

SRI2021



Program overview

Status 26 March 2022

Opening Session

01:00 pm Opening Session

Plenary talks 1 (Chair: Th. Tschentscher)

01:45 pm	Hard X-ray bioimaging at the nanoscale	<i>A. Pacareanu</i>
02:15 pm	Time resolved scattering enables development of next generation drug delivery systems and diagnostics	<i>BOYD, Ben J. (University of Copenhagen)</i>

PS1.1: Spectroscopies and Time Resolved Spectroscopies (Chair: H. Bluhm, Z. Novotny)

03:00 pm	Resonant Inelastic X-ray Scattering at the SIX Beamline of NSLS II: An update on the beamline status and its performances	<i>BISOGLI, Valentina (Brookhaven National Laboratory)</i>
03:20 pm	Compatibility of quantitative X-ray spectroscopy with continuous distribution models of water at ambient conditions	<i>FÖHLISCH, Alexander (HZB)</i>
03:40 pm	IRIXS - A high-resolution tender RIXS instrument at Petra III	<i>GRETARSSON, Hlynur, DESY</i>
04:00 pm	Non-resonant IXS at ID20 of ESRF - DT imaging for cultural heritage and high pressure applications	<i>SAHLE, Christoph (ESRF)</i>
04:20 pm	The meV-resolved Inelastic X-ray Scattering Spectrometer at NSLS-II: Performance and Science Capabilities Update*	<i>CAI, Yong (NSLS-II, Brookhaven National Laboratory)</i>
04:35 pm	NIS and operando NFS investigations of 57Fe-porphyrin based hydrogen evolution reaction model catalysts	<i>HEPPE, Nils</i>
04:50 pm	Studying energy materials under operating conditions by soft x-ray spectroscopy: The new OÆSE operando infrastructure in EMIL@BESSY II	<i>GARCIA-DIEZ, Raul</i>

PS2.1: Facility updates and new facilities: Synchrotron Radiation (Chair: Shen Qun, L. Chapon)

03:00 pm	A combination of soft X-ray and laser light sources offer 3D high content information on the native state of the cellular environment	<i>OKOLO, Chidinma (Diamond Light Source)</i>
03:20 pm	The MANACA beamline at Sirius, structural biology at 4th Generation	<i>ZERI, Ana Carolina (Brazilian Synchrotron Light Laboratory)</i>
03:40 pm	Towards a Lightsource for the African Continent	<i>NGABONZIZA, Prosper</i>
04:00 pm	The upgrade of ID29 in a Serial Macromolecular Crystallography	<i>DE SANCTIS, Daniele (ESRF - The European Synchrotron)</i>
04:20 pm	BioMAX, a macromolecular crystallography facility at MAX IV	<i>NAN, Jie (MAX IV)</i>
04:35 pm	BioSAXS: High flux SAXS beamline dedicated to solution scattering at the Australian Synchrotron	<i>KAMMA-LORGER, Christina (Australian Synchrotron - ANSTO)</i>
04:50 pm	Steady-State Microbunching at the Metrology Light Source	<i>FEIKES, Jörg (Helmholtz Zentrum Berlin)</i>

PS3.1: X-ray optics (Chair: S. Bajt, Chr. David)

03:00 pm	Diamond-II: Opportunities and Challenges for Beamline Optics	<i>ALIANELLI, Lucia (Diamond Light Source)</i>
03:20 pm	ESRF Double Crystal Monochromator – Design, Working Modes & First Commissioning Results	<i>DUCOTTE, Ludovic (ESRF)</i> <i>ROTH, Thomas (ESRF)</i>
03:40 pm	High-sensitive X-ray polarization microscopy	<i>MARX-GLOWNA, Berit</i>
03:55 pm	Bimorph mirrors at synchrotron beamlines: from walking to flying	<i>SUTTER, John (Diamond Light Source Ltd)</i>
04:10 pm	Development of hard X-ray sub-5-nm focusing system with an adaptive multilayer focusing mirror	<i>INOUE, Takato (Osaka University)</i>

- 04:25 pm Control of adaptive X-ray mirrors using data-driven models *WOJDYLA, Antoine (Lawrence Berkeley National Laboratory)*
- 04:40 pm Review of x-ray adaptive optics for diffraction-limited beamlines *WOJDYLA, Antoine (Lawrence Berkeley National Laboratory)*

PS4.1: Imaging, Coherence and Scanning (Chair: M. Sprung, Cheng-Maw Cheng)

- 03:00 pm Development and application of spectroscopic ptychography in the tender and hard X-ray regions at SPring-8 *TAKAHASHI, Yukio (Tohoku University)*
- 03:20 pm Hard X-ray kHz Ptychography at Diamond *BATEY, Darren (Diamond Light Source)*
- 03:40 pm Ptychographic X-ray laminography: Novel instrumentation for applications from chip inspection to magnetic systems *HOLLER, Mirko (Paul Scherrer Institut)*
- 04:00 pm Multi-beam X-ray ptychography using coded probes *LYUBOMIRSKIY, Mikhail (DESY)*
- 04:15 pm Fourier-Ptychographic X-ray scattering microscopy with a CRL objective lens *CARLSEN, Mads (DTU)*
- 04:30 pm Spectroscopic micro-imaging with off-axis zone plates *SCHUNCK, Jan Oliver (DESY)*
- 04:45 pm Method development in X-ray coherent diffraction imaging to increase imaging speed *YAO, Yudong (Argonne National Laboratory)*

PS5.1: Crystallography and Structural Biology (Chair: A. Round, J.Hakanpää)

- 03:00 pm X-ray screening identifies active site inhibitors of SARS-CoV-2 main protease *MEENTS, Alke (DESY)*
- 03:20 pm High throughput crystal screening during the COVID-19 pandemic: The impact of Diamond Light Source *WALSH, Martin (Diamond Light Source)*
- 03:40 pm The SLS FFCS Pipeline: HTP Crystallographic Screening for Fragment-Based Drug Discovery *SHARPE, May (Paul Scherrer Institute)*
- 04:00 pm Anomalous small-angle X-ray scattering on biological macromolecules at the P12 beamline of EMBL-Hamburg *GRUZINOV, Andrey (EMBL Hamburg)*
- 04:30 pm Serial time-resolved crystallography at the T-REXX endstation (PETRA-III) *VON STETTEN, David (EMBL Hamburg)*
- 04:45 pm Intracellular protein crystallization for serial X-ray diffraction data collection *REDECKE, Lars (University of Lübeck and DESY)*

