

**Room Change Announcement (9/15 Tue.)**

CS2 3.11/13.7 Code-sharing session: Room 2C→Room 1H

4.5 Information Photonics: Room 2F→Room 2C

# Schedule by Category I

Nagoya Congress Center

| Category                                                                                                                                                             | September 13 (Sun.) |                      | September 14 (Mon.) |                      | September 15 (Tue.) |                      | September 16 (Wed.) |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|---------------------|
| Section                                                                                                                                                              | AM                  | PM                   | AM                  | PM                   | AM                  | PM                   | AM                  | PM                  |
| <b>Special Symposium</b>                                                                                                                                             |                     |                      |                     |                      |                     |                      |                     |                     |
| Message for the Future from the Nobel Laureates                                                                                                                      |                     | CE<br>13:00 ~ 14:45  |                     |                      |                     |                      |                     |                     |
| Artificial Photosynthesis: Approach from Materials and Physical Properties Devices                                                                                   |                     |                      |                     |                      |                     | CE<br>13:15 ~ 18:00  |                     |                     |
| The industrial revolution for next-generation - Future industry and society driven by human-technology fusion -                                                      |                     |                      |                     |                      |                     |                      |                     | CE<br>13:00 ~ 17:15 |
| <b>2015 Fellow International Special Lectures</b>                                                                                                                    |                     |                      |                     |                      |                     |                      |                     |                     |
| 2015 Fellow International Special Lectures                                                                                                                           |                     | 3A<br>13:30 ~ 15:45  |                     |                      |                     |                      |                     |                     |
| <b>Symposium</b>                                                                                                                                                     |                     |                      |                     |                      |                     |                      |                     |                     |
| S.13 Seeds Researches in Organic Electronics                                                                                                                         |                     | 1G<br>13:15 ~ 16:45  |                     |                      |                     |                      |                     |                     |
| S.11 English session: Asian Joint Symposium on Nanobiotechnology                                                                                                     |                     | PB7<br>16:00 ~ 18:00 | 3A<br>9:00 ~ 11:45  | 3A<br>13:15 ~ 18:30  |                     |                      |                     |                     |
| S.21 Progress of semiconductor wet processing - from silicon to compound -                                                                                           |                     | 1B<br>13:15 ~ 17:45  |                     |                      |                     |                      |                     |                     |
| S.22 New approach to the next-generation device using multinary compounds -- novel fields of solar cells, thermoelectric materials, magnetic-dielectric materials -- |                     | 2M<br>13:15 ~ 18:30  |                     |                      |                     |                      |                     |                     |
| S.14 What is the last knob of Ge-CMOS?                                                                                                                               |                     | 4C<br>13:15 ~ 17:00  |                     |                      |                     |                      |                     |                     |
| S.18 Science and recent trend of liquid silicon                                                                                                                      |                     | 4F<br>13:15 ~ 17:45  |                     |                      |                     |                      |                     |                     |
| S.19 Trend of Functional Atomic Thin Film Application                                                                                                                |                     | 1A<br>13:15 ~ 18:15  |                     |                      |                     |                      |                     |                     |
| S.1 Science Communication Associated with Companies and Communities and so on                                                                                        |                     |                      |                     | 2L<br>13:45 ~ 15:45  |                     |                      |                     |                     |
| S.2 Radiation application in chemical analysis                                                                                                                       |                     |                      |                     | 2V<br>13:45 ~ 16:30  |                     |                      |                     |                     |
| S.3 Symposium to Commemorate the Foundation of Photonics Division, "Dream in the Photonics"                                                                          |                     |                      |                     | 1D<br>13:00 ~ 17:00  |                     |                      |                     |                     |
| S.5 International Symposium on Thin Film Technologies for Flexible Devices                                                                                           |                     |                      | 1A<br>9:00 ~ 11:45  | 1A<br>13:30 ~ 17:00  |                     |                      |                     |                     |
| S.6 In search of the new development of dielectric and ferroelectric materials and their devices                                                                     |                     |                      |                     | 4F<br>13:30 ~ 17:45  |                     |                      |                     |                     |
