

Time table and chairs in the 3rd IFQMS

Wed., Dec. 16th

Start (JST)

| | | | | |
|----------------------|---------------------------------|---|--|---|
| 17:00 - 17:05 (0:05) | Opening Remarks | Yasuhiro Arakawa | Program Director of the MEXT Q-LEAP The University of Tokyo | - |
| | | [Chair] Hidemi Ishiuchi (Sub Program Director of the MEXT Q-LEAP) | | |
| 17:05 - 17:10 (0:05) | Opening Remarks | Susumu Kajiwara | Deputy Director-General, Science and Technology Policy Bureau, Ministry of Education, Culture, Sports, Science and Technology (MEXT) | - |
| | | [Chair] Hidemi Ishiuchi (Sub Program Director of the MEXT Q-LEAP) | | |
| 17:10 - 17:35 (0:25) | Opening Talks | Mutsuko Hatano | Tokyo Institute of Technology National Institutes for Quantum and Radiological Science and Technology | MEXT Quantum Leap Flagship Program (MEXT Q-LEAP) on Development of Innovative Sensor Systems by Highly Sophisticated Control of Solid Quantum Sensors |
| | | [Chair] Yasuhiro Arakawa (Program Director of the MEXT Q-LEAP, The University of Tokyo) | | |
| 17:35 - 18:00 (0:25) | Opening Talks | Yoshinobu Baba | National Institutes for Quantum and Radiological Science and Technology Nagoya University | MEXT Quantum Leap Flagship Program (MEXT Q-LEAP) on Innovations in Medicine and Life Sciences through Development of Quantum Life Technology |
| | | [Chair] Yasuhiro Arakawa (Program Director of the MEXT Q-LEAP, The University of Tokyo) | | |
| 18:00 - 18:30 (0:30) | Session 1-1 Invited Lectures | Fedor Jelezko | Ulm University, Germany | Quantum Sensing with Diamond Spin Qubits |
| | | [Chair] Mutsuko Hatano (Tokyo Institute of Technology) | | |
| 18:30 - 19:00 (0:30) | Session 1-1 Invited Lectures | Johnjoe McFadden | The University of Surrey, UK | Does Life Need Quantum Mechanics? |
| | | [Chair] Yoshinobu Baba (National Institutes for Quantum and Radiological Science and Technology, Nagoya University) | | |
| 19:00 - 19:20 (0:20) | break | | | |
| 19:20 - 19:50 (0:30) | Session 1-2 Invited Lectures | Peter J. Hore | University of Oxford, UK | Avian Magnetoreception: Using Biochemistry to Sense Weak Magnetic Fields |
| | | [Chair] Kiminori Maeda (Saitama University) | | |
| 19:50 - 20:20 (0:30) | Session 1-2 Invited Lectures | Ulrik Lund Andersen | Technical University of Denmark (DTU), Denmark | Enhancing Stimulated Raman Scattering with Nonclassical Light |
| | | [Chair] Shigeki Takeuchi (Kyoto University) | | |
| 20:20 - 20:50 (0:30) | Session 1-2 Invited Lectures | Frank Schlawin | The Hamburg Centre for Ultrafast Imaging Max-Planck Institute for the Structure and Dynamics of Matter, Germany | Nonlinear Spectroscopy with Entangled Photons |
| | | [Chair] Akihito Ishizaki (National Institutes of Natural Sciences) | | |

