

Monday, May 25	Tuesday, May 26
14:00 Opening	7:00-8:30 Breakfast
14:30-17:00 Session I <i>Chairs: Daniel Šimek, Petr Mikulík</i>	8:30-10:30 Session III <i>Chair: Jan Rohlíček</i>
14:30 Milan Dopita (<i>Faculty of Mathematics and Physics, Charles University – CU, Prague</i>) Selected application of small-angle scattering	8:30 Michal Hušák (<i>University of Chemistry and Technology</i>) The use of machine learning interatomic potentials for crystal structure solution verification
15:00 Esther de Prado (<i>Institute of Physics, Czech Academy of Sciences - CAS, Praha</i>) Rh-Mn-Sb Heusler compounds in thin films	9:10 Jan Drahokoupil (<i>Institute of Physics, CAS, Praha</i>) Exploring local atomic environments using universal machine learnig potentials and automated structure generation
15:30 Petr Cejpek (<i>Institute of Physics, CAS, Praha</i>) Study of Ni ₂ FeGa microwire by conventional X-ray diffraction	9:40 Zdeněk Matěj (<i>Institute MAX IV Laboratory, Lund University</i>) Azimuthal integration of diffraction images: geometry, physical corrections, and NXazint format
15:55 Radomír Kužel (<i>Faculty of Mathematics and Physics, CU, Praha</i>) Hexaferrite thin films grown by chemical solution deposition on differently oriented sapphire substrates	10:10 Break, refreshment
16:20 Lukáš Horák (<i>Faculty of Mathematics and Physics, CU, Praha</i>) Probing non-trivial layer-substrate orientational relationships using wide reciprocal space mapping	10:00-12:40 Session IV <i>Chair: Radomír Kužel</i>
16:50 Eliška Spurná (<i>Faculty of Mathematics and Physics, CU, Praha</i>) Magnetic properties of Sc-doped M-type hexaferrite thin films	10:40 Jan Fábry (<i>Institute of Physics, CAS, Praha</i>) Analysis of Wenzel Jamnitzer's book <i>Perspectiva corporum regularium</i>
17:00 Break, refreshment	11:10 Pavína Řezáčová (<i>Institute of Organic Chemistry and Biochemistry, CAS, Praha</i>) 130 years of seeing the invisible: The story of X-Ray discovery
17:30-17:30 Session II <i>Chair: Jiří Brynda</i>	11:40 Stanislav Daniš (<i>Faculty of Mathematics and Physics, CU, Praha</i>) X-Rays from Röntgen to Laue and Braggs
17:30 Petra Havlíčková (<i>Faculty of Science, University of South Bohemia in České Budějovice</i>) The structural basis of molecular function: Experimental studies in disease, regulation, and catalysis	12:10 Boris Míč (<i>MTM, Bruker</i>)
17:55 Barbora Kaščáková (<i>Faculty of Science, University of South Bohemia in České Budějovice</i>) Reprogramming host ubiquitination: PROTAC-induced degradation of enteroviral 2C helicase	12:40 Lunch
18:20 Petr Kolenko (<i>Faculty of Nuclear Sciences and Physical Engineering, Czech Technical University- CTU, Praha</i>) Diffraction images of olive flounder interferon gamma: multi-purpose dataset for teaching crystallography	14:00-15:20 Student symposium and competition I <i>Chairs: Milan Dopita, Zdeněk Matěj</i>
19:00 Dinner	14:00 Marek Rušin (<i>Faculty of Nuclear Sciences and Physical Engineering CTU Prague</i>) Effect of cold-rolling followed by shot peening on microstructural parameters in EN 1.4470 duplex steel
20:30 From the history of crystallographic events (photos, videos)	14:20 Martin Endrych (<i>Faculty of Nuclear Sciences and Physical Engineering, CTU Prague</i>) The influence of additive manufacturing and heat treatment on the structure parameters of AISi10Mg alloy
	14:40 Ahmed Ubaid (<i>Institute of Physics, CAS, Praha</i>) Multiscale study of the intermittency of plastic deformation by microCT and acoustic emission method in Al-2Mg alloy foam
	15:00 Filip Hájek (<i>Faculty of Mathematics and Physics, CU, Praha</i>) Crystal structure and magnetism of a novel pyrochlore-type quaternary iridate