PS6.1: Beamline innovation (Chair: J. Deng, A. Walter)

- 03:00 pm Ultra-precision mechanics for fourth-generation sources. *DOEHRMANN, Ralph (DESY)*
- 03:40 pm The recent upgrade of the RIXS spectrometer at the ID32 beamline of the ESRF *KUMMER, Kurt (ESRF)*
- 03:55 pm Medium Resolution Monochromators and Fast Detectors for 72.9keV X-rays applied for Nuclear Resonance Scattering of Synchrotron Radiation at the 193Ir Resonance *LEUPOLD, Olaf (DESY)*
- 04:10 pm Time-delay compensating monochromator beamline at FLASH for spectroscopy at the Fourier limit *PLOENJES-PALM, Elke (DESY)*
BRENNER, Günter (DESY)
RUIZ LOPEZ, Mabel (DESY)
- 04:25 pm A Review on the High-Dynamic Double-Crystal Monochromators for Sirius/LNLS *GERALDES, Renan Ramalho (BRAZILIAN SYNCHROTRON LIGHT LAB - LNLS/CNPEM)*
- 04:40 pm The ALBA high-stability monochromator for VUV and soft X-rays *CRISOL, Alejandro (Alba Synchrotron Light Facility)*

PS7.1: Beam and optics diagnostics (Chair: K. Appel, K. Tiedtke)

- 03:00 pm An all-carbon transmissive X-ray pixel detector for beam diagnostics *BLOOMER, Chris (University of Warwick, UK; Diamond Light Source Ltd, UK)*
- 03:20 pm Pump-probe capabilities of SPB/SFX at European XFEL *SATO, Tokushi (European XFEL)*

03:40 pm	Direct pulse duration measurements for hard x-ray lasers via intensity autocorrelation techniques	OSAKA, Taito (RIKEN SPring-8 Center)
03:55 pm	Gas attenuator bleaching by soft X-ray FEL pulses at MHz repetition rates	GRUENERT, Jan (European XFEL)
04:10 pm	A comparison between single crystal diamond and SiC X-ray beam position monitors	HOUGHTON, Claire (Diamond Light Source)
04:25 pm	Ultra-thin (<250 nm) Silicon Carbide free-standing membranes as beam intensity and position monitors for soft x-ray beamlines	CAMARDA, Massimo (SenSiC GmbH)
04:40 pm	Nearfield Speckle-Tracking: Reference-Free Phase Retrieval at MHz Repetition Rate XFEL Sources	GUEST, Trey (Eur.GPEX)

S9.1: Novel lattices and ID's (Chair: V. Grattoni, M. Tischer)

3:00 PM	Development challenges of cryogenic permanent magnet undulators: Lessons Learned from the development to the commissioning	HUANG, JuiChe (National Synchrotron radiation research center)
03:20 pm	ESRF-EBS commissioning and first operation experience	WHITE, Simon (ESRF)
03:40 pm	Development of a Very-Short-Period Undulator Employing a Newly Devised Magnetic Circuit	YAMAMOTO, Shigeru (Institute of Materials Structure Science, High Energy Accelerator Research Organization)
03:55 pm	Using Artificial Immune Systems to Sort and Shim Insertion Devices at Diamond Light Source	Rial, Edward (Rosalind Franklin Institute)
04:10 pm	Phase-Shimming of the BESSY II in-Vacuum APPLE II Undulator IVUE32 with Transverse Slides	BAHRDT, Johannes
04:25 pm	A pre-series prototype for the superconducting undulator afterburner for the European XFEL	CASALBUONI, Sara (European XFEL)
04:40 pm	Recent developments to the Radia magnetostatics code for improved performance and interface	HALL, Chris (RadiaSoft LLC)

S16.1 New opportunities in high-pressure research (Chair: H.-P. Liermann, Z. Konopkova)

03:00 pm	Shining a light on planetary processes: Synchrotron studies of meteorites and planetary analogues at the Australian Synchrotron	BRAND, Helen (ANSTO Australian Synchrotron)
03:20 pm	High flux nano-XRD/XRF/XRI beamline for science under extreme conditions	MEZOUAR, Mohamed (ESRF)
03:40 pm	Response of Fixed Targets to XFEL Radiation and Applications to Pressurized Samples	MCWILLIAMS, Stewart (University of Edinburgh)
04:00 pm	High-temperature bulk modulus of H ₂ O ice measured by time-resolved x-ray diffraction in a Resistively-Heated dynamic Diamond Anvil Cell (RHdDAC)	SAN JOSE MENDEZ, Alba (DESY)
04:15 pm	New scientific opportunities for high pressure research exploiting MHz diffraction in diamond anvil cells at the HED instrument at European XFEL.	STROHM, Cornelius (DESY)
04:30 pm	In situ X-ray measurements on mm-sized samples at high pressures and temperatures in the Large Volume Press at P61B, PETRA III	FARLA, Robert (DESY)
04:45 pm	X-ray emission scanning imaging setup to study electronic structure of iron bearing compounds in-situ at conditions of the Earth's mantle	ALBERS, Christian

Poster Sessions

05:15 pm	Poster Session 1.1
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TUESDAY, 29 March 2022

Poster Sessions

11:30 am Poster Session 1.2

Industry talk 1

12:45 pm Optique Peter

Key note 1

01:00 pm The implementation and first operation of the ESRF-EBS programme *SETTE, Francesco (ESRF)*

Plenary talks 2

01:45 pm X-ray microspectroscopy for studying individual catalyst particles *MEIRER, Florian (Univ. Utrecht)*
 02:15 pm Advanced Light Source Upgrade Project *ROBIN, D. (LBNL)*

PS1.2: Spectroscopies and Time Resolved Spectroscopies (Chair: H. Gretarson, V. Bisogni)

03:00 pm Aqueous Solution-Vapor Interfaces Investigated with Ambient Pressure X-ray Photoelectron Spectroscopy *BLUHM, Hendrik (Fritz Haber Institute of the Max Planck Society)*
 03:20 pm Probing Solid-liquid Interfaces with Tender X-rays *NOVOTNY, Zbynek (PSI)*
 03:40 pm Ambient Pressure Photoelectron Spectroscopy at MAX IV – Studying Catalytic Systems with Milli- and Microsecond Time Resolution *SHAVORSKIY, Andrey (MAX IV Laboratory)*
 04:00 pm An upgraded HAXPES beamline BL09XU in SPring-8 *YASUI, Akira (JASRI)*
 04:15 pm Momentum-space signatures of Berry-flux monopoles in a Weyl semimetal observed by circular dichroism in soft X-ray photoelectron spectroscopy *BENTMANN, Hendrik (University of Würzburg)*
 04:30 pm POLARIS: Above Ambient Pressure Operando Catalysis using Hard X-ray Photoelectron Spectroscopy *LOEMKER, Patrick (Stockholm University)*
 04:45 pm Highly-Efficient HARPES and HXPD using ToF Recording *FEDCHENKO, Olena (Johannes Gutenberg Univ Mainz)*

