XRD excites 2026

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		
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 Kα 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	
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

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WEDNESDAY | April 15

Session 3	
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_3SbS_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**: *In-situ* 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	
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 Puhr**
17:00	*FAREWELL* | Transfer to city center

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