| S.9 Frontier of Plasma Medicine                                                                                                                                      |                     |                      |                     | 1F<br>13:30 ~ 18:00  |                     |                      |                     |                     |
| S.11 English session: Asian Joint Symposium on Nanobiotechnology                                                                                                     |                     | PB7<br>16:00 ~ 18:00 | 3A<br>9:00 ~ 11:45  | 3A<br>13:15 ~ 18:30  |                     |                      |                     |                     |
| S.12 Present Situation and Future Prospects of Organic-Inorganic Perovskite Solar Cells                                                                              |                     |                      | 1G<br>11:15 ~ 12:45 | 1G<br>14:00 ~ 18:15  |                     |                      |                     |                     |
| S.15 Dielectric Thin Film Technology Beyond Borders: From Si to Non-Si                                                                                               |                     |                      |                     | 4C<br>13:30 ~ 16:45  |                     |                      |                     |                     |
| S.16 New functional GaN-based laser diodes and the applications                                                                                                      |                     |                      |                     | CE<br>14:15 ~ 17:45  |                     |                      |                     |                     |
| S.20 Evaluation technology for oxide semiconductor                                                                                                                   |                     |                      |                     | 1B<br>13:15 ~ 18:00  |                     |                      |                     |                     |
| S.4 Quantum Silicon Technology from the ground up                                                                                                                    |                     |                      |                     |                      |                     | 2M<br>14:00 ~ 18:30  |                     |                     |
| S.8 Forefront of research on atomic and nano-scaled functionalities in oxides                                                                                        |                     |                      |                     |                      |                     | 2J<br>13:45 ~ 18:30  |                     |                     |
| S.10 The New Spintronics Phenomena and Potential for the Applications                                                                                                |                     |                      |                     |                      |                     | 3A<br>13:15 ~ 17:15  |                     |                     |
| S.17 Materials science of singularity in nitride semiconductors -Control and physics on surface and interface-                                                       |                     |                      |                     |                      |                     | 1D<br>13:15 ~ 17:45  |                     |                     |
| <b>1 Interdisciplinary Physics and Related Areas of Science and Technology</b>                                                                                       |                     |                      |                     |                      |                     |                      |                     |                     |
| 1.1 Interdisciplinary and General Physics                                                                                                                            |                     |                      |                     |                      | 2K<br>10:30 ~ 12:15 | PA2<br>16:00 ~ 18:00 |                     |                     |
| 1.2 Education                                                                                                                                                        |                     |                      |                     |                      | PA1<br>9:30 ~ 11:30 |                      |                     |                     |
| 1.3 Novel technologies and interdisciplinary engineering                                                                                                             |                     |                      |                     |                      |                     | PA3<br>16:00 ~ 18:00 | 2K<br>9:00 ~ 12:15  |                     |
| 1.4 Energy conversion, storage, resources and environment                                                                                                            |                     |                      |                     |                      | PA2<br>9:30 ~ 11:30 | 2K<br>13:45 ~ 17:45  |                     |                     |
| 1.5 Instrumentation, measurement and Metrology                                                                                                                       |                     | 2K<br>13:45 ~ 16:30  |                     | PB3<br>16:00 ~ 18:00 |                     |                      |                     |                     |
| 1.6 Ultrasonics                                                                                                                                                      |                     |                      | 2K<br>9:00 ~ 12:15  | PB4<br>16:00 ~ 18:00 |                     |                      |                     |                     |
| <b>2 Ionizing Radiation</b>                                                                                                                                          |                     |                      |                     |                      |                     |                      |                     |                     |
| 2.1 Radiation physics and Detector fundamentals                                                                                                                      |                     |                      |                     |                      | 2W<br>9:00 ~ 12:45  |                      |                     |                     |
| 2.2 Detection systems                                                                                                                                                |                     | PA7<br>18:30 ~ 20:30 |                     |                      |                     | 2W<br>13:45 ~ 20:00  |                     | 2W<br>13:45 ~ 16:15 |
| 2.3 Application, radiation generators, new technology                                                                                                                |                     |                      |                     |                      |                     |                      | 2W<br>9:00 ~ 12:30  |                     |

