

Program

1st day (Monday, Nov. 14th, 2022)

Opening

- 14 : 00 Opening Remarks, Toshio Hirano (President, QST)
- 14 : 05 Opening Remarks, Masaki Takata (President, PhoSIC)
- 14 : 10 Opening Remarks, Hideo Ohno (President, Tohoku University)
- 14 : 15 Greetings, TBD (MEXT)
- 14 : 20 Photo-session

Session 1. Keynote speech (Chair: Wataru Utsumi, QST)

- 14:40 “A Perspective on Synchrotron Radiation Facilities and Sciences” Nobuhiro Kosugi (KEK)
- 15:30 “Overview of the synchrotron light source in Taiwan- from accelerator aspect” Gwo-Huei Luo (NSRRC, Taiwan)

Session 2. Outline of NanoTerasu (Chair: Masamitsu Takahashi, QST)

- 16:25 “Overview of NanoTerasu” Wataru Utsumi (QST)
- 16:55 “Overview of accelerator of NanoTerasu” Nobuyuki Nishimori (QST)

Session 3. Posters & Exhibition (online) (Chair: Masataka Kado, QST)

- 18:30~20:30
 - poster presentation on line
 - exhibition (video of NanoTerasu)

2nd Day (Tuesday, Nov. 15th, 2022)

Session 4. RIXS beamline and applications (Chair: Masaki Fujita, Tohoku Univ.)

- 9:30 “Resonant Inelastic X-ray Scattering at the SIX Beamline of NSLS II: An update on the beamline status and scientific achievements” Valentina Bisogni (BNL, USA)
- 10:00 “Ultrahigh Resolution RIXS Facility at NanoTerasu” Jun Miyawaki (QST)
- 10:15 “Dynamics of spin, orbital and charge excitations in strongly correlated materials revealed by high-resolution resonant inelastic X-ray scattering” Atsushi Hariki (Osaka Metropolitan Univ.)
- 10:30 “Collective excitations from exotic quantum states in correlated materials” Hakuto Suzuki (Tohoku Univ.)

Session 5. ARPES beamline and applications (Chair: Hideaki Iwasawa, QST)

- 11:00 “Novel sample environments for NanoARPES” Eli Rotenberg (LBL, USA)
- 11:30 “Nano-ARPES beamline at NanoTerasu” Koji Horiba (QST, Japan)
- 11:45 “Micro-ARPES study of exotic topological materials” Takafumi Sato (Tohoku Univ.)
- 12:00 “Spin-resolved photoemission and its future prospect” Taichi Okuda (Hiroshima Univ.)

Session 6. XMCD beamline and applications (Chair: Tetsuro Ueno, QST)

- 14:00 “Scientific opportunities with advanced magnetic X-ray spectromicroscopies” Peter Fischer (LBL, USA)
- 14:30 “Microscopic magnetospectroscopy beamline at 3-GeV next-generation synchrotron radiation facility, NanoTerasu” Yoshiyuki Ohtsubo (QST)
- 14:45 “XMCD studies of 2D Material/Magnetic Material Heterostructures for Next Generation Spintronics” Seiji Sakai (QST)
- 15:00 “Time-resolved XMCD as a probe of spin dynamics in magnetic multilayers” Adriana I. Figueroa (The University of Barcelona, Spain)

Session 7. Imaging at the Coalition Beamlines (Chair: Yukio Takahashi, Tohoku Univ.,

Yoshio Watanabe, PhoSIC)

- 15:30 TBD, Marco Stampanoni (PSI, Switzerland)
- 16:00 “Overview of 7 Coalition-beamlines” Tetsuya Nakamura (Tohoku Univ.)
- 16:20 “Recent Advances and Future Potential of Synchrotron X-ray Tomography with Millisecond-Order Temporal Resolution” Wataru Yashiro (Tohoku Univ.)
- 16:35 “Visualization of nanoscale structures and chemical states by coherent X-ray diffraction imaging” Yukio Takahashi (Tohoku Univ.)

Closing

- 16:50 Closing Remarks, Hisayoshi Itoh (Managing Director, QST)