Thu., Dec. 17th

Start (JST) End (JST)

| | | | | | |
|----------------------|--|--|--|--|---------------|
| 9:00 - 9:30 (0:30) | Session 2 Invited Lectures | Ronald Walsworth | University of Maryland, U.S.A. | Quantum Diamond Sensors | |
| | | [Chair] Mutsuko Hatano (Tokyo Institute of Technology) | | | |
| 9:30 - 10:00 (0:30) | Session 2 Invited Lectures | David Simpson | The University of Melbourne, Australia | Diamond Based Quantum Sensors for Bio-sensing and Imaging | |
| | | [Chair] Mutsuko Hatano (Tokyo Institute of Technology) | | | |
| 10:00 - 10:30 (0:30) | Session 2 Invited Lectures | Luke P. Lee | Harvard University, U.S.A. Sungkyunkwan University, Korea | Ultrafast Quantum Plasmonic PCR for Rapid Detection of COVID-19 | |
| | | [Chair] Yoshie Harada (Osaka University) | | | |
| 10:30 - 10:45 (0:15) | break | | | | |
| 10:45 - 11:10 (0:25) | Session 3 Oral Presentations | Norikazu Mizuochi | Kyoto University | Quantum Sensing Techniques and Extension of Spin Coherence Times of NV Centers Toward Higher Sensitivity | |
| 11:10 - 11:35 (0:25) | | Hirofumi Sugiyama | Yazaki Corporation | Development of Diamond Quantum Sensor for Automobile Battery Monitor | |
| 11:35 - 12:00 (0:25) | | Susumu Takahashi | University of Southern California, U.S.A. | NV-Detected Electron Spin Resonance Spectroscopy at High Magnetic Field | |
| 12:00 - 12:25 (0:25) | | Jean-Philippe Tetienne | The University of Melbourne, Australia | Applications of Quantum Diamond Microscopy in Condensed Matter Physics | |
| | | [Session chairs] Takayuki Iwasaki (Tokyo Institute of Technology) Takeshi Ohshima (National Institutes for Quantum and Radiological Science and Technology (QST)) | | | |
| 12:25 - 15:00 (2:35) | break | | | | |
| 15:00 - 16:20 (1:20) | Session 4-1 Short Presentations Including Group discussion | | Session 4-1-A | Session 4-1-B | Session 4-1-C |
| 16:20 - 16:40 (0:20) | break | | | | |
| 16:40 - 18:00 (1:20) | Session 4-2 Short Presentations Including Group discussion | | Session 4-2-D | Session 4-2-E | Session 4-2-F |
| 18:00 - 18:50 (0:50) | break | | | | |
| 18:50 - 19:15 (0:25) | Session 5 Oral Presentations | Akihito Ishizaki | National Institutes of Natural Sciences | Dynamics in Photosynthetic Systems: Quantum Dissipation, Vibrational Assistance, and Quantum Light Spectroscopy | |
| 19:15 - 19:40 (0:25) | | Yu Mukai | Kyoto University | Photonic Quantum Sensing Using Frequency Entangled Photons - Infrared Quantum Absorption Spectroscopy - | |
| 19:40 - 20:05 (0:25) | | Nobuhiro Yanai | Kyushu University | Materials Chemistry of Triplet Dynamic Nuclear Polarization | |
| 20:05 - 20:30 (0:25) | | Kiminori Maeda | Saitama University | Quantum Control of Radical Pair Reaction by AWG-Based Electron Spin Resonance | |
| | | [Session chairs] Ryosuke Shimizu (The University of Electro-Communications) Makoto Negoro (Osaka University) | | | |
| 20:30 - 20:40 (0:10) | Closing Remarks | Hidemi Ishiuchi | Sub Program Director of the MEXT Q-LEAP | - | |

Fri., Dec. 18th

Start (JST) End (JST)

| | | | |
|----------------------|--|--|---------------|
| 9:00 - 10:20 (1:20) | Session 6-1 Short Presentations Including Group discussion | | Session 6-1-G |
| 10:20 - 10:40 (0:20) | break | | |
| 10:40 - 12:00 (1:20) | Session 6-2 Short Presentations Including Group discussion | | Session 6-2-H |