**How to Read a Table****Ex)**

| September 13 (Sun.)  | September 14 (Mon.) | September 15 (Tue.) | September 16 (Wed.) |
|----------------------|---------------------|---------------------|---------------------|
| AM                   | AM                  | AM                  | AM                  |
| PM                   | PM                  | PM                  | PM                  |
| PA7<br>18:30 ~ 20:30 | 1B<br>13:15 ~ 18:00 | 4B<br>10:00 ~ 11:30 | 1G<br>9:00 ~ 11:45  |
| Poster presentation  | Session Room        | Session Time        | 1G<br>13:15 ~ 17:00 |

**Room Change Announcement (9/15 Tue.)**

CS2 3.11/13.7 Code-sharing session: Room 2C→Room 1H

4.5 Information Photonics: Room 2F→Room 2C

# Schedule by Category II

Nagoya Congress Center

| Category                                                                                                      | September 13 (Sun.) |                      | September 14 (Mon.) |                       | September 15 (Tue.) |                      | September 16 (Wed.) |                     |
|---------------------------------------------------------------------------------------------------------------|---------------------|----------------------|---------------------|-----------------------|---------------------|----------------------|---------------------|---------------------|
| Section                                                                                                       | AM                  | PM                   | AM                  | PM                    | AM                  | PM                   | AM                  | PM                  |
| 3 Optics and Photonics # Code-sharing session 3.5 and 3.14, 3.11 and 13.7 ( See also "Code sharing session" ) |                     |                      |                     |                       |                     |                      |                     |                     |
| 3.1 Basic optics and frontier of optics                                                                       |                     | 2E<br>13:45 ~ 18:15  |                     | PA1<br>13:30 ~ 15:30  |                     |                      |                     |                     |
| 3.2 Equipment optics and materials                                                                            | 2A<br>9:00 ~ 11:45  | PA2<br>16:00 ~ 18:00 |                     |                       |                     |                      |                     |                     |
| 3.3 Information photonics and image engineering                                                               |                     | PA3<br>16:00 ~ 18:00 | 2E<br>10:00 ~ 12:00 | 2E<br>13:30 ~ 15:15   |                     |                      |                     |                     |
| 3.4 Biomedical optics                                                                                         |                     |                      | PB1<br>9:30 ~ 11:30 | 2N<br>13:45 ~ 18:00   |                     |                      |                     |                     |
| 3.5 Laser system and materials                                                                                | 2D<br>9:00 ~ 12:00  | 2D<br>13:45 ~ 16:15  | 2D<br>9:00 ~ 12:00  | PA2<br>13:30 ~ 15:30  |                     |                      |                     |                     |
| CS1 3.5/3.14 Code-sharing session                                                                             |                     |                      |                     | 2G<br>13:45 ~ 17:15   |                     |                      |                     |                     |
| 3.6 Ultrashort-pulse and high-intensity lasers                                                                | 2G<br>09:45 ~ 12:15 | 2G<br>13:45 ~ 17:45  | 2G<br>9:30 ~ 12:15  | PA3<br>13:30 ~ 15:30  |                     |                      |                     |                     |
| 3.7 Laser processing                                                                                          |                     | 2F<br>13:45 ~ 18:15  | 2F<br>9:30 ~ 12:00  | 2F<br>13:45 ~ 18:00   |                     |                      |                     |                     |
|                                                                                                               |                     |                      |                     | PA12<br>18:30 ~ 20:30 |                     |                      |                     |                     |
| 3.8 Optical measurement, instrumentation, and sensor                                                          |                     |                      |                     |                       | PA3<br>9:30 ~ 11:30 | 1E<br>13:30 ~ 16:30  | 1E<br>9:00 ~ 12:00  | 1E<br>13:00 ~ 17:00 |
| 3.9 Terahertz technologies                                                                                    |                     |                      | 2S<br>9:00 ~ 12:15  | PA7<br>16:00 ~ 18:00  |                     |                      | 2J<br>9:00 ~ 12:15  | 2J<br>13:45 ~ 17:00 |
| 3.10 Optical quantum physics and technologies                                                                 |                     |                      |                     |                       | 4D<br>9:00 ~ 12:30  |                      | PA1<br>9:30 ~ 11:30 |                     |
| 3.11 Photonic structures and phenomena                                                                        |                     |                      |                     |                       | PA4<br>9:30 ~ 11:30 |                      | 2A<br>9:00 ~ 12:15  | 2A<br>13:45 ~ 17:00 |
| CS2 3.11/13.7 Code-sharing session                                                                            |                     |                      |                     |                       |                     | 2C<br>13:45 ~ 20:00  |                     |                     |
| 3.12 Nanoscale optical science and near-field optics                                                          |                     |                      |                     |                       | 2G<br>09:15 ~ 12:15 | 2G<br>13:45 ~ 18:00  | 2G<br>09:15 ~ 12:15 | 2G<br>13:45 ~ 16:45 |
|                                                                                                               |                     |                      |                     |                       |                     | PA5<br>18:30 ~ 20:30 |                     |                     |
| 3.13 Semiconductor optical devices                                                                            |                     |                      |                     | PA8<br>16:00 ~ 18:00  | 1E<br>9:00 ~ 11:30  |                      | 2E<br>10:00 ~ 12:15 | 2E<br>13:45 ~ 16:30 |
| 3.14 Optical control devices and optical fibers                                                               |                     |                      | PB2<br>9:30 ~ 11:30 |                       | 2F<br>9:00 ~ 11:45  |                      | 2F<br>9:00 ~ 12:15  |                     |
