

2015 Japan-Korea Bilateral Symposium on Quantum Beam Science

2015 2nd Workshop of Collaboration Laboratory between SANKEN, Osaka University—the Advanced Radiation Technology Institute, Korea Atomic Energy Research Institute

February 25, Wednesday, 2015, 0900-2030

Seminar room, Research Laboratory for Quantum Beam Science, SANKEN

Chairperson: Tetsuro Majima

900-930 Dr. Tetsuro Majima, Professor, SANKEN, “Opening address including introduction of SANKEN and KAERI members“

930-1000 Dr. Yoshihide Honda, Associate Professor, SANKEN, "Introduction of Research Laboratory of Quantum Beam Science, SANKEN"

1000-1045 Dr. Yujong Kim, Principal Researcher, Radiation Equipment Research Division, KAERI, "Development of S-band and X-band RF Electron Linacs for Medical and Industrial Applications"

Chairperson: Yoshihide Honda,

1045-1115 Dr. Goro Isoyama, Professor, SANKEN, "Electron linear accelerators for higher performance and stability"

1115-1145 Dr. Kyuha Jang, Senior Researcher, WCI center for Quantum-Beam-based Radiation Research, KAERI, "Development of KAERI UED & Ultrafast Accelerators"

1145-1300 Luncheon meeting

Chairperson: Goro Isoyama

1300-1330 Dr. Yoichi Yoshida, Professor, SANKEN, "Femtosecond/attosecond pulse radiolysis"

1330-1350 Dr. In Hyung Baek, Research Fellow, WCI center for Quantum-Beam-based Radiation Research, KAERI, "Ultrafast Laser for RF Photogun, Laser-based THz Generation & Applications"

1350-1420 Dr. Jinfuen Yang, Associate Professor, SANKEN, "RF gun based ultrafast electron microscopy and diffraction"

1420-1440 Dr. Moonsik Chae, Postdoctoral Researcher, WCI center for Quantum-Beam-based Radiation Research, KAERI, "RF Photogun Training & Beam Optimization"

1440-1455 Break

Chairperson: Yoichi Yoshida

1455-1525 Dr. Keigo Kawase, Assistant Professor, SANKEN, "Introduction of the L-band linac for pulse radiolysis experiments"

1525-1540 Ms. Sunjeong Park, Research Assistant, WCI center for Quantum-Beam-based Radiation Research, KAERI, "Deflecting Cavity to Measure Femtosecond Bunch Length"

1540-1610 Dr. Mamoru Fujitsuka, Associate Professor, SANKEN, "Radiation Chemistry of Nanomaterials"

1610-1625 Mr. Key Young Oang, Ph.D. candidate, Center for Time-Resolved Diffraction, Graduate School of Nanoscience & Technology (WCU), KAIST, "Femtosecond Electron Diffraction Using Near-relativistic Electrons"

1625-1640 Break

Chairperson: Mamoru Fujitsuka

1640-1710 Dr. Yusa Muroya, Associate Professor, SANKEN, "Radiation chemistry study on high temperature/ pressure and supercritical solutions"

1710-1740 Dr. Oh-Hoon Kwon, Assistant Professor, Department of Chemistry, School of Natural Science, UNIST, "Principle and Demonstration of Ultrafast Electron Microscopy"

1740-1810 Dr. Jungkweon Choi, Guest Researcher, Nanotechnology Center, SANKEN, (Research fellow, Institute for Basic Science (IBS), KAIST), "Pulse Radiolysis of Biomolecules"

1810-2130 Open discussion

2130 Prof. Tetsuro Majima, Closing remarks

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