List of all short presentations

Session 4-1-A

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| [Chair] | Dr. Moriyoshi Haruyama (National Institute of Advanced Industrial Science and Technology (AIST)) |
| [Co-chair] | Dr. Akihiro Kuwahata (The University of Tokyo) |

| No. | Title | Name | Affiliation |
|-----|--|------------------|-------------------------------|
| A-1 | Quantum Sensing: Enlarging Range with Negligible Loss in Sensitivity | David Herbschleb | Kyoto University |
| A-2 | Improvement of the Uniformity of the Magnetic Field in a Magnetic Shield Box Using Steel Tiles | Shixu Jin | The University of Tokyo |
| A-3 | Hydrogenated Diamond Surfaces and their Use in Nitrogen-Vacancy Sensing Applications | Daniel McCloskey | University of Melbourne |
| A-4 | Electron Spin Contrast of High Density and Perfectly Aligned Nitrogen-Vacancy Centers Synthesized by Chemical Vapor Deposition | Kosuke Mizuno | Tokyo Institute of Technology |
| A-5 | Photoelectrical Detection of NV Centers Utilizing Lateral p-i-n Diode | Takuya Murooka | Toyko Institute of Technology |
| A-6 | Evaluation of Magnetic Sensitivity of Photoelectrical Detection of NV Centers in a Lateral Diamond p-i-n Diode | Masafumi Shiigai | Tokyo Institute of Technology |
| A-7 | Temperature Sensing Using Group-IV Color Centers in Diamond | Motoki Nakamura | Tokyo Institute of Technology |

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| <p>[Overseas mentors] Prof. Fedor Jelezko (Ulm University) Dr. David A. Simpson (University of Melbourne)</p> <p>[Domestic mentors] Prof. Mutsuko Hatano (Toyko Institute of Technology) Prof. Norikazu Mizuochi (Kyoto University) Prof. Masaki Sekino (The University of Tokyo)</p> |
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Session 4-1-B

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|------------|--|
| [Chair] | Dr. Fumihiro Kaneda (Tohoku University) |
| [Co-chair] | Dr. Yuta Michimura (The University of Tokyo) |

| No. | Title | Name | Affiliation |
|-----|---|----------------------------|--|
| B-1 | Towards Suspension Noise Measurements of Crystalline Fibres at Cryogenic Temperatures for Torsion Pendulums | Ching Pin Ooi | The University of Tokyo |
| B-2 | Cryogenic Monolithic Torsion Pendulum Made of Silicon for Gravity Gradient Sensing | Satoru Takano | The University of Tokyo |
| B-3 | Quantum Radiation Pressure Fluctuation in a Linear Optical Cavity | Takuya Kawasaki | The University of Tokyo |
| B-4 | High-Q Monolithic Pendulum for Quantum-Limited Sensing | Seth Benjamin Catano-Lopez | Tohoku University |
| B-5 | Angular Dependence of Photon-Pair Generation via Biexciton | Hiroya Seki | The University of Electro-Communications |
| B-6 | Temperature Dependence of Photon-Pair Generation via Biexciton | Donggeun Son | The University of Electro-Communications |

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| <p>[Overseas mentor] Dr. Frank Schlawin (Max-Planck Institute for the Structure and Dynamics of Matter)</p> <p>[Domestic mentors] Prof. Masaki Ando (The University of Tokyo) Prof. Akihito Ishizaki (National Institutes of Natural Sciences) Prof. Ryosuke Shimizu (The University of Electro-Communications) Prof. Satoshi Yamasaki (Toyko Institute of Technology)</p> |
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List of all short presentations

Session 4-1-C

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|------------|--|
| [Chair] | Dr. Yu Mukai (Kyoto University) |
| [Co-chair] | Prof. Nobuyuki Matsuda (Tohoku University) |

| No. | Title | Name | Affiliation |
|-----|--|-------------------|---------------------------------|
| C-1 | Demonstration of Three-Dimensional High-Resolution Quantum Optical Coherence Tomography Using Frequency-Entangled Photon Pairs | Naofumi Abe | Kyoto University |
| C-2 | Direct Observation of Parametric Fluorescence in the Mid-Infrared Region Using an InSb Detector | Masaya Arahata | Kyoto University |
| C-3 | Ultra-Coherent Fundamental Mode Mechanical Resonators Designed Using Topology Optimization | Dennis Hoj | Technical University of Denmark |
| C-4 | Generation of Correlated Photon Pairs from a Silicon Micro-Ring Resonator with a Gain-Switched Laser Diode | Fan Yang | Tohoku University |
| C-5 | Plasmon-Enhanced Polarized Single Photon Source Coupled to an Optical Nanofiber at Room Temperature | Masakazu Sugawara | Tohoku University |