| CS1 3.5/3.14 Code-sharing session                                                                             |                     |                      |                     | 2G<br>13:45 ~ 17:15   |                     |                      |                     |                     |
| 3.15 Silicon photonics                                                                                        | 2S<br>10:00 ~ 12:15 | 2S<br>13:45 ~ 18:00  | 2N<br>09:15 ~ 12:15 | PA4<br>13:30 ~ 15:30  |                     |                      |                     |                     |
| 4 JSAP-OSA Joint Symposia 2015                                                                                |                     |                      |                     |                       |                     |                      |                     |                     |
| 4.1 Plasmonics                                                                                                | 2C<br>9:00 ~ 12:30  | 2C<br>13:45 ~ 17:45  | 2C<br>9:00 ~ 12:15  |                       |                     |                      |                     |                     |
| 4.2 Bio- and Medical Photonics                                                                                |                     |                      |                     |                       |                     |                      | 2C<br>09:15 ~ 12:15 | 2C<br>13:45 ~ 17:00 |
| 4.3 Optical Micro-sensing, Manipulation, and Fabrications                                                     |                     |                      |                     | 2C<br>13:45 ~ 18:00   |                     |                      |                     |                     |
| 4.4 Opto-electronics                                                                                          |                     |                      | PB3<br>9:30 ~ 11:30 | 2D<br>13:45 ~ 19:45   |                     |                      |                     |                     |
| 4.5 Information Photonics                                                                                     |                     |                      |                     |                       |                     | 2F<br>13:45 ~ 19:45  |                     |                     |
| 4.6 Nanocarbon and 2D materials photonics                                                                     |                     |                      |                     |                       | 2D<br>9:30 ~ 12:15  | 2D<br>15:00 ~ 17:45  |                     |                     |
| 4.7 Terahertz Photonics                                                                                       |                     |                      |                     |                       | 2E<br>9:00 ~ 12:45  | 2E<br>15:00 ~ 18:45  |                     |                     |
| 6 Thin Films and Surfaces # Code-sharing session 6.6 and 12.2 ( See also "Code sharing session" )             |                     |                      |                     |                       |                     |                      |                     |                     |
| 6.1 Ferroelectric thin films                                                                                  |                     |                      | PA1<br>9:30 ~ 11:30 |                       | 2L<br>9:00 ~ 12:15  | 2L<br>13:45 ~ 17:15  | 2L<br>9:00 ~ 12:00  |                     |
| 6.2 Carbon-based thin films                                                                                   |                     |                      | 4F<br>9:00 ~ 12:00  | PA9<br>16:00 ~ 18:00  | 4F<br>9:00 ~ 11:45  | 4F<br>13:15 ~ 20:00  |                     |                     |
| 6.3 Oxide electronics                                                                                         |                     | 2H<br>13:45 ~ 19:15  | 2H<br>9:00 ~ 11:45  | 2H<br>13:45 ~ 17:45   | 2H<br>9:30 ~ 12:00  |                      | 2H<br>9:00 ~ 12:15  |                     |
|                                                                                                               |                     |                      |                     | PA13<br>18:30 ~ 20:30 |                     |                      |                     |                     |
| 6.4 Thin films and New materials                                                                              | 2Q<br>9:00 ~ 12:15  | 2Q<br>13:15 ~ 20:30  |                     | PA10<br>16:00 ~ 18:00 | 2J<br>9:00 ~ 11:45  |                      |                     |                     |
| 6.5 Surface Physics, Vacuum                                                                                   |                     | 4E<br>13:15 ~ 18:45  |                     | PA14<br>18:30 ~ 20:30 |                     |                      |                     |                     |
| 6.6 Probe Microscopy                                                                                          |                     |                      |                     | PA11<br>16:00 ~ 18:00 |                     |                      | 2U<br>9:00 ~ 12:15  | 2U<br>13:30 ~ 17:00 |
| CS3 6.6/12.2 Code-sharing session                                                                             |                     |                      |                     |                       | 2N<br>9:30 ~ 11:45  |                      |                     |                     |
| 7 Beam Technology and Nanofabrication                                                                         |                     |                      |                     |                       |                     |                      |                     |                     |
| 7.1 X-ray technologies                                                                                        |                     |                      |                     | PB8<br>18:30 ~ 20:30  | 4E<br>10:00 ~ 11:45 |                      | 4E<br>9:00 ~ 11:00  |                     |
| 7.2 Applications and technologies of electron beams                                                           |                     |                      |                     | PB9<br>18:30 ~ 20:30  |                     | 4E<br>13:15 ~ 19:30  |                     |                     |
| 7.3 Micro/Nano patterning and fabrication                                                                     |                     |                      |                     |                       |                     |                      | 4E<br>11:15 ~ 12:15 | 4E<br>13:45 ~ 16:45 |
| 7.4 Buried interface sciences with quantum beam                                                               |                     |                      | 4E<br>9:30 ~ 11:15  |                       |                     |                      |                     |                     |

