

Sunday		09 June 2019
14 <sup>00</sup> -19 <sup>00</sup>		Registration and Reception
15 <sup>00</sup> -15 <sup>10</sup>		Opening Address
15 <sup>10</sup> -15 <sup>50</sup>	special speaker	<b>Wladek Minor</b> (University of Virginia, Charlottesville, United States) <i>Synchrotron Radiation - Foundation for the Golden Age of Structural Biology</i>
15 <sup>50</sup> -16 <sup>30</sup>	L-01	<b>Marcin Nowotny</b> (IIMCB, Warszawa) <i>Crystallographic studies of the mechanism of proteins involved in genome stability</i>
16 <sup>30</sup> -17 <sup>00</sup>		Coffee Break
17 <sup>00</sup> -17 <sup>40</sup>	L-02	<b>Magdalena Kowalska</b> (CERN, Geneva, Switzerland) <i>Beta-NMR with CERN accelerators: from nuclear physics to biology</i>
17 <sup>40</sup> -18 <sup>00</sup>	O-01	<b>Jakub Szlachetko</b> (Institute of Nuclear Physics Polish Academy of Sciences, Krakow, Poland) <i>Core-level spectroscopy triggered by femtoseconds X-ray pulses</i>
18 <sup>00</sup> -18 <sup>20</sup>	O-02	<b>P. Grochulski</b> (Canadian Light Source, Saskatoon, Canada) <i>Review of Health Research at the Canadian Light Source</i>
18 <sup>20</sup> -18 <sup>40</sup>	O-03	<b>T.W. Wysokinski</b> (Canadian Light Source, Saskatoon,

		Canada) <i>Introducing monochromatic Microbeam Radiation Therapy (m-MRT) modality</i>
18 <sup>40</sup> -19 <sup>00</sup>	O-04	<b>S. Skruszewicz</b> (Institute of Optics and Quantum Electronics, Friedrich Schiller University Jena, Germany; Helmholtz Institut Jena, Jena, Germany) <i>XUV coherence tomography with nanoscale resolution driven by broadband XUV sources</i>
19 <sup>15</sup> -20 <sup>00</sup>		Barbecue
Monday		10 June 2019
8 <sup>00</sup> -9 <sup>00</sup>		Registration and Reception
9 <sup>00</sup> -9 <sup>40</sup>	L-03	<b>Armin Wagner</b> (Diamond Light Source, Didcot, UK) <i>Tender X-rays – New colours for macromolecular crystallography</i>
9 <sup>40</sup> -10 <sup>20</sup>	L-04	<b>Michael Hanfland</b> (ESRF, Grenoble, France) <i>Molecular solids at high pressure, structural changes and stability</i>
10 <sup>20</sup> -11 <sup>00</sup>	L-05	<b>Damian Paliwoda</b> (NCPS Solaris, UJ, Kraków, Poland)) <i>Matter at Extremes: Toward New Functional Materials Synthesized at High Pressure</i>
11 <sup>00</sup> -11 <sup>40</sup>		Coffee Break

11 <sup>40</sup> -12 <sup>20</sup>	L-06	<b>Nikolai Mezentsev</b> (Budker Institute of Nuclear Physic, Novosibirsk, Russia) <i>Superconductivity for light generation</i>
12 <sup>20</sup> -12 <sup>40</sup>	O-05	<b>G. Richter</b> (Gottfried Schatz Research Center for Cell Signaling, Metabolism and Aging, Medical University of Graz, Graz, Austria) <i>Integrative Structural Characterization of Biopharmaceuticals by Small-Angle X-Ray Scattering (SAXS)</i>
12 <sup>40</sup> -13 <sup>00</sup>	O-06	<b>Maciej Jankowski</b> (CEA/INAC-MEM, Grenoble, France) <i>Synchrotron X-ray diffraction investigation of graphene on liquid copper</i>
13 <sup>00</sup> -14 <sup>20</sup>		Lunch
14 <sup>20</sup> -15 <sup>00</sup>	L-07	<b>Marek Stankiewicz</b> (NCPS Solaris, UJ, Kraków, Poland) <i>Current status and future development of NCPS Solaris</i>
15 <sup>00</sup> -15 <sup>40</sup>	L-08	<b>Sebastian Glatt</b> (Jagiellonian University, Kraków, Poland) <i>High-Resolution single particle Cryo-EM How Poland can take part in the ongoing resolution revolution in structural biology</i>