PS2.2: Facility updates and new facilities: Synchrotron Radiation (Chair: S. Klumpp, O. Chidinma)

03:00 pm High Energy Photon Source (HEPS) *DONG, Yuhui (Institute of High Energy Physics, Chinese Academy of Sciences)*
 03:20 pm Development of the Science Case for NSLS-II Upgrade *SHEN, Qun*
 03:40 pm Status of the PETRA IV project *BARTOLINI, Riccardo (DESY)*
 04:00 pm Update on the Advanced Photon Source and the APS-U project. *CHAPON, Laurent C. (Argonne National Laboratory)*
 04:20 pm Shenzhen Synchrotron Radiation Facility Project *SUN, Dongbai (Institute of Advanced Science Facilities, Shenzhen)*
 04:35 pm FemtoMAX beamline at the MAX IV laboratory a Nordic facility for Ultrafast X-ray science *JURGILAITIS, Andrius*
 04:50 pm Recent Upgrades to the GALAXIES Inelastic X-Ray Scattering End-Station: X-Ray Raman, X-Ray Emission and High Resolution Monochromators *ABLETT, James (Synchrotron SOLEIL)*

PS3.2: X-ray optics (Chair: L. Alianelli)

03:00 pm Extreme focusing of X-rays *BAJT, Sasa (DESY)*

03:20 pm	Pushing the frontiers in diffractive X-ray optics for XFELs	DAVID, Christian (Paul Scherrer Institut)
03:40 pm	An iterative approach for the optical and mechanical design of an X-ray beamline: application to the plane-wave CDI station CATERETÉ/SIRIUS	MEYER, Bernd (CNPEM)
03:55 pm	Characterizing the transverse coherence of an undulator beamline at the Advanced Photon Source using grating interferometry	SHI, Xianbo (Argonne National Laboratory)
04:10 pm	Focusing with an achromatic X-ray lens	KUBEC, Adam (Paul Scherrer Institut)
04:25 pm	Metrology of X-ray lenses using speckle-based-sensing techniques at the ESRF: an overview	CELESTRE, Rafael (ESRF - The European Synchrotron)
04:40 pm	XFEL sub-10nm focusing system using Wolter type III-based advanced KB mirrors	YAMADA, Jumpei (RIKEN SPring-8 Center)

PS4.2: Imaging, Coherence and Scanning (Chair: M. Holler, Y. Wataru)

03:00 pm	Cryo-nanoscopy at beamline ID16A: Opportunities and challenges for bio-imaging	CLOETENS, Peter (ESRF)
03:20 pm	NanoARPES beamline at the Taiwan Photon Source	CHENG, Cheng-Maw (National Synchrotron Radiation Research Center)
03:40 pm	Fast full-field X-ray nano imaging at National Synchrotron Light Source II	GE, Mingyuan (Brookhaven National Lab)
04:00 pm	High-resolution Imaging of the Calcination and Porosity Evolution of Ni/Al ₂ O ₃ Catalysts by Ptychographic X-ray Microscopy	WEBER, Sebastian (Karlsruhe Institute of Technology (KIT), IKFT)
04:15 pm	Three-dimensional imaging of atomic ordering in an Fe-Al alloy by coherent X-ray Bragg ptychography	KIM, Chan (European XFEL)
04:30 pm	Coupled ptychography and tomography reconstruction of experimental data	KAHNT, Maik (MAX IV Laboratory)
04:45 pm	X-ray Nanodiffraction for Microstructural Image and the Applications on Material Science	CHIANG, Ching-Yu

PS5.2: Crystallography and Structural Biology (Chair: A. Meents, G. Pompidor)

03:00 pm	Diffraction X-ray Tracking and Blinking -Dynamic Observation of Single Molecule in the Living Cells-	SASAKI, Yuji C. (The University of Tokyo)
03:20 pm	Crystallographic fragment-screening at the HZB: workflow and procedures	WEISS, Manfred (Helmholtz-Zentrum Berlin)
03:40 pm	MicroMAX – New Opportunities in Macromolecular Crystallography	URSBY, Thomas (MAX IV Laboratory)
03:55 pm	Enabling extended collaborative research in crystallography with Amarcord.	MIDDENDORF, Philipp (DESY)
04:10 pm	A Crystallographic and Spectroscopic Investigation of Intra- or Inter-Molecular Photo-Induced Electron Transfer in a Polymorphic Donor-Bridge-Acceptor System.	BASUROY, Krishnayan (DESY)
04:25 pm	The experimental advantages of higher energies for protein crystallography	STORM, Selina (EMBL Hamburg)
04:40 pm	VESPA - a Versatile Endstation for Serial Protein Crystallography Applications	DWORKOWSKI, Florian (Paul Scherrer Institute)

PS6.2: Beamline innovation (Chair: O. Seeck)

03:00 pm	Soft X-ray nano-spectroscopy at NSLS-II: Upcoming high throughput, high resolution STXM/Ptychography, ARPES and RIXS imaging beamlines.	WALTER, Andrew (Brookhaven National Laboratory)
03:20 pm	The Velociprobe: Towards High-speed High-resolution X-ray Ptychography	DENG, Junjing (Argonne National Laboratory)
03:40 pm	The combination of the Eiger2 detector with the SmarGon multi-axis goniometer enables new data collection protocols on the variable and microfocus beamline I04 at Diamond Light Source	FLAIG, Ralf (Diamond Light Source)

03:55 pm	PETRA III / P02.1 - The Powder Diffraction and Total Scattering Beamline	<i>ETTER, Martin (DESY)</i>
04:10 pm	P61A: A New White Beam Beamline for Materials Science	<i>Guilherme Abreu Faria (Helmholtz-Zentrum Geesthacht (HZG))</i>
04:25 pm	Hard X-ray Nano-Tomography on the Transmission Microscope at the ANATOMIX Beamline	<i>SCHEEL, Mario (Synchrotron SOLEIL)</i>