**Room Change Announcement (9/15 Tue.)**

CS2 3.11/13.7 Code-sharing session: Room 2C→Room 1H

4.5 Information Photonics: Room 2F→Room 2C

# Schedule by Category III

Nagoya Congress Center

| Category                                                                                                        | September 13 (Sun.) |                      | September 14 (Mon.) |                       | September 15 (Tue.) |                      | September 16 (Wed.) |                     |
|-----------------------------------------------------------------------------------------------------------------|---------------------|----------------------|---------------------|-----------------------|---------------------|----------------------|---------------------|---------------------|
| Section                                                                                                         | AM                  | PM                   | AM                  | PM                    | AM                  | PM                   | AM                  | PM                  |
| 7.5 Atomic/molecular beams and beam-related new technologies                                                    | 4E<br>11:00 ~ 11:45 |                      |                     | PB10<br>18:30 ~ 20:30 |                     |                      |                     |                     |
| 7.6 Ion beams                                                                                                   |                     |                      |                     | 4E<br>12:30 ~ 18:15   |                     |                      |                     |                     |
|                                                                                                                 |                     |                      |                     | PB11<br>18:30 ~ 20:30 |                     |                      |                     |                     |
| 8 Plasma Electronics                                                                                            |                     |                      |                     |                       |                     |                      |                     |                     |
| 8.0 Plasma Electronics English Session                                                                          |                     | 1F<br>14:30 ~ 18:45  |                     |                       |                     | PB2<br>18:30 ~ 20:30 |                     |                     |
| 8.1 Plasma production and control                                                                               |                     |                      |                     |                       |                     | 2V<br>13:00 ~ 19:00  |                     |                     |
|                                                                                                                 |                     |                      |                     |                       |                     | PB2<br>18:30 ~ 20:30 |                     |                     |
| 8.2 Plasma measurements and diagnostics                                                                         |                     |                      |                     |                       | 2V<br>9:00 ~ 11:30  |                      |                     |                     |
| 8.3 deposition of thin film and surface treatment                                                               |                     |                      |                     |                       |                     |                      | 2Q<br>11:15 ~ 12:15 | 2Q<br>13:45 ~ 17:00 |
| 8.4 Plasma etching                                                                                              |                     |                      |                     |                       | 2Q<br>9:00 ~ 12:15  |                      |                     |                     |
| 8.5 nanotechnology.                                                                                             |                     |                      |                     |                       |                     |                      | 2Q<br>9:00 ~ 11:15  |                     |
| 8.6 Plasma life sciences                                                                                        |                     |                      |                     |                       |                     |                      | 2V<br>9:00 ~ 12:15  | 2V<br>13:45 ~ 17:00 |
| 8.7 Plasma phenomena, emerging area of plasmas and their new applications                                       |                     |                      |                     |                       |                     | 2Q<br>13:45 ~ 18:15  |                     |                     |
|                                                                                                                 |                     |                      |                     |                       |                     | PB2<br>18:30 ~ 20:30 |                     |                     |
| 8.8 Plasma Electronics Invited Lecture                                                                          |                     | 1F<br>13:00 ~ 14:30  | 1F<br>10:30 ~ 11:30 |                       |                     |                      |                     |                     |
| 8.9 Plasma Electronics Award Speech                                                                             |                     |                      | 1F<br>9:30 ~ 10:30  |                       |                     |                      |                     |                     |
| 9 Applied Materials Science # Code-sharing session 9.4 and 16.2 ( See also "Code sharing session" )             |                     |                      |                     |                       |                     |                      |                     |                     |
| 9.1 Dielectrics, ferroelectrics                                                                                 |                     | 2L<br>14:00 ~ 17:00  | PA2<br>9:30 ~ 11:30 |                       |                     |                      |                     |                     |
| 9.2 Nanowires and Nanoparticles                                                                                 |                     |                      | 2Q<br>9:00 ~ 12:30  | 2Q<br>14:00 ~ 18:15   | PB1<br>9:30 ~ 11:30 |                      |                     |                     |
| 9.3 Nanoelectronics                                                                                             |                     |                      |                     |                       |                     | PA1<br>13:30 ~ 15:30 | 4A<br>09:15 ~ 11:45 |                     |
| 9.4 Thermoelectric conversion                                                                                   | 2T<br>9:00 ~ 12:15  | 2T<br>14:00 ~ 16:15  |                     |                       |                     |                      |                     |                     |