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| [Overseas mentor] Prof. Ulrik Lund Andersen (Technical University of Denmark) |
| [Domestic mentors] Prof. Shigeki Takeuchi (Kyoto University) Prof. Keiichi Edamatsu (Tohoku University) Prof. Kenichi Nakagawa (The University of Electro-Communications) Dr. Kosuke Shibata (Gakushuin University) |

Session 4-2-D

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|------------|--|
| [Chair] | Dr. Akihiro Kuwahata (The University of Tokyo) |
| [Co-chair] | Dr. Moriyoshi Haruyama (National Institute of Advanced Industrial Science and Technology (AIST)) |

| No. | Title | Name | Affiliation |
|-----|---|--------------------|---|
| D-1 | CVD Growth Parameter Dependence of Aligned Dense Nitrogen Vacancy Centers for Magnetometry | Moriyoshi Haruyama | National Institute of Advanced Industrial Science and Technology (AIST) |
| D-2 | Nitrogen Concentration Control in Diamond Growth for NV Center Formation | Tokuyuki Teraji | National Institute for Materials Science (NIMS) |
| D-3 | Optimal Amount of Vacancy in Diamond for Negative-Charge Stability of NV Centers at Various Nitrogen Concentration | Chikara Shinei | National Institute for Materials Science (NIMS) |
| D-4 | Performance of Implanted Nitrogen Vacancy Centers as a Figure of Merit for the Quality of Diamond in Quantum Applications | Johannes Lang | Ulm University |
| D-5 | Effect of Mis-Orientation Angle for CVD Grown Perfectly Aligned NV Center on (111) Diamond Substrate | Takashi Yamamoto | Tokyo Institute of Technology |
| D-6 | Evaluation of NV Centers in Bulk Diamond Formed by Electron Beam Irradiation | Shuya Ishii | National Institutes for Quantum and Radiological Science and Technology (QST) |
| D-7 | Fabrication of SiV Centers Inside Nanodiamonds Using Ion Implantation | Konosuke Shimazaki | Kyoto University |

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| [Overseas mentors] Prof. Fedor Jelezko (Ulm University) Dr. David A. Simpson (University of Melbourne) |
| [Domestic mentors] Prof. Takayuki Iwasaki (Tokyo Institute of Technology) Dr. Takeshi Ohshima (National Institutes for Quantum and Radiological Science and Technology (QST)) Dr. Hiromitsu Kato (National Institute of Advanced Industrial Science and Technology (AIST)) |

List of all short presentations

Session 4-2-E

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|------------|---|
| [Chair] | Dr. Naota Sekiguchi (Gakushuin University) |
| [Co-chair] | Dr. Yoshitaka Miura (National Institute of Advanced Industrial Science and Technology (AIST)) |

| No. | Title | Name | Affiliation |
|-----|--|-----------------|---|
| E-1 | Spin Squeezing Induced by Consecutive Imaging of a Bose-Einstein Condensate | Naota Sekiguchi | Gakushuin University |
| E-2 | Development of Photon Number Resolving Detector by Small Size Ti/Au-TES | Yoshitaka Miura | National Institute of Advanced Industrial Science and Technology (AIST) |
| E-3 | Nonlocal Variable-Strength Measurements of N Qubits Using GHZ-like Entanglement | Pierre Vidil | Tohoku University |
| E-4 | Development of Single-Photon Detectors with Spatial Resolution | Kemeng Chen | The University of Electro-Communications |
| E-5 | Probing excited-state dynamics with quantum entangled photons: Two-photon coincidence counting measurement with tripartite entangled photons | Yuta Fujihashi | National Institutes of Natural Sciences |