PS7.2: Beam and optics diagnostics (Chair: Chr. Bloomer, T. Sato)

03:00 pm	High Precision In-Vacuum Long Trace Profiler for In-Situ Slope Determination of Optical Surface	<i>KAO, Kai Yang (National Synchrotron Radiation Research Center)</i>
03:20 pm	Feasibility study of X-ray whitebeam monitoring by Silicon Carbide, solid-state, sensors at synchrotron radiation sources	<i>CAMARDA, Massimo (SenSiC gmbH)</i>
03:35 pm	Diagnostic Endstation at the Materials Imaging and Dynamics instrument at EuXFEL	<i>BOESENBERG, Ulrike (European XFEL)</i>
03:50 pm	Study of temporal, spectral, arrival time and energy fluctuations of SASE FEL pulses	<i>BERMUDEZ MACIAS, Ivette Jazmin (DESY)</i>
04:05 pm	An X-ray beam property analyzer based on dispersive crystal diffraction	<i>SAMADI, Nazanin (Paul Scherrer Institut)</i>
04:35 pm	Application of in situ long trace profiler at NSRRC	<i>LIN, Shangwei (National Synchrotron Radiation Research Center)</i>
04:50 pm	Advanced one-click coherence analysis tools for multi-electron wave propagation beamline simulations with SRW and OASYS demonstrated in a comparative study of a nanoprobe beamline at PETRA III and PETRA IV	<i>SEYRICH, Martin (DESY)</i>

PS10.1: FEL: New facilities and scientific opportunities (Chair: D. Fritz, A. Madsen)

03:00 pm	Advanced Operation Schemes at high repetition rate XFELs	<i>GELONI, Gianluca Aldo (European XFEL)</i>
03:20 pm	High-brightness self-seeded X-ray free-electron laser at PAL-XFEL	<i>NAM, Inhyuk (Pohang Accelerator Laboratory (PAL) XFEL)</i>
03:40 pm	Attosecond Capabilities at the Linac Coherent Light Source	<i>MARINELLI, Agostino (SLAC)</i>
04:00 pm	Free electron laser PoFEL- project development.	<i>SZAMOTA-LEANDERSSON, Karolina (National Centre for Nuclear Research)</i>
04:15 pm	FLASH2020+ - upgrade plan for a new coherent source at DESY	<i>TOLEIKIS, Sven (DESY)</i>
04:30 pm	HED science at European XFEL – an overview	<i>ZASTRAU, Ulf (European XFEL)</i>
04:45 pm	The MagneDyn beamline at the FERMI free electron laser	<i>MALVESTUTO, Marco (Elettra Sincrotrone Trieste)</i>

PS11.1: Detectors (Chair: K. Shanks, A. Bergamaschi)

03:05 pm	SLAC X-ray Detectors for the LCLS-II/HE era	<i>DRAGONE, Angelo (SLAC National Accelerator Laboratory)</i>
03:25 pm	Advanced customized high resolution X-ray detection systems	<i>VACCHI, Andrea (Department of Mathematics, Computer Science and Physics University of Udine -)</i>
03:45 pm	XIDER: a Novel X-ray Detector for the Next Generation of High-Energy Synchrotron Radiation Sources	<i>WILLIAMS, Morag (ESRF)</i>
04:15 pm	DynamiX: A charge cancellation ASIC for high rate X-ray measurements using CdZnTe	<i>WILSON, Matt (Science & Technology Facilities Council)</i>
04:30 pm	AMHz Frame Rate Detector System for Spectroscopic Imaging of Hard X-rays	<i>VEALE, Matthew (UKRI STFC Rutherford Appleton Laboratory)</i>
04:45 pm	The new AGIPD detector generation	<i>STERN, Stephan (DESY)</i>

Poster Sessions

05:10 pm	Poster Session 2.1
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WEDNESDAY, 30 March 2022

Poster Sessions

11:30 am Poster Session 2.2

Industry talk

DECTRIS

Key note 2 (Chair: M. Yabashi)

01:00 pm X-Ray Imaging at the Nanosclar with attosecond time resolution *GORKHOVER, Tais (University of Hamburg)*

Plenary talks 3

01:45 pm New research opportunities with FELs *MASCIOVECCHIO, Claudio (Elettra)*

02:15 pm Microfluidic Tools Overcoming Limitations in Serial Crystallography with XFELs *ROS, Alexandra (Arizona State University)*

PS1.3: Spectroscopies and Time Resolved Spectroscopies (Chair: L. Le Guyader)

03:00 pm BioXAS-Imaging: multi-resolution X-ray fluorescence imaging beamline at the Canadian Light Source *KORBAS, Malgorzata (Canadian Light Source)*

03:20 pm Progress Towards Remote Access X-ray Spectroscopy at SSRL *SARANGI, Ritimukta (SLAC)*

03:40 pm Hard X-Ray Spectromicroscopy from PETRA III to PETRA IV *SCHLUETER, Christoph (DESY)*

03:55 pm Stroboscopic operando spectroscopy of the dynamics in heterogeneous catalysis by event-averaging *KNUDSEN, Jan (Division of synchrotron Radiation and MAX IV Laboratory, Lund University)*

04:10 pm Rapid XANES Microscopy to Investigate Structural Changes in Catalysis *SCHROPP, Andreas (CXNS - Center for X-ray and Nanoscience, DESY)*

04:25 pm Application of near edge X-ray absorption mass spectrometry for the study of bio-relevant molecules in the gas phase. *SCHWOB, Lucas (DESY)*

04:40 pm The spectroscopic fingerprint of a Fischer-Tropsch model catalyst *GROOT, Irene*

PS2.3: Facility updates and new facilities: Synchrotron Radiation (Chair: M. Cherukara, R. Tai)

03:00 pm Coherent Control of Atoms in the Extreme Ultraviolet and Attosecond Regime by Synchrotron Radiation *KANEYASU, Tatsuo (SAGA Light Source)*

03:20 pm High-Resolution and Momentum-resolved Soft X-ray RIXS *HUANG, Di-Jing (National Synchrotron Radiation Research Center)*

03:40 pm New developments at the COMET instrument from Sextants Beamline in Soleil, towards higher repetition rates and better resolution *POPESCU, Horia (Synchrotron Soleil)*

04:00 pm Exploiting TRIBs in a Synchrotron Radiation Facility *HOLLDAK, Karsten (Helmholtz-Zentrum Berlin)*