| CS4 9.4/16.2 Code-sharing session                                                                               |                     |                      |                     | PA6<br>13:30 ~ 15:30  |                     |                      |                     |                     |
| 9.5 New functional materials and new phenomena                                                                  | 2R<br>9:00 ~ 12:00  | 2R<br>13:45 ~ 16:45  |                     | PA5<br>13:30 ~ 15:30  |                     |                      |                     |                     |
| 10 Spintronics and Magnetics                                                                                    |                     |                      |                     |                       |                     |                      |                     |                     |
| 10.1 Emerging materials in spintronics and magnetics (excluding semiconductors)                                 | 2J<br>9:00 ~ 12:00  | PA1<br>13:30 ~ 15:30 |                     |                       |                     |                      |                     |                     |
|                                                                                                                 |                     | 2J<br>16:00 ~ 17:45  |                     |                       |                     |                      |                     |                     |
| 10.2 Spin torque, spin current, circuits, and measurement technologies                                          |                     | PA1<br>13:30 ~ 15:30 |                     | 2J<br>15:00 ~ 18:45   | 3A<br>9:00 ~ 11:45  |                      |                     |                     |
| 10.3 Giant magnetoresistance (GMR), tunnel magnetoresistance (TMR) and magnetic recording technologies          |                     |                      | 2J<br>9:00 ~ 12:15  | 2J<br>13:45 ~ 14:45   |                     |                      |                     |                     |
| 10.4 Semiconductors, organic, optical, and quantum spintronics                                                  |                     |                      |                     |                       |                     | 3A<br>9:00 ~ 11:45   | 3A<br>13:45 ~ 17:00 |                     |
| 10.5 Application of magnetic field                                                                              |                     |                      |                     | 4B<br>13:45 ~ 15:45   |                     |                      |                     |                     |
|                                                                                                                 |                     |                      |                     |                       |                     |                      |                     |                     |
| 11 Superconductivity                                                                                            |                     |                      |                     |                       |                     |                      |                     |                     |
| 11.1 Fundamental properties                                                                                     | 4A<br>09:45 ~ 12:00 | 4A<br>13:00 ~ 17:45  | PA3<br>9:30 ~ 11:30 |                       |                     |                      |                     |                     |
| 11.2 Thin and thick superconducting films, coated conductors and film crystal growth                            |                     |                      |                     |                       |                     | 4A<br>13:15 ~ 17:45  |                     |                     |
| 11.3 Critical Current, Superconducting Power Applications                                                       |                     |                      |                     | 4D<br>13:00 ~ 16:30   |                     |                      |                     |                     |
| 11.4 Analog applications and their related technologies                                                         |                     |                      |                     | 4A<br>12:45 ~ 20:00   | 4A<br>9:00 ~ 12:00  |                      |                     |                     |
| 11.5 Junction and circuit fabrication process, digital applications                                             |                     |                      |                     |                       | 4B<br>10:00 ~ 11:30 | 4B<br>13:00 ~ 14:45  |                     |                     |
| 12 Organic Molecules and Bioelectronics # Code-sharing session 6.6 and 12.2 ( See also "Code sharing session" ) |                     |                      |                     |                       |                     |                      |                     |                     |
| 12.1 Fabrications and Structure Controls                                                                        |                     |                      | 1E<br>9:00 ~ 11:30  | 1E<br>13:00 ~ 18:00   | PB2<br>9:30 ~ 11:30 |                      |                     |                     |
| 12.2 Characterization and Materials Physics                                                                     |                     |                      |                     | PB5<br>16:00 ~ 18:00  |                     | 2N<br>14:00 ~ 18:30  | 2N<br>9:30 ~ 11:30  |                     |
| CS3 6.6/12.2 Code-sharing session                                                                               |                     |                      |                     |                       | 2N<br>9:30 ~ 11:45  |                      |                     |                     |
| 12.3 Functional Materials and Novel Devices                                                                     | 4F<br>9:00 ~ 11:45  | PB8<br>18:30 ~ 20:30 | 2A<br>9:00 ~ 12:15  | 2A<br>14:00 ~ 18:30   |                     |                      |                     |                     |
| 12.4 Organic light-emitting devices and organic transistors                                                     | 1G<br>9:00 ~ 11:45  | PA4<br>16:00 ~ 18:00 |                     |                       | 1G<br>9:00 ~ 11:45  | 1G<br>13:15 ~ 19:00  | 1G<br>9:00 ~ 11:45  | 1G<br>13:15 ~ 17:00 |
| 12.5 Organic solar cells                                                                                        |                     | 2V<br>15:00 ~ 18:00  | 1G<br>9:00 ~ 11:15  |                       | 1F<br>9:30 ~ 12:30  | 1F<br>13:30 ~ 17:15  |                     |                     |
|                                                                                                                 |                     | PB9<br>18:30 ~ 20:30 |                     |                       |                     |                      |                     |                     |

