.6 Group IV Compound Semiconductors (SiC)	13:30 ~ 18:15 15.6 Group IV Compound Semiconductors (SiC)	09:00 ~ 10:45 15.6 Group IV Compound Semiconductors (SiC)	13:00 ~ 15:50 T2 The manpower training of Science and Technology, education activities and its revitalization - Hokkaido area-
E312 (E312)	70		13:30 ~ 15:30 2.4 Accelerator Mass Spectrometry, Accelerator Beam Analysis	09:30 ~ 12:00 6.2 Carbon-based thin films	13:30 ~ 17:15 6.2 Carbon-based thin films	09:15 ~ 12:00 6.2 Carbon-based thin films	13:30 ~ 17:30 6.2 Carbon-based thin films		
E313 (E313)	70		13:30 ~ 15:45 1.4 Energy conversion, storage, resources and environment	09:30 ~ 12:00 15.5 Group IV crystals and alloys	13:30 ~ 15:45 15.5 Group IV crystals and alloys	09:00 ~ 11:45 3.4 Biomedical optics	13:15 ~ 17:45 1.5 Instrumentation, measurement and Metrology		
E314 (E314)	70			13:30 ~ 15:30 2.4 Accelerator Mass Spectrometry, Accelerator Beam Analysis	09:30 ~ 12:00 6.2 Carbon-based thin films	09:15 ~ 11:30 3.12 Nanoscale optical science and near-field optics	13:30 ~ 17:15 16.3 Bulk, thin-film and other silicon-based solar cells		
E315 (E315)	70			09:15 ~ 12:15 13.9 Compound solar cells	13:45 ~ 15:30 13.9 Compound solar cells	09:00 ~ 11:30 9.2 Nanoparticles, Nanowires and Nanosheets	13:30 ~ 16:00 9.3 Nanoelectronics		
E317 (E317)	70	09:00 ~ 11:45 9.1 Dielectrics, ferroelectrics	13:15 ~ 16:30 9.1 Dielectrics, ferroelectrics	09:00 ~ 11:45 9.2 Nanoparticles, Nanowires and Nanosheets	13:15 ~ 18:45 9.2 Nanoparticles, Nanowires and Nanosheets	09:00 ~ 12:00 CS.7 Code-sharing Session of 7.2 & 7.4 & 9.5	13:00 ~ 16:45 CS.7 Code-sharing Session of 7.2 & 7.4 & 9.5		
E318 (E318)	70	09:00 ~ 12:45 CS.7 Code-sharing Session of 7.2 & Tutorial 3	13:30 ~ 16:30 Tutorial 3	09:00 ~ 12:15 CS.7 Code-sharing Session of 7.2 & 7.4 & 9.5	13:30 ~ 16:30 7.1 X-ray technologies	13:00 ~ 12:15 CS.7 Code-sharing Session of 7.2 & 7.4 & 9.5	13:00 ~ 16:45 CS.7 Code-sharing Session of 7.2 & 7.4 & 9.5		
E319 (E319)	70	9:00~11:30 Tutorial 5	13:30~16:00 Tutorial 4	13:00~16:00 Tutorial 4	13:15 ~ 19:00 3.3 Information photonics and image engineering	10:00 ~ 11:45 6.5 Surface Physics, Vacuum	13:45 ~ 16:30 CS.6 Code-sharing Session of 6.5 & 7.6	09:00 ~ 10:15 6.5 Surface Physics, Vacuum	