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| [Overseas mentors] | Prof. Ulrik Lund Andersen (Technical University of Denmark) Dr. Frank Schlawin (Max-Planck Institute for the Structure and Dynamics of Matter) |
| [Domestic mentors] | Prof. Keiichi Edamatsu (Tohoku University) Prof. Takuya Hirano (Gakushuin University) Prof. Akihito Ishizaki (National Institutes of Natural Sciences) |

Session 4-2-F

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| [Chair] | Dr. Ryuji Igarashi (National Institutes for Quantum and Radiological Science and Technology (QST)) |
| [Co-chair] | Dr. Lewis M Antill (JST PRESTO, Saitama University) |

| No. | Title | Name | Affiliation |
|-----|---|--------------------------|-----------------------------|
| F-1 | Ab-Initio Quantum Chemical Theory of Long-Distance Electron Tunneling in Proteins | Hiroataka Kitoh-Nishioka | JST PRESTO, Kobe University |
| F-2 | X-Ray Induced Cell Cycle Arrest and Raises the Cellular Temperature | Tomokazu Ihara | Ibaraki University |
| F-3 | ¹³ C Pulsed Dynamic Nuclear Polarization Using Pentacene or NV- Centers in Diamond at Room Temperature | Koichiro Miyanishi | Osaka University |
| F-4 | High Efficiency Rf-to-Light Conversion through Improved Electromechanical Coupling for NMR Detection | Yusuke Tominaga | Kyoto University |
| F-5 | Magnetic Characterisation of Cuticulosomes in the Inner Ear Hair Cells of Pigeons | Robert de Gille | University of Melbourne |
| F-6 | A Simple Deaggregation Method Producing Single-Digit Detonation Nanodiamonds | Frederick Tze Kit So | Kyoto University |

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| [Overseas mentor] | Prof. Johnjo McFadden (University of Surrey) |
| [Domestic mentors] | Prof. Yoshinobu Baba (National Institutes for Quantum and Radiological Science and Technology (QST), Nagoya University) Prof. Tetsuya Suhara (National Institutes for Quantum and Radiological Science and Technology (QST)) Prof. Makoto Negoro (Osaka University) |

List of all short presentations

Session 6-1-G

| | |
|------------|--|
| [Chair] | Dr. Hiroki Morishita (Kyoto University) |
| [Co-chair] | Dr. Keigo Arai (Toyko Institute of Technology) |

| No. | Title | Name | Affiliation |
|-----|--|-------------------|--|
| G-1 | SABRE-Enhanced NMR Spectroscopy using Quantum Defects in Diamond | Nithya Arunkumar | Harvard University, University of Maryland |
| G-2 | Label-Free Phase Change Detection of Lipid Bilayers Using Nanoscale Diamond Magnetometry | Hitoshi Ishiwata | JST PRESTO, Tokyo Institute of Technology |
| G-3 | Biomagnetic Field Measurement System Using NV Centers in Diamond | Daisuke Nishitani | Tokyo Institute of Technology |
| G-4 | Wide Field Detection of Inverse Magnetostrictive Effect Using NV Centers in Diamond Towards Biological Mass Microscopy | Ryota Kitagawa | Tokyo Institute of Technology |
| G-5 | Brain Mapping of Visual Cortex with Quantum Magnetoencephalography Devices | Zonghao Xin | The University of Tokyo |
| G-6 | Development of Bio-Nanoprobe for NVC-SPM | Takeshi Nakayama | Hitachi, Ltd. |