04:15 pm FROM MOLECULES TO LIQUID JETS AT MAX IV – OPPORTUNITIES FOR SOFT X-RAY RESEARCH SPANNING ISOLATED SPECIES TO CONDENSED SAMPLES *WALSH, Noelle (MAX IV)*

04:30 pm Development of an optical pump – X-ray probe facility for the time-resolved measurements from liquid-vapour interfaces *GIRI, Rajendra Prasad (Kiel University)*

04:45 pm An analytical approach to synchrotron beamline design: a proposed Nano-ARPES beamline for Diamond-II *WALTERS, Andrew (Diamond Light Source)*

PS3.3 X-ray optics (Chair: Y. Hirokatsu)

03:00 pm EMS-based monolithic 2D Multilayer Laue Lens (MLL) towards a 5-nm hard X-ray nanoprobe *NAZARETSKI, Evgeny*

03:20 pm Aberration correction and wavefront engineering with refractive phase plates *SEIBOTH, Frank (DESY)*

03:40 pm Fast Imaging - Characterization of crystalline X-ray optics for volumetric MHz imaging setup *BELLUCCI, Valerio (European XFEL)*

03:55 pm Multibeam X-ray Optical Systems for Millisecond Tomography *VOEGELI, Wolfgang (Department of Physics, Tokyo Gakugei University)*

04:10 pm Optics-on-a-Chip for Ultrafast Manipulation of Synchrotron Hard X-ray Pulses *WANG, Jin (Argonne National Laboratory)*

04:25 pm Ion Beam Figuring (IBF) of X-ray mirrors at Diamond Light Source utilizing Fast, On-board Metrology *HAND, Matthew (Diamond Light Source)*

04:40 pm In-built resonant structures for precision assembly of X-Ray Optics for 4th Generation Light Sources *BAINBRIDGE, Eleanor V (University of Lincoln) GRIFFITHS, Jonathan D (University of Lincoln)*

PS4.3 Imaging, Coherence and Scanning (Chair: M. Ge)

03:00 pm Chemical Imaging: Visualizing Chemistry in Space and Time *FERREIRA SANCHEZ, Dario (Paul Scherrer Institut)*

03:20 pm Propagation-based x-ray phase-contrast tomography of mastectomy samples using synchrotron radiation *GUREYEV, Timur (The University of Melbourne)*

03:40 pm Synchrotron X-ray Tomography with Millisecond-Order Temporal Resolution *YASHIRO, Wataru (Tohoku University)*

04:00 pm Virtual unfolding of Herculaneum Papyrus Fragments *PALERMO, Francesca (Institute of Nanotechnology- CNR, Rome Unit, Italy)*

04:15 pm Expanding the IMBL beam to the largest in the world for medical imaging *HAUSERMANN, Daniel (Australian Synchrotron (ANSTO))*

04:30 pm Full-Field 2D and 3D X-ray Diffraction Imaging for in situ and ex situ Characterization of Bulk Crystals *KABUKCUOGLU, Merve (Karlsruhe Institute of Technology (KIT), Institute for Photon Science and Synchrotron Radiation (IPS))*

04:45 pm Bragg Magnifier Optics for Dose-Efficient X-Ray Imaging with μm -Resolution *SPIECKER, Rebecca (Laboratory for Applications of Synchrotron Radiation (LAS), Karlsruhe Institute of Technology (KIT))*

PS4.4 Imaging, Coherence and Scanning (Chair: S. Casalbuoni, G. Falkenberg)

03:00 pm Locating novel therapeutic agents in the native cellular environment by correlative cryo-3D X-ray imaging *PEREIRO, Eva (ALBA synchrotron)*

03:20 pm Soft X-ray Nanoscopy Beamline for Novel Materials at the Taiwan Photon Source *WEI, Der-Hsin (National Synchrotron Radiation Research Center)*

03:40 pm Soft X-ray Imaging from 2D to 4D: Timeresolved Magnetic Laminography *RAABE, Joerg (Paul Scherrer Institut)*

04:00 pm Imaging magnetic nanostructures with soft-X-ray Fourier-transform holography *PFAU, Bastian (Max-Born-Institut)*

04:15 pm Photon time-of-arrival detection for time-resolved STXM imaging *FINIZIO, Simone (Paul Scherrer Institut)*

04:30 pm An in-situ laser for time-resolved measurements at the MAXYMUS microscope *GERLINGER, Kathinka (Max-Born-Institute, Berlin)*

PS6.3 Beamline innovation (Chair: S. Toleikis, M. Dommach)

03:00 pm	Exploiting coherent X-rays from 4th generation sources	<i>CARBONE, Dina (Max IV Laboratory)</i>
03:20 pm	Laying the groundwork of an in vivo macromolecular crystallography platform at Synchrotron SOLEIL	<i>CHAVAS, Leonard (Nagoya University)</i>
03:40 pm	Innovative Delta Robot Sample Scanner	<i>KELLY, Jon (Diamond Light Source)</i>
03:55 pm	Recent developments at the Hard X-ray Nanoprobe Beamline at MAX IV	<i>JOHANSSON, Ulf (MAX IV Laboratory)</i>
04:10 pm	First commissioning experiments at the CARNAÚBA X-ray nanoprobe at SIRIUS/LNLS	<i>TOLENTINO, HÉLIO (BRAZILIAN SYNCHROTRON LIGHT LAB - LNLS/CNPEM)</i>
04:25 pm	Coded Apertures for Depth Resolved Diffraction	<i>GURSOY, Doga (Argonne National Laboratory)</i>
04:40 pm	The European XFEL Data Operation Center	<i>HAUF, Steffen (European XFEL)</i>

PS10.2: FEL: New facilities and scientific opportunities (Chair: M. Ruiz Lopez)

03:00 pm	Capabilities of the new instrument suite at LCLS-II	<i>FRITZ, David (SLAC National Accelerator Laboratory)</i>
03:20 pm	Photon-Recoil Imaging: expanding the view of nonlinear X-ray physics	<i>EICHMANN, Ulli (Max Born Institut)</i>
03:40 pm	Materials Imaging and Dynamics Instrument at the European XFEL	<i>MADSEN, Anders (European XFEL)</i>
04:00 pm	New scientific capabilities of the X-ray Pump Probe instrument at the Linac Coherent Light Source	<i>SATO, Takahiro (SLAC National Accelerator Laboratory)</i>
04:15 pm	Femtosecond X-ray Experiments (FXE) at the European XFEL: instrument status and experimental capabilities	<i>KHAKHULIN, Dmitry (European XFEL GmbH)</i>
04:30 pm	Downstream Interaction regions for Serial-SFX at the SPB/SFX instrument of the European XFEL	<i>ROUND, Adam (European XFEL)</i>
04:45 pm	Femtosecond laser produced periodic plasma in a colloidal crystal probed by XFEL radiation	<i>MUKHARAMOVA, Nastasia (DESY)</i>