15 <sup>40</sup> -16 <sup>00</sup>	O-07	<b>Krzysztof Woźniak</b> (Department of Chemistry, University of Warsaw, Warszawa, Poland) <i>Successful Experimental Quantitative Charge Density Feasibility Study of Grossular Under High Pressure</i>
16 <sup>00</sup> -16 <sup>40</sup>	Coffee Break	
<b>SOLARIS Special Session</b>		
16 <sup>40</sup> -17 <sup>00</sup>	O-08	<b>A.I. Wawrzyniak</b> (National Synchrotron Radiation Centre SOLARIS, Kraków, Poland) <i>SOLARIS operation status</i>
17 <sup>00</sup> -17 <sup>20</sup>	O-09	<b>M. Zając</b> (National Synchrotron Radiation Centre SOLARIS, Kraków, Poland) <i>The first experimental results from PEEM/XAS beamline at Solaris</i>
17 <sup>20</sup> -17 <sup>40</sup>	O-10	<b>M. Kozak</b> (National Synchrotron Radiation Centre SOLARIS, Kraków, Poland)
17 <sup>40</sup> -18 <sup>00</sup>	O-11	<b>Tomasz Kołodziej</b> (National Synchrotron Radiation Centre SOLARIS, Kraków, Poland) <i>SOLCRYS beamline at SOLARIS</i>
18 <sup>00</sup> -18 <sup>20</sup>	O-12	<b>B. Wolanin</b> (National Synchrotron Radiation

		Centre SOLARIS, Kraków, Poland) <i>XMCD beamline status</i>
18 <sup>20</sup> -18 <sup>40</sup>	O-13	<b>M. Szczepanik-Ciba</b> (National Synchrotron Radiation Centre SOLARIS, Kraków, Poland) <i>PHELIX – a new beamline at SOLARIS synchrotron</i>
18 <sup>40</sup> -19 <sup>00</sup>	O-14	<b>N. Olszowska</b> (National Synchrotron Radiation Centre SOLARIS, Kraków, Poland) <i>UARPEs - high resolution photoelectron spectroscopy beamline at NSRC Solaris - Current state</i>
19 <sup>00</sup> -20 <sup>00</sup>	Dinner	
<b>Tuesday</b>		
<b>11 June 2019</b>		
9 <sup>00</sup> -9 <sup>40</sup>	L-09	<b>Sasa Bajt</b> (DESY, Hamburg, Germany) <i>Development of multilayer Laue lenses and their applications</i>
9 <sup>40</sup> -10 <sup>20</sup>	L-10	<b>Andrei V. Petukhov</b> , Utrecht University, the Netherlands <i>Nanoparticles and their self- assembly in 1D and 2D: SAXS, GISAXS and XRR</i>
10 <sup>20</sup> -11 <sup>00</sup>	L-11	<b>Eleonora Shtykova</b> , (Shubnikov Institute of Crystallography, Russian Academy of Sciences, Moscow, Russia) <i>The role and potential</i>

		<i>benefits of protein structural disorder in viral replication machinery: study and modeling from synchrotron SAXS data</i>
11 <sup>00</sup> -11 <sup>40</sup>	Coffee Break	
11 <sup>40</sup> -12 <sup>20</sup>	L-12	<b>Krzysztof Banas</b> (National University of Singapore, Singapore Synchrotron Light Source Singapore) <i>Comparison of bulk and microscale infrared characterisation of stratum corneum - key aspects of hyperspectral data processing</i>
12 <sup>20</sup> -13 <sup>00</sup>	L-13	<b>Britta Redlich</b> (FELIX, Radboud University, Nijmegen, The Netherlands) <i>IR and THz spectroscopy with the FELIX free electron laser: From astrochemistry to condensed matter physics</i>
13 <sup>00</sup> -14 <sup>20</sup>	Lunch	
14 <sup>20</sup> -15 <sup>00</sup>	L-14	<b>Lutz Kirste</b> (Fraunhofer Institute for Applied Solid State Physics, Freiburg, Germany) <i>Synchrotron X-ray Diffraction Rocking Curve Imaging of the Defect Structure of GaN Substrates</i>
15 <sup>00</sup> -15 <sup>40</sup>	L-15	<b>Per Johnsson</b> (LLC, Lund University, Lund, Sweden) <i>Laser-Driven High-Order Harmonic Generation</i>