[Overseas mentors]
 Prof. Ronald Walsworth (University of Maryland)
 Prof. Susumu Takahashi (University of Southern California)
 [Domestic mentors]
 Prof. Takayuki Iwasaki (Toyko Institute of Technology)
 Prof. Satoshi Yamasaki (Toyko Institute of Technology)
 Dr. Tokuyuki Teraji (National Institute for Materials Science (NIMS))

Session 6-2-H

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| [Chair] | Dr. Keigo Arai (Toyko Institute of Technology) |
| [Co-chair] | Dr. Hiroki Morishita (Kyoto University) |

| No. | Title | Name | Affiliation |
|-----|---|-------------------|---|
| H-1 | Optical Properties of Silicon Vacancy in SiC under Simultaneous Optical and Electrical Excitation | Yuichi Yamazaki | National Institutes for Quantum and Radiological Science and Technology (QST) |
| H-2 | Electrical Detection of Magnetic Resonance of NV Centers in Diamond Around Zero Bias Voltage | Hiroki Morishita | Kyoto University |
| H-3 | Improvement of Charge Stability and Spin-Coherence Properties of Near-Surface NV Centers in Diamond | Tetsuri Nishikawa | Kyoto University |
| H-4 | Canceling Environmental Magnetic Noise by Gradiometer Using NV Centers in Diamond Pair | Katsumi Suzuki | Tokyo Institute of Technology |
| H-5 | Crossed Two-Layer Coplanar-waveguide Circuit for Extending Spin Dephasing Time T_2^* of Ensemble NV Centers in a Bulk Diamond | Yuki Kamitsubo | Tokyo Institute of Technology |
| H-6 | Optical Properties of Lead Vacancy Centers in Diamond | Peng Wang | Tokyo Institute of Technology |
| H-7 | Numerical Optimization of Grating Coupler on Bulk Diamond with Nitrogen-Vacancy Center | Tetsu Takahashi | Toyohashi University of Technology |

[Overseas mentors]
 Prof. Ronald Walsworth (University of Maryland)
 Prof. Susumu Takahashi (University of Southern California)
 [Domestic mentors]
 Prof. Mutsuko Hatano (Toyko Institute of Technology)
 Prof. Takashi Yatsui (Toyohashi University of Technology)
 Dr. Shinobu Onoda (National Institutes for Quantum and Radiological Science and Technology (QST))

Program with global timetable

Wed., Dec. 16th

| Japan (JST) | Melbourne (AEDT) | Germany, Denmark (CET) | UK (GMT) | U.S.A. (EST) | U.S.A. (PST) | | | |
|----------------------|------------------|------------------------|---------------|--------------|--------------|---------------------------------|---------------------|--|
| 17:00 - 17:05 (0:05) | 19:00 - 19:05 | 9:00 - 9:05 | 8:00 - 8:05 | 3:00 - 3:05 | 0:00 - 0:05 | Opening Remarks | Yasuhiko Arakawa | Program Director of the MEXT Q-LEAP The University of Tokyo |
| 17:05 - 17:10 (0:05) | 19:05 - 19:10 | 9:05 - 9:10 | 8:05 - 8:10 | 3:05 - 3:10 | 0:05 - 0:10 | | Susumu Kajiwara | Deputy Director-General, Science and Technology Policy Bureau, Ministry of Education, Culture, Sports, Science and Technology (MEXT) |
| 17:10 - 17:35 (0:25) | 19:10 - 19:35 | 9:10 - 9:35 | 8:10 - 8:35 | 3:10 - 3:35 | 0:10 - 0:35 | Opening Talks | Mutsuko Hatano | Tokyo Institute of Technology National Institutes for Quantum and Radiological Science and Technology |
| 17:35 - 18:00 (0:25) | 19:35 - 20:00 | 9:35 - 10:00 | 8:35 - 9:00 | 3:35 - 4:00 | 0:35 - 1:00 | | Yoshinobu Baba | National Institutes for Quantum and Radiological Science and Technology Nagoya University |
| 18:00 - 18:30 (0:30) | 20:00 - 20:30 | 10:00 - 10:30 | 9:00 - 9:30 | 4:00 - 4:30 | 1:00 - 1:30 | Session 1-1 Invited Lectures | Fedor Jelezko | Ulm University, Germany |
| 18:30 - 19:00 (0:30) | 20:30 - 21:00 | 10:30 - 11:00 | 9:30 - 10:00 | 4:30 - 5:00 | 1:30 - 2:00 | | Johnjoe McFadden | The University of Surrey, UK |
| 19:00 - 19:20 (0:20) | 21:00 - 21:20 | 11:00 - 11:20 | 10:00 - 10:20 | 5:00 - 5:20 | 2:00 - 2:20 | break | | |
| 19:20 - 19:50 (0:30) | 21:20 - 21:50 | 11:20 - 11:50 | 10:20 - 10:50 | 5:20 - 5:50 | 2:20 - 2:50 | Session 1-2 Invited Lectures | Peter J. Hore | University of Oxford, UK |
| 19:50 - 20:20 (0:30) | 21:50 - 22:20 | 11:50 - 12:20 | 10:50 - 11:20 | 5:50 - 6:20 | 2:50 - 3:20 | | Ulrik Lund Andersen | Technical University of Denmark (DTU), Denmark |
| 20:20 - 20:50 (0:30) | 22:20 - 22:50 | 12:20 - 12:50 | 11:20 - 11:50 | 6:20 - 6:50 | 3:20 - 3:50 | | Frank Schlawin | The Hamburg Centre for Ultrafast Imaging Max-Planck Institute for the Structure and Dynamics of Matter, Germany |