N302 (N302)	160	9:00~11:30 Tutorial 2	13:00 ~ 18:00 13.7 Compound and power electron devices and process technology	13:00 ~ 17:45 T14 New spintronic materials and their physical properties	13:30 ~ 17:45 T14 New spintronic materials and their physical properties	14:30~17:00 Tutorial 1	14:30~17:00 Tutorial 1	13:15 ~ 16:00 6.3 Oxide electronics	
N304 (N304)	160	09:30 ~ 11:45 3.7 Laser processing	13:15 ~ 17:30 3.7 Laser processing	09:00 ~ 11:45 3.7 Laser processing	13:45 ~ 16:30 T3 Forefront of Quantum Beam Application - Current Status and Future Prospects of Medical and Industrial Use -	09:00 ~ 11:45 CS.3 Code-sharing Session of 3.10 & 3.11 & 9.2 & 11.5 & 13.6	13:30 ~ 17:45 T21 Latest trend on atomic layer processes		
F211 (F211)	256	09:45 ~ 12:00 8.3 Plasma nanotechnology	13:45 ~ 16:00 8.6 Plasma Electronics English Session	13:45 ~ 16:00 8.6 Plasma Electronics English Session	13:45 ~ 18:15 31.1 Focused Session "AI Electronics"	09:30 ~ 12:15 31.1 Focused Session "AI Electronics"	13:45 ~ 17:45 31.1 Focused Session "AI Electronics"	09:00 ~ 12:50 T27 Mathematics and physics for understanding nature, life and their computation capabilities	
B11 (B11)	130	09:00 ~ 12:00 13.5 Semiconductor devices/ Interconnect/ Integration technologies	13:15 ~ 17:00 13.5 Semiconductor devices/ Interconnect/ Integration technologies	09:00 ~ 11:30 13.5 Semiconductor devices/ Interconnect/ Integration technologies	13:30 ~ 17:00 T19 Interfacial Nano Electrochemistry - Diversification of Semiconductor Wet Process	09:00 ~ 11:45 8.1 Plasma production and diagnostics	13:15 ~ 17:15 8.1 Plasma production and diagnostics		
B12 (B12)	120	09:00 ~ 11:45 12.3 Functional Materials and Novel Devices	13:15 ~ 18:00 12.3 Functional Materials and Novel Devices	09:00 ~ 12:00 12.3 Functional Materials and Novel Devices	13:15 ~ 18:30 T24 The present and future of crystalline Si solar cells	09:30 ~ 11:45 13.9 Compound solar cells	13:15 ~ 16:15 13.9 Compound solar cells	09:15 ~ 11:30 16.3 Bulk, thin-film and other silicon-based solar cells	13:30 ~ 14:45 16.3 Bulk, thin-film and other silicon-based solar cells