Tuesday, May 26	Wednesday, May 27
15:20 Break, refreshment	7:00-8:30 Breakfast
15:40-17:00 Student symposium and competition II <i>Chairs: Lukáš Horák, Petr Veřtát</i>	8:30-10:00 Session V <i>Chair: Jaromír Kopeček</i>
15:40 Josef Čekal (<i>Faculty of Science, Masaryk University, Brno</i>) The effect of thermal annealing on the structure of organic semiconductor thin films and powders	8:30 Lukáš Palatinus (<i>Institute of Physics, CAS, Praha</i>) Latest developments in structure analysis by 3D electron diffraction
16:00 Devanshu Varshney (<i>Faculty of Science, Masaryk University, Brno</i>) Substrate-controlled crystallization and crystal orientation of HMTP organic semiconductor thin films on graphene/SiC	9:15 Petr Brázda (<i>Institute of Physics, CAS, Praha</i>) Polymorphism and cooperative phase transitions in C6-BTBT (x=4,6,8) molecular crystals
16:20 Miroslav Lebeda (<i>Institute of Physics, CAS, Praha</i>) XRDicious: Recent developments in an interactive platform for powder XRD and structural analysis	9:40 Mariana Klementová (<i>Institute of Physics, CAS, Praha</i>) Mg/Fe distribution in clinoferrosilite from 3D ED data
16:40 Zdeněk Holman (<i>Faculty of Nuclear Sciences and Physical Engineering, CTU Prague</i>) Comparison of performance of universal Machine Learning Interatomic Potentials	10:05 Break, refreshment
17:00 Break, refreshment	10:30-12:30 Session V <i>Chair: Mariana Klementová</i>
17:20-18:40 Student symposium and competition III <i>Chairs: Jan Dražokoupil, Jindřich Hašek</i>	10:30 Václav Holý (<i>Faculty of Mathematics and Physics, CU, Praha</i>) Electron diffraction in randomly distorted crystals
17:20 František Fňukal (<i>University of Chemistry and Technology, Praha</i>) Crystal structure validation with the use of the DFT method	10:55 Tereza Skálová (<i>Institute of Biotechnology, CAS, Vestec</i>) Electron diffraction of SmNuc1 nuclease
17:40 David Rezazgui (<i>Faculty of Science, CU, Praha</i>) Intramolecular interactions in ferrocene phosphinostibines from the perspective of structural analysis and computational methods	11:20 Vladimír Havránek (<i>Institute of Nuclear Physics, CAS, Rez</i>) Ion beam methods and ion microprobe at laboratory of tandetron at NPI Řež
18:00 Jorge Javier Garcia Jimenez (<i>Faculty of Mathematics and Physics, CU, Praha</i>) Host-guest interactions in MIL-140C: Computational and experimental study with focus on paracetamol encapsulation	11:55 Patryk Wrobel (<i>Scanmat</i>) Modern methods for the analysis of structure and phases of materials: XRD solutions offered by SCANMAT and LANScientific
18:20 Anna Maďarová (<i>Institute of Organic Chemistry and Biochemistry, CAS, Praha</i>) Challenges in crystallization of protein-DNA complexes	12:20 Peter Oberta (<i>Institute of Physics, CAS, Praha</i>) Czech membership in ESRF
19:00 Dinner	12:30 Lunch
20:15 Meeting of CSCA board and ECM-36	13:40 Departure for Koneprusy caves
	14:00 Excursion in Koneprusy caves
	16:30 Return from Koneprusy caves
	17:30 CSCA assembly, ECM-36 organizing committee meeting
	19:30 Raut

Thursday, May 28, morning	Thursday, May 28, afternoon
7:00-9:00 Breakfast	14:00-16:00 Session VIII
9:00-10:25 Session VI <i>Chair: Michal Dušek</i>	<i>Chair: Nikolaj Ganev, Petr Cejpek</i>
9:00 Milan Klicpera (<i>Faculty of Mathematics and Physics, CU, Praha</i>) Synthesis and characterisation of high-performance ferroelectrics	14:00 Petr Nakládal (<i>Faculty of Science, CU, Praha</i>) Influence of high-voltage on X-ray tube on quality of diffraction pattern
9:30 Petr Veřtát (<i>Institute of Physics, CAS, Praha</i>) A unified structural framework for modulation and nanotwinning in Ni–Mn–Ga alloys	14:20 Oleksii Klimov (<i>Institute of Physics, CAS, Praha</i>) Role of X-ray diffraction in investigating structural properties of functional materials
10:00 Jana Šmilauerová (<i>Faculty of Mathematics and Physics, CU, Praha</i>) In situ synchrotron X-ray diffraction study of the evolution of ω particles and the $\beta \rightarrow \omega$ transition region during heating	14:45 František Laufek (<i>Czech Geological Survey, Praha</i>) Bentonite research for Czech deep geological repository of nuclear waste: What does XRD tell us?
10:25 Break, refreshment	15:10 Miroslav Pospíšil (<i>Faculty of Mathematics and Physics, CU, Praha</i>) Boron cages in MOF
10:50-12:30 Session VII <i>Chair: Pavla Roupcová</i>	15:35 Silvia Švarcová (<i>Institute of Inorganic Chemistry, CAS, Řež</i>) New material and technological aspects of ancient red-figure pottery from southern Italy
10:50 František Lukáč (<i>Institute of Plasma Physics, CAS, Praha</i>) High-throughput research of high entropy alloys using laboratory XRD	16:00 Results of student competition
11:15 Petr Doležal (<i>Faculty of Mathematics and Physics, CU, Praha</i>) Uniaxial-strain tuning of the metal-insulator transition in κ -(BEDT-TTF) ₂ Cu[N(CN) ₂]Br	16:20 Break, refreshment
11:40 Václav Pokorný (<i>Institute of Macromolecular Chemistry, CAS, Praha</i>) Polymorphism of helicenes studied by DSC and VT-XRD	16:50 ECM-36 satellites, workshops
12:05 Silvia Švarcová (<i>Institute of Inorganic Chemistry, CAS, Řež</i>) Effect of quartz and nanosilica on the hydration of LC3 cement	19:00 Dinner
12:15 Nikolaj Ganev (<i>Faculty of Nuclear Sciences and Physical Engineering, CTU Prague</i>) Vzpomínka na Stanislava Vratislava	Friday, May 29
12:30 Lunch	7:00-8:30 Breakfast
	9:00 Preparation of ECM-36, summary of discussions
	10:00 General discussion