Thu., Dec. 17th

| Japan (JST) | Melbourne (AEDT) | Germany, Denmark (CET) | UK (GMT) | U.S.A. (EST) | U.S.A. (PST) | | | | |
|----------------------|------------------|------------------------|---------------|---------------|---------------|--|------------------------|--|---|
| 9:00 - 9:30 (0:30) | 11:00 - 11:30 | 1:00 - 1:30 | 0:00 - 0:30 | 19:00 - 19:30 | 16:00 - 16:30 | Session 2 Invited Lectures | Ronald Walsworth | University of Maryland, U.S.A. | |
| 9:30 - 10:00 (0:30) | 11:30 - 12:00 | 1:30 - 2:00 | 0:30 - 1:00 | 19:30 - 20:00 | 16:30 - 17:00 | | David Simpson | The University of Melbourne, Australia | |
| 10:00 - 10:30 (0:30) | 12:00 - 12:30 | 2:00 - 2:30 | 1:00 - 1:30 | 20:00 - 20:30 | 17:00 - 17:30 | | Luke P. Lee | Harvard University, U.S.A. Sungkyunkwan University, Korea | |
| 10:30 - 10:45 (0:15) | 12:30 - 12:45 | 2:30 - 2:45 | 1:30 - 1:45 | 20:30 - 20:45 | 17:30 - 17:45 | break | | | |
| 10:45 - 11:10 (0:25) | 12:45 - 13:10 | 2:45 - 3:10 | 1:45 - 2:10 | 20:45 - 21:10 | 17:45 - 18:10 | Session 3 Oral Presentations | Norikazu Mizuochi | Kyoto University | |
| 11:10 - 11:35 (0:25) | 13:10 - 13:35 | 3:10 - 3:35 | 2:10 - 2:35 | 21:10 - 21:35 | 18:10 - 18:35 | | Hirohisa Sugiyama | Yazaki Corporation | |
| 11:35 - 12:00 (0:25) | 13:35 - 14:00 | 3:35 - 4:00 | 2:35 - 3:00 | 21:35 - 22:00 | 18:35 - 19:00 | | Susumu Takahashi | University of Southern California, U.S.A. | |
| 12:00 - 12:25 (0:25) | 14:00 - 14:25 | 4:00 - 4:25 | 3:00 - 3:25 | 22:00 - 22:25 | 19:00 - 19:25 | | Jean-Philippe Tetienne | The University of Melbourne, Australia | |
| 12:25 - 15:00 (2:35) | 14:25 - 17:00 | 4:25 - 7:00 | 3:25 - 6:00 | 22:25 - 1:00 | 19:25 - 22:00 | break | | | |
| 15:00 - 16:20 (1:20) | 17:00 - 18:20 | 7:00 - 8:20 | 6:00 - 7:20 | 1:00 - 2:20 | 22:00 - 23:20 | Session 4-1 Short Presentations Including Group discussion | Session 4-1-A | Session 4-1-B | Session 4-1-C |
| | | | | | | | Group A | Group B | Group C |
| 16:20 - 16:40 (0:20) | 18:20 - 18:40 | 8:20 - 8:40 | 7:20 - 7:40 | 2:20 - 2:40 | 23:20 - 23:40 | break | | | |
