

SEPTEMBER 27, MONDAY

- 09:00 • **Registration**
- 10:00 • **Anatoly Snigirev**
(Immanuel Kant Baltic Federal University, Russia)
«Opening: Brief Welcome»
- 10:15 • **Nikita Marchenkov**
(NRC «Kurchatov Institute», Russia)
«Synchrotron and Neutron research in Russia: Status and Perspectives»
- 11:00 • **Konstantin Zolotarev**
(Budker Institute of Nuclear Physics of SB RAS, Russia)
«Status of SKIF project implementation»
- 11:45 • **Oleg Konovalov**
(ESRF, France)
«ESRF ID10 beamline from the synchrotron source down to sample»
- 12:30 • **Lunch**
- 14:00 • **Alexander Korsunsky**
(Diamond; MBLEM, Department of Engineering Science, University of Oxford, UK)
«Coherent X-ray imaging and scattering for materials science applications at Diamond Light Source»
- 14:45 • **Andrey Shavorskiy**
(MAX IV, Sweden)
«Status of MAX IV»
- 15:30 • **Coffee Break**
- 16:00 • **Sergey Rashchenko**
(Sobolev Institute of Geology and Mineralogy SB RAS, Russia)
«High-pressure science at 4th generation light sources and XFELs»
- 16:45 • **Yuriy Chushkin**
(ESRF, France)
«Coherent diffraction microscopy - seeing the invisible»
- 18:00 • **Welcome Party**

SEPTEMBER 28, TUESDAY

- 10:00 • **Boris Chichkov**
(Institute of Quantum Optics, Leibniz University Hannover, Germany)
«Advanced Laser Nanotechnologies»
- 10:45 • **Alexey Pestov**
(Institute for Physics of Microstructures RAS, Russia)
«Ion beam figuring for making diffraction quality X-ray optics»
- 11:30 • **Vyacheslav Yunkin**
(Institute of Microelectronics Technology RAS, Russia)
«Development and fabrication of X-ray silicon optical elements and test structures»
- 12:15 • **Lunch**
- 14:00 • **Vasily Punegov**
(Institute of Physics and Mathematics, Komi RC UB RAS, Russia)
«Are there multilayer Laue lenses for focusing hard X-rays?»
- 14:45 • **Irina Snigireva**
(ESRF, France)
«X-ray microscopy: multidisciplinary applications»
- 15:30 • **Coffee Break**
- 16:00 • **Kristina Kvashnina**
(Rossendorf Beamline at the ESRF, France, Germany)
«Actinide Chemistry by Cutting Edge X-ray Methods»
- 16:45 • **Sergey Suturin**
(Ioffe Institute, RAS, Russia)
«Ultrafast dynamics of spatial magnetic fluctuations in Co/Pt multilayers studied at European XFEL»
- 18:00 • **Dinner**

SEPTEMBER 29, WEDNESDAY

- 10:00 • **Vladimir Bushuev**
(Lomonosov Moscow State University, Russia)
«Introduction to statistical X-ray optics»
- 10:45 • **Igor Schelokov**
(Institute of Microelectronics Technology and High Purity Materials, RAS, Russia)
«Introduction to phase space optics»
- 11:30 • **Oleksandr Yefanov**
(CFEL, Germany)
«SiMerge: looking at diffraction in 3D»
- 12:15 • **Lunch**
- 14:00 • **Victor Asadchikov**
(Institute of Crystallography RAS, Russia)
«X-ray methods for studying incompletely ordered systems: reflectometry, tomography, topotomography, small-angle scattering»
- 14:45 • **Tatiana Argunova**
(Ioffe Institute RAS, Russia)
«Microvoids in solids: synchrotron radiation phase contrast imaging and simulations»
- 15:30 • **Yulia Maslova**
(P. N. Lebedev Physical Institute RAS, Russia)
«Thompson sources and their application»
- 16:15 • **Coffee Break**
- 16:45 • **Bus to STP «Fabrika» - Excursion to Fabrika**
- 19:00 • **Dinner**

SEPTEMBER 30, THURSDAY

- 09:00 • **Pavel Musienko** (*Institute of Translational Biomedicine, Saint-Petersburg State University, Russia*)
«Spinal neuroprosthesis»
- 09:45 • **Evgeny Chupakhin** (*Immanuel Kant Baltic Federal University, Russia*)
«Collagen materials for tissue engineering»
- 10:30 • **Sergey Kirichenko**
(*St Petersburg University, Russia*)
«Functional solid materials for medicine»
- 11:00 • **Coffee break**
- 11:30 • **Andrei Petukhov** (*Utrecht University, The Netherlands*)
«Nanoscale Self-Assembly under Synchrotron Light»
- 12:15 • **Gleb Bourenkov** (*EMBL Hamburg c/o DESY, Germany*)
«High-resolution and time-resolved crystallography on EMBL beamlines at PETRA III and IV»
- 13:00 • **Lunch**
- 14:00 • **Ivan Bataev** (*Novosibirsk State Technical University, Russia*)
«Advanced Peak Profile Analysis Techniques for Materials Characterization: Advances due to Synchrotron Radiation»
- 14:45 • **Alexander Vul** (*Ioffe Institute, RAS, Russia*)
«Detonation nanodiamonds. Technology properties and applications»
- 15:30 • **Coffee break**
- 16:00 • **Olga Moskalyuk**
(*Saint Petersburg State University of Industrial Technologies and Design, Russia*)
«Conductive polymers for smart textile applications»
- 16:45 • **Nikolay Milovzorov** (*TESCAN, Ltd. (CIS), Russia*)
«TESCAN solutions for research of materials, substances and products»
- 17:30 • **Closing Remark**
- 18:00 • **School Gala Dinner**