		<i>Sources - Technical Frontiers and Future Directions</i>
15 <sup>40</sup> -16 <sup>00</sup>	O-15	<b>H. Fiedorowicz</b> (Institute of Optoelectronics, Military University of Technology, Warsaw, Poland) <i>X-ray absorption spectroscopy using laser plasma soft X-ray sources</i>
16 <sup>00</sup> -16 <sup>20</sup>	O-16	<b>K. A. Janulewicz</b> (Institute of Optoelectronics, Military University of Technology, Warsaw, Poland) <i>Nanometer resolution optical coherence tomography (OCT) using a compact laser plasma soft X-ray source</i>
16 <sup>20</sup> -16 <sup>40</sup>	O-17	<b>M. Dendzik</b> (Fritz Haber Institute of the Max Planck Society, Berlin, Germany) <i>Ultra-fast core-level dynamics in semiconducting WSe<sub>2</sub></i>
16 <sup>40</sup> -17 <sup>15</sup>		Coffee Break
17 <sup>15</sup> -19 <sup>00</sup>		General Assembly of the PSRS
19 <sup>00</sup> -20 <sup>00</sup>		Dinner
20 <sup>00</sup> -...		Poster Session
Wednesday		12 June 2019
9 <sup>00</sup> -9 <sup>40</sup>	L-16	<b>Agnieszka Banas</b> (National University of Singapore, Singapore Synchrotron Light Source Singapore)

		<i>Nanoscale characterisation of chemical speciation in CNT based composites - advantages and pitfalls of photothermal infrared spectroscopy in light of data processing</i>
9 <sup>40</sup> -10 <sup>20</sup>	L-17	<b>Matthias Bauer</b> (Paderborn University, Germany) <i>Establishment of XAS, XES and HERFD-XAS for sustainable chemistry applications</i>
10 <sup>20</sup> -11 <sup>00</sup>	L-18	<b>Michael Sztucki</b> (ESRF, Grenoble, France) <i>Probing the structure and dynamics of soft matter by synchrotron radiation.</i>
11 <sup>00</sup> -11 <sup>40</sup>		Coffee Break
11 <sup>40</sup> -12 <sup>20</sup>	L-19	<b>Vaclav Holy</b> (Charles University, Praga, Czechia) <i>Anomalous x-ray scattering and DAFS spectroscopy on nanoparticles in metallic single crystals</i>
12 <sup>20</sup> -13 <sup>00</sup>	L-20	<b>Krystyna Jabłońska</b> (IF PAN, Warszawa, Poland) <i>Influence of metal oxides surface stoichiometry on their physical and chemical properties – XAS and XPS studies</i>
13 <sup>00</sup> -14 <sup>20</sup>		Lunch
14 <sup>20</sup> -19 <sup>00</sup>		Conference Excursion

19 <sup>00</sup> -22 <sup>00</sup>		Conference Dinner
Thursday		13 June 2019
9 <sup>00</sup> -9 <sup>40</sup>	L-21	<b>Dmitry Khakhulin</b> (XFEL, Hamburg, Germany) <i>Combining femtosecond hard X-ray scattering and spectroscopy to study photochemical dynamics in solution: instrumentation and recent results</i>
9 <sup>40</sup> -10 <sup>20</sup>	L-22	<b>Josef Hormes</b> (Louisiana State University, USA) <i>Low energy X-ray absorption spectroscopy</i>
10 <sup>20</sup> -11 <sup>00</sup>	L-23	<b>Hiromitsu Tomizawa</b> (Spring8, Japan) <i>Synchronization between XFEL and Petawatt laser</i>
11 <sup>00</sup> -11 <sup>40</sup>		Coffee Break
11 <sup>40</sup> -12 <sup>20</sup>	L-24	<b>Dino Jaroszynski</b> (SCAPA, University of Strathclyde, Glasgow, UK) <i>The laser plasma wakefield accelerator as a versatile radiation source for applications</i>
12 <sup>20</sup> -13 <sup>00</sup>	L-25	<b>Subhendu Kahaly</b> (ELI_ALPS, Hungary) <i>Attosecond High Harmonic Sources at ELI-ALPS and the opportunities</i>
13 <sup>00</sup> -14 <sup>20</sup>		Lunch
14 <sup>20</sup> -15 <sup>00</sup>	L-26	<b>Toshiya Senda</b> (Structural Biology Research Center, KEK, Japan)

		<i>Automation and the DB system in the MX beamlines of Photon Factory</i>
15 <sup>00</sup> -15 <sup>40</sup>	L-27	<b>Elżbieta Trzop</b> (Université de Rennes 1, Rennes, France) <i>From molecular switching to material transformation: revisiting the spin crossover with ultrafast pump-probe techniques</i>
16 <sup>00</sup> -16 <sup>40</sup>	L-28	<b>Mirosław Gilski</b> (Adam Mickiewicz University, Poznań)
16 <sup>20</sup> -16 <sup>50</sup>	Coffee Break	

### Session A

16 <sup>50</sup> -17 <sup>10</sup>	O-18A	<b>R. Nietubyć</b> (Narodowe Centrum Badan Jądrowych, Swierk, Świerk, Poland) <i>Photon beams and experimental stations at the PoFEL free electron laser facility</i>
17 <sup>10</sup> -17 <sup>30</sup>	O-19A	<b>Edyta Piskorska-Hommel</b> (Institute of Low Temperature and Structure Research, Polish Academy of Sciences, W. Trzebiatowski Institute, Wrocław, Poland) <i>The structure evolution of the self-regenerative doubly doped CeO</i>
17 <sup>30</sup> -17 <sup>50</sup>	O-20A	<b>P. Maj</b> (Nencki Institute of Experimental Biology PAS,