PS11.2: Detectors (Chair: A. Dragone, A. Vacchi)

03:00 pm	Development and application of photon-integrating area detectors for x-ray science	<i>SHANKS, Katherine</i>
03:20 pm	Detectors for present and future light sources at PSI	<i>BERGAMASCHI, Anna (Paul Scherrer Institut)</i>
03:40 pm	Spectroscopic X-ray Imaging at MHz Frame Rates – The HEXITEC\$_{MHz}\$ ASIC	<i>JONES, Lawrence (UKRI Science & Technology Facilities Council)</i>
03:55 pm	Jungfraujoeh – A Data Acquisition and On-the-fly Analysis System for Pixel Detectors at KiloHertz Frame Rates	<i>LEONARSKI, Filip (Paul Scherrer Institute)</i>
04:10 pm	1 Mpix Adaptive Gain Integrating Pixel Detector (AGIPD) at European XFEL – Experience with the detectors installed at SPB/SFX and MID Instruments	<i>SZTUK-DAMBIETZ, Jolanta (European XFEL)</i>
04:25 pm	Development of Data Correction for the 1M Large Pixel Detector at the EuXFEL	<i>WHEATER, Rhian Mair</i>
04:40 pm	First user experiments of the PERCIVAL soft X-ray imager	<i>CORREA MAGDALENA, Jonathan (DESY) KHARITONOV, Konstantin (DESY)</i>

PS14.1: Sample environment & delivery systems (Chair: M. Blum)

03:00 pm	Energy research using synchrotron for our future energy solutions - An example of sodium ion batteries	<i>GU, Qinfen (ANSTO)</i>
03:15 pm	High-pressure XAS & XRD infrastructure for operando catalytic studies at the synchrotron: A Fischer-Tropsch long-term experiment	<i>ZIMINA, Anna (Karlsruher Institut für Technologie (KIT) - Institut für Katalysatorforschung und -technologie (IKFT), Institut für Technische Chemie und Polymerchemie (ITCP))</i>

03:30 pm	Development of 3D printed microfluidics for synchrotron X-ray beamlines	<i>VAN DER LINDEN, Peter (ESRF - PSCM)</i>
03:45 pm	In situ/operando nanoscale chemical imaging, spectro-microscopy and diffraction using a correlative X-ray and transmission electron microscopy cell	<i>PARKER, Julia (Diamond Light Source)</i>
04:00 pm	Sample environment for multimodal operando hard X-ray tomography of catalysts and functional materials	<i>SHEPPARD, Thomas (Karlsruhe Institute of Technology)</i>
04:15 pm	Compact Profile Reactor for Structure-Activity Studies on Solid Catalysts by Spatially Resolved XAS, Concentration- and Temperature Profiling	<i>WOLLAK, Birte (Hamburg University of Technology)</i>
04:30 pm	A Three Dimensional Hydrodynamic Focusing Mixing Device for X-ray Spectroscopy	<i>KROLL, Thomas (SLAC National Accelerator Laboratory)</i>

PS15.1: Data automation & remote access

03:00 pm	Machine Learning-Based Beam Size Stabilization	<i>LEEMANN, Simon (Lawrence Berkeley National Laboratory)</i>
03:20 pm	The Big Data Science Center (BDSC) at the Shanghai Synchrotron Radiation Facility (SSRF): A Superfacility addressing the Big scientific Data challenges at the large scientific facilities	<i>SEPE, Alessandro (Big Data Science Center (BDSC), Shanghai Synchrotron Radiation Facility (SSRF), Shanghai Advanced Research Institute (SARI), Chinese Academy of Sciences)</i>
03:40 pm	Fully automated data collection at Swiss Light Source MX beamlines	<i>WOJDYLA, Justyna (Swiss Light Source)</i>
04:00 pm	I04-1: We can rebuild it, we have the technology. We can make it better than it was	<i>DUNNETT, Louise (Diamond Light Source)</i>
04:20 pm	Design and implementation of an instrument control platform for future beamline experiments at SPring-8	<i>NAKAJIMA, Kyo (Japan Synchrotron Radiation Research Institute, RIKEN)</i>
04:35 pm	The Karabo Control System: SCADA, Automation & Remote Access	<i>SILENZI, Alessandro (European XFEL)</i>
04:50 pm	Optimizing the Operation of a Superconducting Radiofrequency Gun Using Deep Reinforcement Learning	<i>MEIER, David (Helmholtz-Zentrum Berlin)</i>

Poster Sessions

05:10 pm Poster Session 3.1

THURSDAY, 31 March 2022

Poster Sessions

11:30 pm Poster Session 3.2

Industry talk

AXILON

Key Note Talk 3 (Chair: K. Attenkofer)

01:00 pm Recent Developments in Reflective X-ray Focusing Devices for Synchrotron Radiation Science *YAMAUCHI, Kazuto (Osaka University, RIKEN/SPring-8)*

Plenary talks 3

01:45 pm Direct Imaging of Orbitals in Quantum Materials using Inelastic X-ray Scattering *TJENG, Liu Hao (Max Planck Institute for Chemical Physics of Solids)*

PS1.4: Spectroscopies and Time Resolved Spectroscopies (Chair: W. Caliebe)

03:00 pm Transient Ultrafast soft X-ray Absorption Spectroscopy with a Beam splitting Off axis Zone plate scheme *LE GUYADER, Loic (European XFEL)*

03:20 pm Ultrafast X-ray emission at free electron lasers for investigations of photoinduced electron transfer in base metal dyads *BAUER, Matthias (Paderborn University)*

03:40 pm Extreme ultraviolet transient gratings for nanoscale dynamics in solids *BENCIVENGA, Filippo (Elettra-Sincrotrone Trieste)*

03:55 pm Recent advances in time-resolved luminescence spectroscopy at MAX IV and PETRA III storage rings *KIRM, Marco (Institute of Physics, University of Tartu)*

04:10 pm Multiple Timescale X-ray Transient Absorption Studies in the Application of Solar Energy Conversion *ZHANG, Xiaoyi*

