

MONDAY, APRIL 20TH

TIME	
09:30	Registration
12:00	Opening
12:15	<u>Invited Speaker Gerhard Sommer</u> : From Forces to Fibers: Multiscale Visualization of Mechanical Effects on Arteries
12:45-	Clara Kofler : From four t(w)o three: An exploration of interferometric 4D-STEM for measuring 3D variations in twisted bilayer graphene
13:35	Elias Pescoller : Towards Quantum Computing Enhanced Electron Microscopy
13:35	Philip Steiner : Immunogold Live-Cell CLEM for the ultrastructural localization of TPC1 in J774 macrophages
	Sponsor presentation by Martin Slama (Tescan)
13:35	Coffee break
14:00	Fritz Grasenick Award ceremony
14:10	<u>Grasenick Award lecture by Antonin Jaros</u> : Sensing Spin Precession with Free Electrons
14:30	<u>Grasenick Award lecture by Irene Vercellino</u> : SCAF1 drives the compositional diversity of mammalian respirasomes
14:50	Sponsor presentation by Javier Fernandez Collado (Thermo Fisher Scientific)
15:00	Coffee break
15:30-	Murat Sivis : Multimodal Ultrafast Scanning Electron Microscopy
16:40	Peter Kirchweger : Advanced cryo-STET imaging: targeting the mtDNA in situ
16:40	Tatiana Kormilina : Accessible workflows for EELS and EDX tomography through automated acquisition and multimodal reconstruction
16:40	Yong Huang : Multi-scale investigations on the strengthening and toughening of highly nanotwinned transition metal nitride film
	Sponsor presentation by Wolfgang Schwinger (Zeiss)
	Sponsor presentation by Mikhail Lazarev (Bruker)
16:40-18:10	Poster session 1
19:00	Conference dinner at Heuriger Mayer am Pfarrplatz

TUESDAY, APRIL 21ST

TIME	
8:30	Morning Coffee
09:00	<p><u>Invited Speaker Daniel Knez</u>: Atomic-Scale Insights into Matter via Multi-Modal STEM: From Structure to Function</p> <p>Johannes Liesche: TEM-tomography for structure-function modeling of cell connections in plant tissues</p>
9:30-10:20	<p>Zhuo Chen: Direct observation of Schottky-vacancy clusters and their mechanical response in MoN/TiN superlattice</p> <p>Bernadette C. Ortner: Electron Microscopy Analysis for the Optimization of Perovskite–Organic Tandem Solar Cells</p> <p style="text-align: center;">Sponsor presentation by Fengfa Yao (CIQTEK)</p>
10:20	Coffee break
10:45	<p><u>Special Guest presented by ISTA: Charles Roques-Carnes</u> Electron Microscopy as a Platform for Nanophotonics and Quantum Optics</p> <p>Alexey Minenkov: Plasma FIB Tomography of Mast Cells: Challenges and Solutions</p>
11:15-12:00	<p>Umair Javed: Origin of pores in electron irradiated hexagonal boron nitride</p> <p style="text-align: center;">Sponsor presentation by Lars Jansen (Schaefer Scientific)</p> <p style="text-align: center;">Sponsor presentation by Georg Raggl (Jeol)</p>
12:00	Poster session 2 & Lunch break
13:30	<p>General Assembly incl. Poster Price & Image Competition Ceremony</p>
14:45	Coffee break
15:00-16:00	<p>Sergei Bogdanov: Ghost Imaging with Free Electron-Photon Pairs</p> <p>Lena Wiesbauer: Advanced multimodal Electron Microscopy for Characterization of Two-Pore Channels in Macrophages</p> <p>Lukas Lobenwein: Optimization of dopant detection in wide band gap semiconductors using STEM EELS</p> <p style="text-align: center;">Sponsor presentation by Sajjad Tollabimazraehno (Videko/Hitachi)</p> <p style="text-align: center;">Sponsor presentation by Bas ter Mull (Protochips)</p>
16:00	Closing & Lab tours