**Room Change Announcement (9/15 Tue.)**

CS2 3.11/13.7 Code-sharing session: Room 2C→Room 1H

4.5 Information Photonics: Room 2F→Room 2C

# Schedule by Category IV

Nagoya Congress Center

| Category                                                                                                            | September 13 (Sun.) |                      | September 14 (Mon.) |                       | September 15 (Tue.) |                      | September 16 (Wed.) |                     |
|---------------------------------------------------------------------------------------------------------------------|---------------------|----------------------|---------------------|-----------------------|---------------------|----------------------|---------------------|---------------------|
| Section                                                                                                             | AM                  | PM                   | AM                  | PM                    | AM                  | PM                   | AM                  | PM                  |
| 12.6 Nanobiotechnology                                                                                              |                     | PB4<br>16:00 ~ 18:00 |                     |                       | 2A<br>9:00 ~ 12:00  | 2A<br>13:45 ~ 19:45  |                     |                     |
| 12.7 Biomedical Engineering and Biochips                                                                            | 2B<br>9:00 ~ 12:15  | 2B<br>13:45 ~ 15:15  |                     |                       | 2B<br>9:00 ~ 12:15  | 2B<br>13:45 ~ 18:00  |                     |                     |
|                                                                                                                     |                     | PB5<br>16:00 ~ 18:00 |                     |                       |                     |                      |                     |                     |
| 13 Semiconductors # Code-sharing session 3.11 and 13.7 ( See also "Code sharing session" )                          |                     |                      |                     |                       |                     |                      |                     |                     |
| 13.1 Fundamental properties, surface and interface, and simulations of Si related materials                         |                     |                      |                     |                       |                     | PA4<br>16:00 ~ 18:00 | 2D<br>10:15 ~ 12:15 | 2D<br>13:15 ~ 17:00 |
| 13.2 Exploratory Materials, Physical Properties, Devices                                                            |                     |                      |                     |                       | PB3<br>9:30 ~ 11:30 | 2R<br>13:30 ~ 19:15  | 2R<br>9:00 ~ 12:00  |                     |
| 13.3 Insulator technology                                                                                           | 4C<br>9:00 ~ 12:15  | PA5<br>16:00 ~ 18:00 | 4C<br>9:00 ~ 11:45  |                       |                     |                      |                     |                     |
| 13.4 Si wafer processing /MEMS/Integration technology                                                               | 1C<br>9:00 ~ 11:45  | 1C<br>13:15 ~ 17:15  | 1C<br>9:00 ~ 11:45  | 1C<br>13:15 ~ 17:30   | PB4<br>9:30 ~ 11:30 |                      |                     |                     |
| 13.5 Semiconductor devices and related technologies                                                                 |                     |                      | PB4<br>9:30 ~ 11:30 |                       | 1C<br>10:00 ~ 11:45 | 1C<br>13:15 ~ 18:00  | 1C<br>9:00 ~ 12:00  |                     |
| 13.6 Semiconductor English Session                                                                                  |                     |                      |                     |                       | PB5<br>9:30 ~ 11:30 |                      | 2D<br>9:00 ~ 10:00  |                     |
| 13.7 Nano structures and quantum phenomena                                                                          |                     |                      | 4D<br>9:00 ~ 11:45  | PB1<br>13:30 ~ 15:30  |                     |                      |                     |                     |
| CS2 3.11/13.7 Code-sharing session                                                                                  |                     |                      |                     |                       |                     | 2C<br>13:45 ~ 20:00  |                     |                     |
| 13.8 Compound and power electron devices and process technology                                                     |                     |                      |                     | PB2<br>13:30 ~ 15:30  | 4C<br>9:00 ~ 12:30  | 4C<br>14:00 ~ 17:45  | 4C<br>9:00 ~ 12:00  | 4C<br>13:30 ~ 15:45 |
| 13.9 Optical properties and light-emitting devices                                                                  |                     | PA6<br>16:00 ~ 18:00 | 2B<br>9:30 ~ 12:15  | 2B<br>13:45 ~ 16:30   |                     |                      | 2B<br>10:00 ~ 12:15 | 2B<br>13:45 ~ 16:00 |
| 13.10 Compound solar cells                                                                                          |                     |                      | 2M<br>9:00 ~ 12:15  | 2M<br>13:30 ~ 19:15   | 2M<br>9:00 ~ 12:15  | PB1<br>13:30 ~ 15:30 |                     |                     |
| 15 Crystal Engineering                                                                                              |                     |                      |                     |                       |                     |                      |                     |                     |
| 15.1 Bulk crystal growth                                                                                            |                     |                      | PB5<br>9:30 ~ 11:30 | 2K<br>13:45 ~ 18:15   |                     |                      |                     |                     |
| 15.2 II-VI and related compounds                                                                                    | 1A<br>9:00 ~ 11:00  | PB1<br>13:30 ~ 15:30 |                     |                       |                     |                      |                     |                     |
| 15.3 III-V-group epitaxial crystals                                                                                 |                     | PB2<br>13:30 ~ 15:30 | 2W<br>09:15 ~ 12:15 | 2W<br>13:45 ~ 16:30   |                     |                      |                     |                     |
| 15.4 III-V-group nitride crystals                                                                                   | 1D<br>08:45 ~ 11:45 | 1D<br>13:15 ~ 20:15  | 1D<br>08:45 ~ 11:45 | CE<br>13:00 ~ 14:15   | 1D<br>08:45 ~ 11:45 |                      | 1D<br>08:45 ~ 12:00 | 1D<br>13:15 ~ 17:00 |