04:25 pm Direct observation of charge separation in an organic light harvesting system by femtosecond time-resolved XPS *ROTH, Friedrich (DESY)*

04:40 pm Towards single shot X-ray absorption spectroscopy using the broadband emission at the SwissFEL Aramis undulator *MAMYRBAYEV, Talgat (PSI, LXN)*

PS2.4: Facility updates and new facilities: Synchrotron Radiation (Chair: H.-C. Wille, H. Reichert)

03:00 pm AI-Enabled Nanoscale Imaging *CHERUKARA, Mathew*

03:20 pm Commissioning and First Results of SSRF Phase II Beamline Project *TAI, Renzhong*

03:40 pm TOMCAT 2.0 upgrade: new imaging opportunities at SLS 2.0 *STAMPANONI, Marco (ETH Zürich - Paul Scherrer Institut)*

03:55 pm Micro-Computed Tomography (MCT) beamline at ANSTO/Australian Synchrotron: A progress report *STEVENSON, Andrew (ANSTO/Australian Synchrotron)*

04:10 pm Innovative diffraction data analysis of abnormal grain growth (AGG) in iron-based shape memory alloys (Fe-SMA) obtained by an in-situ cyclic heat treatment *DEGENER, Sebastian (University of Kassel, Institute of Materials Engineering, Metallic Materials)*

04:25 pm Elucidate Materials Paradigm at Diffraction-Limited Storage Rings *STUECKELBERGER, Michael (DESY)*

04:40 pm The DIAD beamline for Dual Imaging And Diffraction: A new tool image-guided diffraction measurements at Diamond Light Source *DEYHLE, Hans (Diamond Light Source)*

PS3.4: X-ray optics (Chair: E. Nazaretski, F. Seiboth)

03:00 pm	Advanced optical simulation tools in the OASYS suite and their applications to the design of last generation synchrotron radiation beamlines	<i>REBUFFI, Luca (Argonne National Laboratory)</i>
03:20 pm	Development of X-ray optics for advanced high-energy beamlines	<i>YUMOTO, Hirokatsu</i>
03:40 pm	Optical design of a continuously-tunable planar quasi-rectangular x-ray laser cavity	<i>ZHU, Diling (SLAC)</i>
03:55 pm	Efficient Coherent Mode Decomposition for Physical Optics Simulations of Beamlines and Experiments	<i>LI, Ruizi (Brookhaven National Laboratory)</i>
04:10 pm	Development of gratings for free electron lasers X-ray beams	<i>VILA-COMAMALA, Joan (Paul Scherrer Institut)</i>
04:25 pm	Active X-Ray Optic Pulse Pickers for Synchrotrons	<i>GAAL, Peter (Leibniz-Institut für Kristallzüchtung)</i>
04:40 pm	Operation and performance of the hard x-ray split-delay system at the Linac Coherent Light Source	<i>SUN, Yanwen (SLAC National Accelerator Laboratory)</i>

PS4.5: Imaging, Coherence and Scanning (Chair: D. Ferreira-Sanchez, F. Westermeier)

03:00 pm	3D diffractive imaging of nanoparticle ensembles using an X-ray laser	<i>AYYER, Kartik (Max Planck Institute for the Structure and Dynamics of Matter)</i>
03:20 pm	Single-shot ptychography at free electron lasers	<i>KHARITONOV, Konstantin (DESY)</i>
03:35 pm	Effect of water layers in femtosecond single particle imaging of proteins: a systematic study based on a start-to-end simulation platform	<i>E, Juncheng (European XFEL)</i>
03:50 pm	Imaging ultrafast dynamical diffraction wavefronts in micro-strained structures with coherent X-rays	<i>RODRIGUEZ-FERNANDEZ, Angel (European XFEL)</i>
04:05 pm	Holographic Imaging with Hard Single-Pulse XFEL illumination	<i>HAGEMANN, Johannes (DESY)</i>
04:20 pm	MHz X-ray microscopy at European XFEL	<i>VAGOVIC, Patrik (European XFEL)</i>
04:35 pm	Super-resolution in-line holography	<i>SOLTAU, Jakob (Institute for X-Ray Physics, University of Göttingen)</i>

PS4.6: Imaging, Coherence and Scanning (Chair: Y. Takahashi, J. Raabe)

03:00 pm	Direct Imaging of Nanoscale Magnetism and its Dynamics at the NSLS-II CSX Beamline	<i>HU, Wen (Brookhaven National Laboratory)</i>
03:20 pm	The Coherent Hard X-ray Scattering beamline at NSLS-II: watching the nanoscale dance of materials	<i>FLUERASU, Andrei (Brookhaven National Laboratory)</i>
03:40 pm	Recent detector and technique developments for microsecond X-ray Photon Correlation Spectroscopy experiments at the Advanced Photon Source.	<i>DUFRESNE, Eric (Argonne National Laboratory)</i>
04:00 pm	High-speed X-ray Photon Correlation Spectroscopy: Probing Nanoscale Critical Phenomena in a Complex Fluid	<i>SHEYFER, Dina (X-ray Science Division, Argonne National Laboratory)</i>
04:15 pm	X-ray ptychography using a laboratory source	<i>BOONE, Matthieu N. (Ghent University)</i>
04:30 pm	High-resolution quantitative phase-contrast X-ray tomography for biomedical samples	<i>RIEDEL, Mirko (Technical University of Munich, Department of Physics and Munich School of BioEngineering; Helmholtz-Zentrum Geesthacht, Institute for Materials Physics)</i>
04:45 pm	Visualization of proton distribution in SmNiO ₃ -based nanodevices	<i>ZALUZHNYI, Ivan (Department of physics, University of California, San Diego)</i>

PS8.1: Diffraction and Scattering for Material Science (Chair: D. Kakhulin)

03:00 pm	Why do we love working with industry? Because this is good for science, for business and for society.	<i>CAPRIA, Ennio</i>
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03:20 pm	High-energy Scanning 3DXRD	HAYASHI, Yujiro (RIKEN SPring-8 Center)
03:40 pm	SMASH-ML: Solving Materials and Structures through Heuristics and Machine Learning	TASSONE, Christopher (SLAC National Accelerator Laboratory)
04:00 pm	Industrial applications of tomographic microscopy at TOMCAT	OLBINADO, Margie (Paul Scherrer Institut)
04:15 pm	Addressing polydispersity in biopharmaceutical formulations with small angle X-ray scattering (SAXS)	GRAEWERT, Melissa (EMBL Hamburg)
04:30 pm	Fixed-bed Reactor for Operando Spatially-Resolved Structure-Activity Profiling	WOLLAK, Birte (Institute of Chemical Reaction Engineering, Hamburg University of Technology)
04:45 pm	Composition determination of kidney stone via Wide Angle X-ray Scattering at an inverse Compton X-ray source	MELCHER, Johannes
04:40 pm	CryoCAT: The CRYOgenic environment for coherent scattering at the CATereté beamline, SIRIUS	POLO, Carla Cristina (Brazilian Synchrotron Light Laboratory (LNLS), Brazilian Center for Research in Energy and Materials (CNPEM), 13083-970, Campinas, SP, Brazil)