E (Inst. for Advancement of Higher Education Bldg.)

N((Inst. for Advancement of Higher Education Bldg.)

F

B-C (Sch. Of Eng. Bldg)

# Schedule by Room (III)

Room	Cap.	Sep.18 (Wed.)	Sep.19 (Thu.)	Sep.20 (Fri.)	Sep.21 (Sat.)
B31 (B31)	168	09:00 ~ 11:30 15.3 III-V-group epitaxial crystals, Fundamentals of epitaxy	09:00 ~ 11:45 77 New development of surface and interface evaluation methods for thin films	09:00 ~ 12:15 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"
B32 (B32)	168		09:30 ~ 10:30 8.8 Plasma Electronics Award Speech 10:30 ~ 11:00 8.2 Plasma Electronics Award Talk	10:00 ~ 11:45 T16 Synthesis of solid- and bio-surfaces: Toward a seamless communication between cyberspace and real life world	09:00 ~ 11:30 12.4 Organic light-emitting devices and organic transistors
B01 (B01)	364	10:00 ~ 12:25 T26 New material science and its practical application created by informatics	09:00 ~ 11:45 23.1 Joint Session N "Informatics"	09:00 ~ 11:45 23.1 Joint Session N "Informatics"	09:00 ~ 11:45 23.1 Joint Session N "Informatics"
C212 (C212)	104	13:30 ~ 15:00 15.7 Crystal characterization, impurities and crystal defects	13:30 ~ 16:45 T6 Power Electronics and Technology of Thin Films - Surfaces. For realization of low energy consumption society	13:30 ~ 17:15 T8 Total bio-mimetic material science for harmonized functions among sensing, processing and action	13:00 ~ 17:30 T8 Total bio-mimetic material science for harmonized functions among sensing, processing and action
C213 (C213)	104	13:15 ~ 15:15 2.2 Detection systems	13:30 ~ 18:30 11.1 Fundamental properties	13:15 ~ 17:00 11.5 Junction and circuit fabrication process, digital applications	13:00 ~ 14:45 2.1 Radiation physics and Detector fundamentals
C206 (C206)	56	09:00 ~ 12:15 1.6 Ultrasonics	09:30 ~ 11:45 1.1 Interdisciplinary and General Physics	09:30 ~ 11:00 11.1 Fundamental properties	09:00 ~ 11:45 2.1 Radiation physics and Detector fundamentals
C207 (C207)	56		13:15 ~ 18:00 11.4 Analog applications and their related technologies	13:15 ~ 17:45 11.2 Thin and thick superconducting films, coated conductors and film crystal growth	
C309 (C309)	96	09:00 ~ 12:00 8.2 Plasma deposition of thin film, plasma etching and surface treatment	13:45 ~ 18:30 13.6 Nanostructures, quantum phenomena, and nano quantum devices	09:00 ~ 12:30 T9 Applications of new ferroelectric materials for the future electric devices	09:00 ~ 12:30 6.1 Ferroelectric thin films
C310 (C310)	107	09:30 ~ 12:15 6.6 Probe Microscopy	13:30 ~ 16:35 T12 Development of novel functional materials based on mixed-anion compounds	09:00 ~ 12:15 6.4 Thin films and New materials	09:00 ~ 12:15 6.4 Thin films and New materials
PA1 ~ PA15	Poster Session	13:30 ~ 15:30 3.2 Equipment optics and materials 15.5 Group IV crystals and alloys	09:30 ~ 11:30 3.1 Basic optics and frontier of optics 3.7 Laser processing 6.1 Ferroelectric thin films 6.6 Probe Microscopy	09:30 ~ 11:30 3.3 Information photonics and image engineering 3.5 Laser system and materials 4. JSAF-OSA Joint Symposium 2019 8.2 Plasma deposition of thin film, plasma etching and surface treatment 8.3 Plasma nanotechnology near-field optics 8.6 Plasma Electronics English Session	09:30 ~ 11:30 1.2 Education 3.8 Optical measurement, instrumentation, and sensor 13.2 Exploratory Materials, Physical Properties, Devices
PB1 ~ PB15	Poster Session	16:00 ~ 18:00 1.6 Ultrasonics 6.2 Carbon-based thin films 6.4 Thin films and New materials 9.5 New functional materials and new phenomena	16:00 ~ 18:00 3.11 Photonic structures and phenomena 3.12 Nanoscale optical science and near-field optics 16.1 Fundamental properties, evaluation, process and devices in disordered materials	16:00 ~ 18:00 3.10 Optical quantum physics and technologies 3.14 Optical control devices and optical fibers 13.4 Si processing /Si based thin film/ MEMS / Equipment technology	16:00 ~ 18:00 17 Nanocarbons Technology
		13:30 ~ 15:30 10 Spintronics and Magnetics	13:30 ~ 15:30 12.7 Biomedical Engineering and Bioclips 13.5 Semiconductor devices/ Interconnect/ Integration technologies 13.7 Compound and power electron devices and process technology 15.6 Group IV Compound Semiconductors (SiC) 23.1 Joint Session N "Informatics" 31.1 Focused Session "AI Electronics"	13:30 ~ 15:30 6.5 Surface Physics, Vacuum Beam Technology and Nanofabrication 13.6 Nanostructures, quantum phenomena, and nano quantum devices	
		16:00 ~ 18:00 15.2 II-VI and related compounds 15.7 Crystal characterization, impurities and crystal defects 21.1 Joint Session K "Wide bandgap oxide semiconductor materials and devices"	16:00 ~ 18:00 12.1 Fabrications and Structure Controls 12.4 Organic light-emitting devices and organic transistors 12.6 Nanobiotechnology 13.9 Compound solar cells	16:00 ~ 18:00 2 Ionizing Radiation	

B-C (Sch. Of Eng. Bldg)

PA (Gymnasium #1)

PB (Gymnasium #2)