

# SAXS excites

**24 to 25 SEPT**

**INTERNATIONAL SAXS SYMPOSIUM 2019**  
GRAZ UNIVERSITY OF TECHNOLOGY | AUSTRIA

**TUESDAY, SEPTEMBER 24, 2019**

09:00 a.m.	WELCOME	Frank Uhlig (TU Graz), Petra Kotnik (Anton Paar)
<b>Session 1</b>		
09:15 a.m.	JAN SKOV PEDERSEN: Refolding of SDS-unfolded proteins by non-ionic surfactants: Equilibrium and kinetics	Chair: Otto Glatter
10:00 a.m.	MATIJA TOMŠIČ: Structure, viscosity and dynamics in H-bonding molecular liquids: SWAXS and computer simulation studies	
10:20 a.m.	STEFAN SALENTINIG: SAXS-guided design of nature-inspired adaptive nanomaterials for health applications ( <i>presented by Mahsa Zabara</i> )	
10:40 a.m.	COFFEE BREAK	
11:15 a.m.	JAN ILAVSKY: SAXS everywhere: Applications of SAXS in our daily life materials science	
12:00 a.m.	LUNCH BREAK	
01:00 p.m.	POSTER SESSION WITH COFFEE	
<b>Session 2</b>		
02:15 p.m.	MICHAEL KRUMREY: Three aspects of SAXS: Tender X-rays, continuous contrast variation and standardization	Chair: Heiner Santner
03:00 p.m.	ANDREAS THÜNEMANN: A look inside nanoparticles	
03:20 p.m.	OTTO GLATTER: Colloidal systems at high concentration studied by small-angle scattering	
04:00 p.m.	OPTIONAL COMPANY TOUR TO ANTON PAAR GMBH	
07:00 p.m.	SYMPOSIUM DINNER	

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## Session 3

09:00 a.m.	STEPHAN ROTH: Investigating thin films using grazing-incidence small-angle X-ray scattering	Chair: Jan Ilavsky
09:45 a.m.	BENEDETTA MARMIROLI: GISAXS and IR Spectroscopy study of the hydration of lipid membranes upon interaction with a mesoporous support	
10:05 a.m.	GERHARD POPOVSKI: Deformation of uniaxially oriented semi-crystalline PET films during tensile experiments	
10:25 a.m.	COFFEE BREAK	

## Session 4

11:00 a.m.	YONGFENG MEN: Structural evolution in polyolefins probed by SAXS	Chair: Heinz Amenitsch
11:45 a.m.	AMIN SADEGHPOUR: Structure and dynamics in the newly designed polymer nanofibers with embedded lipid mesophases	
12:05 p.m.	RAINER T. LECHNER: Surface facets and shape anisotropy of colloidal nanocrystals revealed by combined SAXS and WAXS	
12:25 p.m.	CHRISTIAN SCHERDEL: Spatially resolved SAXS of continuous structural gradients in sol-gel derived solids	
12:45 p.m.	LUNCH BREAK	

## Session 5

01:45 p.m.	TOBIAS MADL: Integrative Structural Characterization of Biomolecules by SAXS	Chair: Jan Skov Pedersen
02:30 p.m.	MELISSA A. GRÄWERT: Structural characterization disease related antibodies with solution small-angle X-ray scattering	
02:50 p.m.	ERIC FAGERBERG: Crowding of intrinsically disordered proteins studied with SAXS and computational methods	
03:10 p.m.	JULIANE NOGUERA BATISTA DIAS PELIN: Effect of the morphology on the aggregation process of amphiphilic amyloidogenic peptides mixtures	
03:30 p.m.	COFFEE BREAK	

## Session 6

03:50 p.m.	ARMIN HOELL: In situ SAXS and ASAXS combined with other methods and complex sample environments	Chair: Michael Krumrey
04:10 p.m.	CHRISTIAN PREHAL: Nanoscale phase evolution in Lithium-air batteries as seen by operando small-angle X-ray scattering	
04:30 p.m.	BERND SCHUMMER: Combining SAXS and WAXS for characterization of nanoparticles in gel and glass	
05:00 p.m.	FAREWELL	

This is the preliminary program; it can be subject to change.