

Thursday, 29/09/2022

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Time	Erzherzog Johann Auditorium	HS Miller von Hauenfels	
08:30		<p><i>Chair: R. Resel</i> Vaclav Holy (CU Prague) Nanoparticles of omega phase in Ti-alloys - results of synchrotron studies</p>	
08:45			
09:00	<p>Walter Kutschera Otto Robert Frisch, the quiet co-discoverer of fission</p>		
09:15			<p>Stefan Kowarik (KFU Graz) How fast can in operando X-ray measurements get?</p>
09:30		<p>Christoph Rameshan (TU Wien / MU Leoben) Correlating Structure and Reactivity on Energy Materials by Synchrotron based in-situ Spectroscopy</p>	
09:45	<p>Peter Fratzl (MPI Potsdam) Bioinspired materials concepts for sustainability</p>	<p>Markus Mezger (Univ. Wien) Interfacial premelting in ice/clay nanocomposites</p>	
10:00			
10:15			
10:30	Coffee & Tea	Coffee & Tea	
10:45		<p><i>Chair: W. Keller</i> Stephan Sponar (TU Wien) Weak and Which-Way Measurements Studied in Neutron Interferometry</p>	
11:00	<p>Kohlrausch Prize Talk</p>		
11:15			<p>Enrico Semeraro (KFU Graz) Lactoferricins impair the cytosolic membrane of Escherichia coli within a few seconds and accumulate inside the cell</p>
11:30			<p>Gang Dong (Max Perutz Labs Wien) Structural studies reveal that CFAP410 is a bimodular protein and explain how its mutations cause severe human diseases</p>
11:45	<p>Sexl Prize Talk</p>		
12:00	<p>Auwärter Prize Talk</p>		
12:15			
12:30	<p><i>Chair: E. Jericha</i> Lunch & NESY Members' Meeting</p>	<p>NESY Lunch & Posters</p>	
12:45			
13:00			
13:15			
13:30		<p>HS Miller von Hauenfels</p>	
13:45	<p>HS Miller von Hauenfels</p>	<p><i>Chairs: G. Krexner & A. Ney</i> Introduction: Bernhard Plunger (ÖAW) Günther Bauer (JKU Linz) & Gero Vogel (Univ. Wien)</p>	
14:00	<p><i>Chair: R.T. Lechner</i> Heinz Amenitsch (TU Graz@ELETTRA) The Austrian SAXS beamline at ELETTRA - from Material to Life Science - Present & Future</p>	<p>Gema Martinez-Criado Opportunities for users at the upgraded ESRF-EBS ESRF Grenoble</p>	
14:15			
14:30		<p>Mark Johnson Opportunities & perspectives for scientists from Austria at the Institut Laue Langevin (ILL) ILL Grenoble</p>	
14:45	<p>Christian Prehal (ETH Zürich) Operando X-ray and neutron scattering with stochastic modelling to quantify the nanoscale phase evolution in post-lithium-ion batteries</p>	<p>Silvano Lizzit Science at Elettra and perspectives for Elettra 2.0 ELETTRA Trieste</p>	
15:00	<p>Santa Pile (JKU Linz) Nonstationary spin waves under a uniform excitation in a confined permalloy microstrip directly imaged with STXM-FMR</p>		
15:15			
15:30	Coffee & Tea	<p>Daniel Weselka / Stefan Hanslik (online)</p>	
15:45		<p>BMBWF</p>	
16:00	<p><i>Chair: H. Abele</i> Sylvio Haas (DESY Hamburg) The new SAXS-BL for Materials Research at PETRA III (SAXSMAT – P62)</p>	<p>Discussions & Closing</p>	
16:15			
16:30		<p>Petra Spoerk-Erdely (MU Leoben) How <i>in situ</i> synchrotron X-ray diffraction and scattering have contributed to the characterisation and development of intermetallic γ-TiAl based alloys</p>	
16:45			
17:00	<p>Silke Bühler-Paschen (TU Wien) Inelastic neutron scattering: A prime tool for studying strong correlation phenomena</p>		
17:15			