

TUESDAY | April 14

13:00	REGISTRATION FOR XRD excites	Location: TU Graz
14:00	WELCOME	Frank Uhlig (TU Graz) Christoph Ebner (Anton Paar)
Session 1		Chair: Bryan R. Wheaton
14:10	KEYNOTE LECTURE: Svetlana Mintova Dynamic zeolite structures: Defects and flexibility tuned during crystallization	
15:00	GROUP PHOTO COFFEE BREAK	
15:30	Karim Adil: Fluorinated MOF materials for complex gas separation	
15:50	Margarita Belova, Anastassia Raag: From rare-earth MOF synthesis to catalytic application: X-ray diffraction study of 3D-structured MOF systems for cyclic carbonate synthesis	
16:10	Boris Shivachev: Powder X-ray diffraction study of Al-fumarate, MIL-101(Fe) and ZIF-8 using Cu K α radiation	
16:40	Bus transfer to Anton Paar GmbH (starting at TU Graz)	
17:00	COMPANY TOUR AT ANTON PAAR GMBH	
19:00	SYMPOSIUM DINNER AT SUDHAUS	

WEDNESDAY | April 15

09:00	GUIDED CITY TOUR (starting and ending at TU Graz)	
Session 2		Chair: Svetlana Mintova
11:30	KEYNOTE LECTURE: Noritaka Saito High-temperature XRD for green steelmaking: In situ insights into slag carbonation, mold flux crystallization, and UHTC stability	
12:20	Klaus Krammer: Spatially-resolved investigation of oxide scale formation in hydrogen and natural gas combustion atmosphere	
12:40	Jurij Koruza: Reaction routes and intermediate oxycarbonate phases in (Ba,Ca)(Zr,Ti)O ₃ piezoceramics	
13:00	LUNCH	
14:00	Daniele Bonavia: The new Debye beamline at SLS2.0: A versatile operando platform for X-ray scattering and X-ray absorption spectroscopy	
14:20	Santiago Median-Carrasco: Powder diffraction under non-ambient conditions, laboratory-scale measurements	
14:40	Rajendra Kumar Goyal: X-ray diffraction study of additively manufactured poly(ether-ketone-ketone)/short carbon fiber composites	
15:00	Julia Seilert: Polymorphism and phase transitions in triglycerides and complex fats: Insights from X-ray scattering	
15:20	COFFEE BREAK	

WEDNESDAY | April 15

Session 3		Chair: Noritaka Saito
15:50	KEYNOTE LECTURE: Bryan R. Wheaton Industrial applications of X-ray diffraction	
16:40	Jana Königsreiter: Grain boundary effects and pure bulk transport: Utilizing very low temperatures to determine ultra-high ionic conductivity in W-doped Na ₃ SbS ₄	
17:00	Xavier Alcobé: Crystallographic signatures of the ferroelectric–paraelectric transition in SbSI revealed by variable-temperature XRD	
17:20	Doris M. Fopp-Spori: HT-XRD on metallic glass coatings	
17:40	Elzbieta Pach: <i>In-situ</i> X-ray diffraction to expose the reaction mechanism of novel ultrafast growth method of superconducting thin films	
18:00	POSTER SESSION Beer & snacks	
19:30	FAREWELL	

THURSDAY | April 16

09:00	POSTER PRIZE	
Session 4		Chair: Xavier Alcobé
09:10	KEYNOTE LECTURE: Simon Billinge From saving pharmaceuticals to saving priceless historical artefacts via saving the planet: Understanding nanostructure with X-rays and algorithms	
10:00	Stefan Kowarik: Autonomous X-ray measurements powered by AI: XRD and XRR	
10:20	Marcus Müller: How HPC detectors help to acquire better XRD data	
10:40	COFFEE BREAK	
11:10	Kirill Kuhlmann: Step-by-step: Towards the structure of G+ type IV secretion system (T4SS) with the help of XRD	
11:30	Steven Huband: Operando battery studies on lab-based X-ray systems	
11:50	Arturas Vailionis: Bringing synchrotron-level GIXS to the lab: Structural analysis of ultrathin films and 2D materials	
12:10	FAREWELL LIGHT LUNCH	
13:00	Bus transfer to Anton Paar GmbH (only for participants of NA-XRD Workshop, starting at TU Graz)	
13:30	NON-AMBIENT XRD WORKSHOP Tutors: Bryan R. Wheaton and Barbara Pühr	
17:00	FAREWELL Transfer to city center	