

Light for Ukraine – synchrotron workshop at SOLARIS, 23-24.02.2023, online

23rd February (Thursday)

Session 1

9:30 – 9:40 Welcome: Marek Stankiewicz, SOLARIS NSRC Director

Anatoliy Zahorodniy, NASU President

Jean Daillant, LEAPS Chair

9:40 – 9:55 LEAPS presentation (Jean Daillant, LEAPS Chair)

9:55-10:10 National Academy of Sciences of Ukraine (Anatoliy Zahorodniy, NASU President)

10:10-10:25 ESUO presentation (Serhii Nedilko)

10:25 – 10:40 Synchrotron-based research in Ukraine (Alexander Kordyuk)

10:40 – 10:55 SOLARIS presentation (Jakub Szlachetko, Science Deputy Director)

10:55-11:10 ID's for "Light for Ukraine" (Luc Patthey, PSI)

11:10 – 11:25 PSRS – From Society to Synchrotron (Wojciech Kwiatek, PSRS Chairman)

Closed Panel

11:40 – 12:10

Session 2

13:15 – 13:35 SOLARIS: Spectroscopy Research Section (Ewa Partyka-Jankowska)

13:35 – 13:55 SOLARIS: Microscopy and Imaging Section (Paweł Korecki)

13:55 – 14:10 SOLARIS: Biomedical Research Section (Tomasz Wróbel)

24th February (Friday)

Session 3

Ukraine: Photon-based research

9:30 – 9:45 Structure of aminoacyl-tRNA synthetases: for science and medicine (Mykhaylo Tukalo, Institute of Molecular Biology and Genetics of NASU, Kyiv)

9:45 – 10:00 Functional lipid pairs as building blocks of phase-separated membranes (Dmytro Soloviov, European Molecular Biology Laboratory)

10:00 – 10:15 Exploring collective dynamics of liquids by inelastic X-ray scattering (Taras Bryk, Institute for Condensed Matter Physics of NASU, Lviv)

10:15 – 10:30 Structural investigation of ferrofluids by small-angle neutron and X-ray scattering (Anatolii Nagorny, CERIC-ERIC)

10:30 – 10:45 Dynamical Effects in the Integrated Scattering Intensity from Imperfect Crystals (Vyacheslav Lizunov, G.V. Kurdyumov Institute for Metal Physics of NASU, Kyiv) -

10:45 – 11:00 SAXS/SANS studies of nanoparticulate systems (Oleksandr Tomchuk, IFJ PAN / Shevchenko KNU)

11:00-11:15 EURIZON - future measures to support Ukraine -WP9 and 10" Greta Facile, DESY

Session 4

Ukraine: Photon-based research

12:15 – 12:30 Synchrotron study of phase transformations in the systems with superhard phases at high pressure and temperature (Volodymyr Turkevych, V. Bakul Institute for Superhard Materials of NASU, Kyiv)

12:30 – 12:45 Synchrotron radiation in NSC KIPT (Ivan Guk, Kharkov Institute of Physics and Technology of NASU) - *to be confirmed*

12:45 – 13:00 Instant ARPES as a tool for the synchrotron-based photoemission (Sergey Borisenko, IFW-Dresden)

13:00 – 13:15 In-situ preparation and photoemission study of FeSe ultrathin films (Oleksandr Suvorov, G.V. Kurdyumov Institute for Metal Physics of NASU/IFW-Dresden)

13:15 – 13:30 ARPES search for topological superconductivity (Volodymyr Bezguba, Kyiv Academic University)

13:30 – 13:45 Band structure approach to RIXS (Alexander Yaresko, Max-Planck-Institut für Festkörperforschung, Stuttgart)

13:45 - 13:55 International research opportunities at Diamond Light Source (Yuriy Chaban, Diamond Light Source)

Round table discussion and close session

14:10 – 14:30