|                                                                                                                     |                     |                      |                     | PB12<br>18:30 ~ 20:30 |                     |                      |                     |                     |
| 15.5 Group IV crystals and alloys                                                                                   | 2W<br>9:30 ~ 11:45  | 2W<br>13:15 ~ 17:30  | PB6<br>9:30 ~ 11:30 |                       |                     |                      |                     |                     |
| 15.6 Group IV Compound Semiconductors (SiC)                                                                         |                     |                      |                     | PB6<br>16:00 ~ 18:00  | 1A<br>9:00 ~ 12:00  | 1A<br>13:30 ~ 17:30  | 1A<br>9:00 ~ 12:00  |                     |
| 15.7 Fundamentals of epitaxy                                                                                        |                     | PB3<br>13:30 ~ 15:30 |                     | 2W<br>16:45 ~ 18:15   |                     |                      |                     |                     |
| 15.8 Crystal evaluation, impurities and crystal defects                                                             |                     | 1E<br>13:15 ~ 18:00  |                     | PB7<br>16:00 ~ 18:00  |                     |                      |                     |                     |
| 16 Amorphous and Microcrystalline Materials # Code-sharing session 9.4 and 16.2 ( See also "Code sharing session" ) |                     |                      |                     |                       |                     |                      |                     |                     |
| 16.1 Fundamental properties, evaluation, process and devices in disordered materials                                |                     |                      | PB7<br>9:30 ~ 11:30 | 2R<br>13:45 ~ 18:00   |                     |                      |                     |                     |
| 16.2 Energy Harvesting                                                                                              |                     |                      |                     |                       |                     |                      |                     |                     |
| CS4 9.4/16.2 Code-sharing session                                                                                   |                     |                      |                     | PA6<br>13:30 ~ 15:30  |                     |                      |                     |                     |
| 16.3 Bulk, thin-film and other silicon-based solar cells                                                            |                     |                      |                     | 2S<br>13:45 ~ 17:30   | 2S<br>9:00 ~ 12:00  | 2S<br>13:30 ~ 17:15  |                     |                     |
| 17 Nanocarbon Technology                                                                                            |                     |                      |                     |                       |                     |                      |                     |                     |
| 17.1 Growth technology                                                                                              |                     |                      | 2T<br>9:00 ~ 12:15  | 2T<br>13:45 ~ 17:30   |                     | 2U<br>14:00 ~ 16:45  | PA2<br>9:30 ~ 11:30 |                     |
|                                                                                                                     |                     |                      | 2U<br>9:00 ~ 12:15  |                       |                     |                      |                     |                     |
| 17.2 Structure control and process                                                                                  |                     |                      |                     | 2U<br>16:45 ~ 18:00   |                     |                      | PA2<br>9:30 ~ 11:30 | 2T<br>13:00 ~ 14:45 |
|                                                                                                                     |                     |                      |                     | 2T<br>17:30 ~ 19:00   |                     |                      |                     |                     |
| 17.3 Exploration of new functions and evaluation of basic properties                                                |                     | 2U<br>13:45 ~ 16:00  |                     |                       |                     | 2T<br>13:45 ~ 18:30  | PA2<br>9:30 ~ 11:30 |                     |
| 17.4 Device applications                                                                                            |                     |                      |                     | 2U<br>13:45 ~ 16:45   | 2T<br>9:00 ~ 12:15  | 2U<br>13:45 ~ 14:00  |                     |                     |
| 21 Joint Session K                                                                                                  |                     |                      |                     |                       |                     |                      |                     |                     |
| 21.1 Joint Session K                                                                                                |                     | PB6<br>16:00 ~ 18:00 | 1B<br>9:00 ~ 12:00  |                       | 1B<br>9:00 ~ 11:45  | 1B<br>13:15 ~ 18:00  | 1B<br>9:00 ~ 12:15  |                     |
| CS Code-sharing session                                                                                             |                     |                      |                     |                       |                     |                      |                     |                     |
| CS1 3.5/3.14 Code-sharing session                                                                                   |                     |                      |                     | 2G<br>13:45 ~ 17:15   |                     |                      |                     |                     |
| CS2 3.11/13.7 Code-sharing session                                                                                  |                     |                      |                     |                       |                     | 2C<br>13:45 ~ 20:00  |                     |                     |
| CS3 6.6/12.2 Code-sharing session                                                                                   |                     |                      |                     |                       | 2N<br>9:30 ~ 11:45  |                      |                     |                     |
| CS4 9.4/16.2 Code-sharing session                                                                                   |                     |                      |                     | PA6<br>13:30 ~ 15:30  |                     |                      |                     |                     |