| 16:40 - 18:00 (1:20) | 18:40 - 20:00 | 8:40 - 10:00 | 7:40 - 9:00 | 2:40 - 4:00 | 23:40 - 1:00 | Session 4-2 Short Presentations Including Group discussion | Session 4-2-D | Session 4-2-E | Session 4-2-F |
| | | | | | | | Group D | Group E | Group F |
| 18:00 - 18:50 (0:50) | 20:00 - 20:50 | 10:00 - 10:50 | 9:00 - 9:50 | 4:00 - 4:50 | 1:00 - 1:50 | break | | | |
| 18:50 - 19:15 (0:25) | 20:50 - 21:15 | 10:50 - 11:15 | 9:50 - 10:15 | 4:50 - 5:15 | 1:50 - 2:15 | Session 5 Oral Presentations | Akihito Ishizaki | National Institutes of Natural Sciences | |
| 19:15 - 19:40 (0:25) | 21:15 - 21:40 | 11:15 - 11:40 | 10:15 - 10:40 | 5:15 - 5:40 | 2:15 - 2:40 | | Yu Mukai | Kyoto University | |
| 19:40 - 20:05 (0:25) | 21:40 - 22:05 | 11:40 - 12:05 | 10:40 - 11:05 | 5:40 - 6:05 | 2:40 - 3:05 | | Nobuhiro Yanai | Kyushu University | |
| 20:05 - 20:30 (0:25) | 22:05 - 22:30 | 12:05 - 12:30 | 11:05 - 11:30 | 6:05 - 6:30 | 3:05 - 3:30 | | Kiminori Maeda | Saitama University | |
| 20:30 - 20:40 (0:10) | 22:30 - 22:40 | 12:30 - 12:40 | 11:30 - 11:40 | 6:30 - 6:40 | 3:30 - 3:40 | | Closing Remarks | Hidemi Ishiuchi | Sub Program Director of the MEXT Q-LEAP |

Fri., Dec. 18th

| Japan (JST) | Melbourne (AEDT) | Germany, Denmark (CET) | UK (GMT) | U.S.A. (EST) | U.S.A. (PST) | | | |
|----------------------|------------------|------------------------|-------------|---------------|---------------|--|---------------|--|
| 9:00 - 10:20 (1:20) | 11:00 - 12:20 | 1:00 - 2:20 | 0:00 - 1:20 | 19:00 - 20:20 | 16:00 - 17:20 | Session 6-1 Short Presentations Including Group discussion | Session 6-1-G | |
| | | | | | | | Group G | |
| 10:20 - 10:40 (0:20) | 12:20 - 12:40 | 2:20 - 2:40 | 1:20 - 1:40 | 20:20 - 20:40 | 17:20 - 17:40 | break | | |
| 10:40 - 12:00 (1:20) | 12:40 - 14:00 | 2:40 - 4:00 | 1:40 - 3:00 | 20:40 - 22:00 | 17:40 - 19:00 | Session 6-2 Short Presentations Including Group discussion | Session 6-2-H | |
| | | | | | | | Group H | |