		Warszawa, Poland) Structural insight into thymidylate synthase inhibition by N <sup>4</sup> -OH-dCMP
17 <sup>50</sup> -18 <sup>10</sup>	O-21A	<b>M. Nowakowski</b> (Institute of Nuclear Physics Polish Academy of Sciences, Krakow, Poland) Cr K $\beta_{1,3}$ RXES reveals heterogeneity of Cr binding site types in various artificial lipid membranes
18 <sup>10</sup> -18 <sup>30</sup>	O-22A	<b>I. Biało</b> (AGH, Krakow, Poland; TU Wien, Vienna, Austria) <i>X-ray studies of charge correlations in cuprates under extreme conditions</i>
18 <sup>30</sup> -18 <sup>50</sup>	O-23A	<b>K.M. Sowa</b> (Institute of Physics, Jagiellonian University, Kraków, Poland) <i>3D Multipoint-projection X-ray microscopy</i>
18 <sup>50</sup> -19 <sup>10</sup>	O-24A	<b>J. Stępień</b> (AGH University of Science and Technology, Academic Centre for Materials and Nanotechnology, Kraków, Poland) <i>XNLD as the means of studying near surface crystallographic structure in pristine and TM doped single crystals bismuth chalcogenides</i>
		<b>Session B</b>

16 <sup>50</sup> -17 <sup>10</sup>	O-25B	<b>Małgorzata Zienkiewicz-Strzałka</b> (Department of Physicochemistry of Solid Surface Maria Curie-Skłodowska University, Lublin, Poland) <i>SAXS investigation of nanostructure - property relationship of composite materials</i>
17 <sup>10</sup> -17 <sup>30</sup>	O-26B	<b>R. Sobierajski</b> (Institute of Physics Polish Academy of Sciences, Warszawa, Poland) <i>Ultrafast crystallization of thin film metallic glasses: an X-ray diffraction study</i>
17 <sup>30</sup> -17 <sup>50</sup>	O-27B	<b>A. Wolska</b> (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland) <i>XAFS study on the Co(II), Ni(II) and Cu(II) complexes with chlorophenoxy herbicides</i>
17 <sup>50</sup> -18 <sup>10</sup>	O-28B	<b>Diana Kalinowska</b> (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland)
18 <sup>10</sup> -18 <sup>30</sup>	O-29B	<b>K. Tyrala</b> (Institute of Nuclear Physics Polish Academy of Sciences, Krakow, Poland) <i>The off-resonant excitations and two-photon absorption cross-sections Z-dependence for the 3d elements.</i>

18 <sup>30</sup> -18 <sup>50</sup>	O-30B	<b>K. Wojtaszek</b> (Institute of Nuclear Physics Polish Academy of Sciences, Krakow, Poland) <i>Changes in the structure of XAS spectra and kinetics of phase transformation for thermally oxidized titanium at different temperatures</i>
18 <sup>50</sup> -19 <sup>10</sup>	O-31B	<b>Anna Wach</b> (Institute of Nuclear Physics Polish Academy of Sciences, Krakow, Poland) <i>Electronic structure of photocatalysts probed by</i>

		<i>means of X-ray spectroscopy techniques</i>
19 <sup>10</sup> -20 <sup>00</sup>		Dinner
Friday		14 June 2019
9 <sup>00</sup> -9 <sup>40</sup>	L-29	<b>Wojciech Tabiś</b> (AGH University of Science and Technology, Kraków, Poland) <i>Charge correlations and the Fermi surface reconstruction in cuprate superconductors</i>
9 <sup>40</sup> -10 <sup>20</sup>	L-30	<b>Tomasz Giela</b> (Jerzy Haber Institute of Catalysis and Surface Chemistry of the Polish Academy of Sciences, Kraków, Poland)

		<i>Characterization and measurement of magnetic materials using X-Ray and Threshold Photoemission Electron Microscopy</i>
10 <sup>20</sup> -10 <sup>40</sup>	O-32	<b>Michał Taube</b> (Department of Macromolecular Physics, Adam Mickiewicz University, Poznań, Poland) Structural and biophysical studies of the plant m6A methyltransferase complex
10 <sup>40</sup> -11 <sup>00</sup>		Closing Remarks
11 <sup>00</sup> -11 <sup>30</sup>		Coffee and snacks
11 <sup>30</sup> -...		Departure