

# Symposium

| Date           | Hour          | Room |     | Category  |
|----------------|---------------|------|-----|---|
|                |               |      |     | Symposium   |
| 3/17<br>(Sat.) | 13:00 ~ 17:00 | B401 | S17 | <b>11.Superconductivity</b><br>Numerical Simulation Technology Active in Superconducting Materials ~ Physical Phenomena, Crystal Growth and Application Design ~  |
|                | 13:15 ~ 17:00 | B201 | S18 | <b>12.Organic Molecules and Bioelectronics</b><br>pMAIRS: A Cutting-Edge Technique Revealing the Molecular Orientation Even in an Amorphous Thin Film Having a Surface Roughness  |
|                | 13:15 ~ 16:20 | E201 | S20 | <b>13.Semiconductors</b><br>Progress of Compound Semiconductor Device Technologies: What Can Learn from History of GaAs Device Development  |
|                | 13:45 ~ 18:30 | C102 | S21 | <b>13.Semiconductors</b><br>Novel Physical Properties and Applications of Ternary Compounds   |
|                | 13:45 ~ 17:30 | C302 | S26 | <b>15.Crystal Engineering</b><br>A New Era of Defect Research Starting with Field Fusion  |
|                | 13:00 ~ 18:30 | D101 | S30 | <b>16.Amorphous and Microcrystalline Materials</b><br>Recent Progress of Crystalline Silicon Solar Cells for Terawatt Power Generation  |
| 3/18<br>(Sun.) | 13:45 ~ 18:05 | F102 | S1  | <b>1.Interdisciplinary Physics and Related Areas of Science and Technology</b><br>Thermoacoustic  |
|                | 13:15 ~ 16:30 | A304 | S3  | <b>2.Ionizing Radiation</b><br>The Synchrotron Radiation Micro Beam Technology for the Real Elucidation of Biological Effect of Radiation   |
|                | 13:45 ~ 17:30 | C303 | S4  | <b>3.Optics and Photonics</b><br>Polarization Imaging for Light Wave Sensing  |
|                | 13:15 ~ 18:00 | A404 | S5  | <b>3.Optics and Photonics</b><br>Progress in Studies on Material Conversion and Processing with High-Power Lasers   |
|                | 13:30 ~ 16:45 | A302 | S6  | <b>3.Optics and Photonics</b><br>Quantum Computer and Quantum Simulator   |
|                | 09:15 ~ 18:00 | C103 | S7  | <b>6.Thin Films and Surfaces</b><br>New Developments on Technologies for Flexible Ceramics Coatings and Inorganic/Organic Hybrid Flexible Devices   |
|                | 13:45 ~ 17:45 | F210 | S8  | <b>6.Thin Films and Surfaces</b><br>The Forefront of Tip-Enhanced Raman Spectroscopy  |
|                | 13:00 ~ 17:00 | C104 | S9  | <b>6.Thin Films and Surfaces</b><br>Fundamentals and Applications of Piezoelectric Thin-Film Devices  |
|                | 13:45 ~ 17:30 | C201 | S10 | <b>6.Thin Films and Surfaces / 7.Beam Technology and Nanofabrication</b><br>Ion Beam and Surface Analysis: Recent Progress in Secondary Ion Mass Spectrometry (SIMS) and Its Application to Organic Analysis                |
|                | 13:45 ~ 18:00 | C204 | S13 | <b>8.Plasma Electronics</b><br>Synthesis and Plasma Processing for 2D Sheet Materials ~from Ultra-Thin Films to Atomically Thin Layered Materials~  |
|                | 13:30 ~ 17:45 | F104 | S14 | <b>9.Applied Materials Science</b><br>Evolution of Nanowire Devices and Physics for IoT Era   |
|                | 13:15 ~ 17:00 | D104 | S15 | <b>10.Spintronics and Magnetics</b><br>What is "Neuromorphic Hardware" ?  |
|                | 13:15 ~ 18:40 | A202 | S22 | <b>13.Semiconductors</b><br>Semiconductor Device Simulation: Applications and Future Perspectives   |
|                | 13:00 ~ 17:25 | C304 | S27 | <b>15.Crystal Engineering</b><br>Ge Technology - Innovation of Group-IV Semiconductors Electronics  |
|                | 13:15 ~ 16:25 | A402 | S28 | <b>15.Crystal Engineering</b><br>Development of Innovative Functional Materials Based on Mixed-Anion Compounds  |
| 3/19<br>(Mon.) | 10:15 ~ 17:15 | F102 | S2  | <b>1.Interdisciplinary Physics and Related Areas of Science and Technology</b><br>Progress in Materials and Devices Technology for Advanced Use of Renewable Energy   |
|                | 13:45 ~ 17:45 | C103 | S11 | <b>6.Thin Films and Surfaces /13.Semiconductors</b><br>Advanced 3D Atomic Imaging to Develop New Materials and Devices Technologies   |
|                | 13:45 ~ 17:45 | C102 | S12 | <b>7.Beam Technology and Nanofabrication</b><br>Novel Emitters and Applications   |
|                | 13:15 ~ 17:30 | A202 | S16 | <b>10.Spintronics and Magnetics</b><br>Magneto Science Now and the Future   |
|                | 13:15 ~ 16:45 | D102 | S19 | <b>12.Organic Molecules and Bioelectronics</b><br>New Sensor Technologies Based on Advanced Nanobiodevices and Machine Learning   |
|                | 13:30 ~ 17:10 | G203 | S23 | <b>13.Semiconductors</b><br>Is Ge substituting for Si?  |
|                | 13:45 ~ 19:05 | C101 | S24 | <b>13.Semiconductors</b><br>Integrated Sensing Systems for Ubiquitous Health Care Applications  |
|                | 13:15 ~ 17:35 | G201 | S25 | <b>13.Semiconductors</b><br>Visualizing a Brilliant Future for Japanese Semiconductor Industry & Research   |
|                | 13:30 ~ 17:30 | E202 | S29 | <b>15.Crystal Engineering</b><br>Materials Science and Advanced Electronics Created by Singularity of Nitride Semiconductors: How Far Can We Control the Defects? —<br>Advanced Characterization and Functional Exploration |
|                | 13:15 ~ 18:00 | D101 | S31 | <b>16.Amorphous and Microcrystalline Materials</b><br>Women in Photovoltaics at JSAP  |
|                | 13:15 ~ 18:50 | C304 | S32 | <b>Joint Session M "Phonon Engineering"</b><br>Challenge to Heat Dissipation Problems by Organic-Inorganic Materials ~Forefront of Physics and Application~   |