PS10.3: FEL: New facilities and scientific opportunities (Chair: G. Geloni)

03:00 pm	LEAPS – Consortium of European Accelerator-based Photon Sources	RIVKIN, Leonid (EPFL and PSI)
03:20 pm	Capturing transient X-ray-matter interactions with twin XFEL pulses	INOUE, Ichiro (RIKEN)
03:40 pm	Time-delay compensating monochromator beamline at FLASH for spectroscopy at the Fourier limit	RUIZ LOPEZ, Mabel (DESY)
04:00 pm	Microsecond dynamics with MHz repetition rates and coherence properties of European XFEL	LEHMKUEHLER, Felix (DESY)
04:30 pm	The Multi-Resolution 'Cookiebox' Electron Spectrometer Array at TMO	KAMALOV, Andrei (SLAC National Accelerator Laboratory)
04:45 pm	Attosecond imaging of laser-induced and laser-dressed electron dynamics in solids	GORELOVA, Darya (Universität Hamburg, I. Institute for Theoretical Physics)

PS11.3 Detectors (Chair: M. Turcato, M. Ramilli)

03:00 pm	CITIUS: an 17400 frames/s X-ray imaging detector with a linear response over 600 Mcps/pixel	HATSUI, Takaki (RIKEN SPring-8 Center)
03:20 pm	The commissioning of PiMEGA 540D, a Large Area Detector based on Medipix3RX	MENDES, Larissa Helena
03:40 pm	ARDESIA-16: a 16-Channel High Resolution and High Count-Rate X-ray Spectrometer for Synchrotron Applications	TICCHI, Giacomo (Politecnico di Milano and INFN)
03:55 pm	The EIGER2 for Advanced X-Ray Diffraction Experiments at Next Generation Synchrotron Sources	BURIAN, Max (DECTRIS Ltd)
04:10 pm	Timepix4, a versatile timestamping pixel detector	PENNICARD, David (DESY)
04:25 pm	Scalable multi-element silicon drift detectors for synchrotron based soft to medium hard X-ray spectroscopy.	MENK, R.H. (Elettra Sincrotrone Trieste, INFN Trieste, University of Saskatchewan)
04:40 pm	Development of five lens-coupled X-ray imaging detectors with 150 Mpixels for X-ray microscopy	KAMESHIMA, Takashi (Japan Synchrotron Radiation Research Institute)

S14.2: Sample environment & delivery systems (Chair: J. Schulz, Th. Schneider)

03:00 pm	Ambient Pressure X-ray and Photoelectron Spectroscopies and Liquid Environments: New Developments and Fast Chemical Processes	BLUM, Monika (LBNL)
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03:20 pm	A new custom-made sample holder for high-temperature and in situ application of magnetic fields in a photoemission electron microscope	MANDZIAK, Anna (SOLARIS synchrotron)
03:40 pm	XEST - the new X-ray Elastic Scattering Tomography instrument at the SAXSMAT beamline P62 at PETRA III	COELHO CONCEICAO, Andre Luiz (DESY)
03:55 pm	Using Ambient Pressure X-ray Photoelectron Spectroscopy to study ALD in real-time	KOKKONEN, Esko (MAX IV Laboratory)
04:10 pm	In-situ setup for micromechanical tests combined with scanning X-ray nanodiffraction	DAVYDOK, Anton (Helmholtz Zentrum Geesthacht)
04:25 pm	First results of MAGELEC, a sample environment for performing RIXS under electric and magnetic field at the SEXTANTS beamline of the Synchrotron SOLEIL	NICOLAOU, Alessandro (Synchrotron SOLEIL, L'Orme des Merisiers, Saint-Aubin, BP 48, 91192 Gif-sur-Yvette,FR)

PS15.2: Data, automation & remote access (Chair: S. Applin)

03:00 pm	AI Methods for Improved Operations at Synchrotron Beamlines	OLDS, Daniel (Brookhaven National Laboratory)
03:20 pm	Data Processing at the Linac Coherent Light Source	YOON, Chunhong (SLAC national accelerator laboratory)
03:40 pm	Next generation experimental data access at NSLS-II	RAKITIN, Maksim (NSLS-II, Brookhaven National Laboratory, Upton, NY 11973, USA)
04:00 pm	Azimuthal integration of area-detector data on field-programmable gate arrays	MATEJ, Zdenek (MAX IV Laboratory, Lund University, Sweden)
04:15 pm	Toward on-the-fly data processing for 20.2 Mpixel CITIUS detector at 17.4 kframes/s	HIRAKI, Toshiyuki (RIKEN SPrinc-8 Center)
04:30 pm	FAIR Data Analysis Services for Photon and Neutron Science	PERRIN, Jean-Francois (ESRF)
04:45 pm	Towards Serial Computed Tomography based on Automated Data Acquisition & Analysis Pipelines for Large Scale 3D Morphological Studies	FARAGO, Tomas (Karlsruhe Institute of Technology)

Poster Sessions

05:10 pm Poster Session 4.1

FRIDAY, 1 April 2022

Poster Sessions

11:30 am Poster Session 4.2

Plenary Talks 4 (Chair: Ye Tao)

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| 1:00 pm | 3GeV NGSF facility project in Japan - a unique collaboration between industry and public funding and utilization - | <i>TAKATA, Masaki (Tohoku University)</i> |
| 1:30 pm | FEL Activities at SHINE and SXFEL | <i>LIU, Zhi (ShanghaiTech University)</i> |
| 2:00 pm | Scanning small-angle scattering imaging in life and material sciences in 4D and 6D | <i>LIEBI, Marianne (PSI)</i> |
| 2:45 pm | Awards Session and Closing | |
| | FELs of Europe Award: Jérémy Rouxel | |
| | Kai-Siegbahn-Prize: Yulin Chen | |
| | Poster awards | |
| 4:05 pm | End of Conference | |