

Thursday, April 13, 2023

TIME	PROGRAMME
09:30	<b>Registration</b>
12:30	<b>Opening</b>
12:45	<b>Kothleitner, G.</b> / Institute for Electron Microscopy and Nanoanalysis / FELMI, Graz University of Technology, and the Graz Centre for Electron Microscopy / ZFE, Graz, Austria <i>2D and 3D STEM Imaging and Spectroscopy: Applications and Perspectives in View of Novel STEM Infrastructure</i>
13:10	<b>Chen, Z.</b> / Erich Schmid Institute of Materials Science of the Austrian Academy of Sciences, Leoben, Austria <i>Atomic-scale understanding of the structural evolution in TMN superlattice during nanoindependent deformation</i>
13:22	<b>Juffmann, T.</b> / University of Vienna, Vienna, Austria <i>Transverse electron beam shaping with light</i>
13:34	<b>Konecna, A.</b> / Institute of Physical Engineering, Brno University of Technology, Brno, Czech Republic <i>Entangling free electrons and optical excitations</i>
13:46	<b>Slama, M.</b> / TESCAN ORSAY HOLDING, a.s., Brno, Czech Republic <i>Achieve the highest quality and throughput in TEM lamella preparation using automation processes and a unique lift-out method</i>
14:00	<b>Coffee break</b>
14:30	<b>Grasenick Prize Ceremony</b>
14:38	<b>Permann, C.</b> / University of Innsbruck, Department of Botany, Innsbruck, Austria <i>Structural Insights Into The Cell Wall of Zygnematophycean Zygospores</i>
14:58	<b>Horák, M.</b> / Brno University of Technology, Brno, Czech Republic <i>Plasmonic properties of individual gallium nanoparticles</i>
15:18	<b>Stroppa, D.</b> / DECTRIS AG, Baden, Switzerland <i>Fast 4D STEM with ARINA Hybrid-Pixel Detector</i>
15:30	<b>Coffee break</b>
16:00	<b>Minenkov, A.</b> / Christian Doppler Laboratory for Nanoscale Phase Transformations / Center for Surface and Nanoanalytics / Johannes Kepler University Linz, Linz, Austria <i>Advanced preparation of plan-view specimens on a MEMS chip for in situ TEM heating experiments</i>
16:12	<b>Zens, B.</b> / Institute of Science and Technology Austria (ISTA), Klosterneuburg, Austria <i>Ultrastructural characterization of natively preserved extracellular matrix by cryo-electron tomography</i>
16:24	<b>Propst, D.</b> / University of Vienna, Faculty of Physics, Vienna, Austria <i>STEM image simulations of quantum centers in diamond</i>

<b>TIME</b>	<b>PROGRAMME</b>
<b>16:36</b>	<b>Šimić, N.</b> / Graz Centre for Electron Microscopy, Graz, Austria <i>Phase Analysis and Atomically Resolved Delithiation Quantification of (Li)FePO<sub>4</sub> by Integrated Differential Phase Contrast Imaging and Selected Area Electron Diffraction</i>
<b>16:48</b>	<b>Baco, O.</b> / Thermo Fisher Scientific <i>Microalloyed steel precipitate characterization by automated TEM imaging and EDS analysis</i>
<b>17 – 18</b>	<b>Poster session</b>
<b>19:00</b>	<b>Conference dinner (Stiegl-Ambulanz)</b>