

SCHOOL OF XFEL AND SYNCHROTRON RADIATION USERS "SFEL2017"

4th International Scientific School, May 9th – 12th 2017, Hotel SOREA MÁJ – Liptovský Ján, Slovakia

Programme



XFEL

Wednesday, May 10th, 2017



7:30 am - 8:30 am Breakfast

Opening

8:45 am - 9:00 am Pavol Sovák, Karel SaksI (UPJŠ, SAS)
“SVK representatives in the E-XFEL Council”

Tutorial Lectures (chairmen: Pavol Sovák, Karel SaksI)

9:00 am - 10:00 am Thomas Tschentscher (E-XFEL GmbH)
“Overview European XFEL and its scientific applications”

10:00 am - 10:30 am Coffee Break

10:30 am - 11:15 am Kristina Lorenzen (E-XFEL GmbH)
“The Use of XFELs for Lifesciences”

11:15 am - 12:00 am Anders Madsen (E-XFEL GmbH)
“Materials imaging and dynamics at the European XFEL”

12:00 am - 2:00 pm Lunch

Contributed Talks (chairmen: Pavol Sovák, Karel SaksI)

2:00 pm - 2:45 pm Karel SaksI (IMR SAS), Patrik Vagovič (E-XFEL GmbH)
“Serial Femtosecond Crystallography User Consortium”

2:45 pm - 3:30 pm Jozef Uličný (UPJŠ), Imrich Barak (SAS)
“Integrated biology infrastructure at the European XFEL”

3:30 pm - 4:00 pm Coffee Break

4:00 pm - 5:45 pm Round table discussions
headed by the XFEL Guests

6:15 pm - 7:30 pm Dinner

8:00 pm - 9:30 pm Round table discussions
headed by the conference chairmen

XFEL, Synchrotron Radiation

Thursday, May 11th, 2017



7:30 am - 8:30 am Breakfast

Tutorial Lectures (chairmen: Marcel Miglierini, Jozef Bednarčík)

8:30 am - 9:15 am Serguei Molodtsov (E-XFEL GmbH)
"European XFEL: Novel Tool for Study of Ultrafast Magnetic Phenomena"

9:15 am - 10:00 am Libor Juha (IP CzAS)
"Behaviour of metals, semiconductors, insulators, and soft matter exposed to extreme ultraviolet, soft x-ray and x-ray laser radiation"

10:00 am - 10:30 am Coffee Break

10:30 am - 11:15 am Thomas Schreiner (EBG MedAustron GmbH)
"Basic Principles of Synchrotron Accelerators and Synchrotron-Light Sources"

11:15 am - 12:00 am Rajmund Mokso (MAX IV)
"MAX IV: the first diffraction limited hard X-ray storage ring in user operation"

12:00 am - 2:00 pm Lunch

Contributed Talks (chairmen: Libor Juha, Karel SaksI)

2:00 pm - 2:30 pm Jozef Bednarčík (DESY)
"Experimental possibilities at the High-Resolution Powder Diffraction beamline P02.1@PETRA III"

2:30 pm - 3:00 pm Marcel Miglierini (STUBA)
"Nuclear Resonance Scattering of Synchrotron Radiation"

3:00 pm - 3:30 pm Yuriy Chuschin (ESRF)
"Structure and dynamics probed with coherent X-rays"

3:30 pm - 4:00 pm Coffee Break

4:00 pm - 4:30 pm Adriana Zeleňáková (UPJŠ)
"Characterization of fine magnetic nanoparticles and magnetic nanoporous composites using SAXS, WAXS and XANES"

4:30 pm - 5:00 pm Štefan Michalik (Diamond Light Source)
"Monochromatic and white beam diffraction, small angle X-ray scattering, tomography and radiography experiments at I12-JEEP beamline"

5:00 pm - 5:30 pm Juraj Krempasky (PSI)
"All-electric manipulation of the spin texture in ferroelectric and multiferroic Rashba semiconductors"

5:30 pm - 6:00 pm Juraj Ďurišin (TUKE)
"X-ray diffraction studies of disordered materials"

6:00 pm - 6:45 pm **Poster Section**

7:15 pm – ... Conference dinner

Neutron Sources and Neutron diffractions



Friday, May 12th, 2017

7:30 am - 8:30 am Breakfast

Tutorial Lectures (chairman: Adriana Zeleňáková)

8:30 am - 9:15 am Jiří Kulda (ILL Grenoble)

“Neutron scattering: fundamentals and applications to modern functional materials”

9:15 am - 10:00 am Norbert Kučerka (UKBA)

“Neutron Scattering for Soft Matter”

10:00 am - 10:30 am Coffee Break

Contributed Talks (chairman: Norbert Kučerka)

10:30 am - 11:00 am Daniela Uhríková (FaFUK)

“Interactions of Phospholipid Bilayers with Biologically Relevant Molecules: SAXS and SANS”

11:00 am - 11:30 am Stanislav Hrivňák (UPJŠ)

“3D X-ray imaging of whole model organisms using Bragg magnifier microscope”

Closing Ceremony

11:30 am - 12:00 am Adriana Zeleňáková, Karel Saksli

12:00 am - 2:00 pm Lunch



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