POSTER	No
Åhlgren, H. / University of Vienna, Vienna, Austria	P23
(S)TEM imaging of quantum centers in diamond	
Andosch, A. / Department of Biosciences and med. Biology, Paris-Lodron Uni-	P26
versity Salzburg, Salzburg, Austria	
Pharmacological inhibition of NLRP3 in MOLM-13 cells show´s hallmarks of cell cycle arrest and apoptosis	
Böhm, S. / Core Facility Ultrastructure Analysis, Graz, Austria	P20
Simple thawing method developed for preserving ultrastructural features in cryo- stored samples	
Fitzek, H. / FELMI-ZFE, Graz, Austria	P04
Comparing Raman quantifications in water-ethanol-propanol mixtures – How much is it?	
Foltýn, M. / Brno University of Technology, Brno, Czech Republic	P29
Influence of deposition paremeters of gold on properties of plasmonic antennas	
Groiß, H. / CD Laboratory for Nanoscale Phase Transformations, ZONA, Johannes Kepler University Linz, Linz, Austria	P32
Nanoscale view of manganese segregation at prior austenite grain boundaries in LME-sensitive Zn-coated TBF steels	
Hagen, D. & Obermayer, A. / University of Salzburg, Austria	P33
Validation and optimization of the diatom L/D ratio as a diagnostic marker for drowning	
Hasenauer, S. / FELMI-ZFE, Graz, Austria	P02
Getting a grip on in situ biasing – A clean method for sample preparation for in situ biasing TEM experiments	
Hess, M. / Institute of Histology and Embryology, Medical University of Innsbruck; Austria	P34
Uncoventional sample fixation for immuno-EM of conventionalmyosin HyNMII and actin in Hydra nematocytes	
Horák, M. / Brno University of Technology, Brno, Czech Republic	P08
Metal-insulator transition in vanadium dioxide studied by in-situ TEM	
Hornof, D. / TU Wien, Vienna, Austria	P07
Temporal correlations of cathodoluminescence in scanning electron microscopy	
Huang, Y. / Erich Schmid Institute of Material Science, Leoben, Austria	P06
Atomic-Resolution Measurement of Point Defect Concentration in TaN	
Jafarian, H. / University of Vienna, Vienna, Austria	P31
High-resolution Imaging of Surface Dynamics	
Joudi, W. / University of Vienna, Faculty of Physics, Vienna, Austria	P05
Correlated AFM/STEM study on the Mechanical Stiffness of Defect-Engineered Graphene	
Kofler, C. / Faculty of Physics, University of Vienna, Vienna, Austria	P15
Characterization of platinum diselenide thin films using STEM	
Kornmüller, K. / Medical University of Graz, Graz, Austria	P25
Neuronal activation by optoelectronic stimulation	
Kraft, F. / University of Vienna, Faculty of Physics, Vienna, Austria	P01
Laser System for In-Situ Experiments in Scanning Transmission Electron Micro- scopes	
Längle, M. / University of Vienna, Faculty of Physics, Vienna, Austria	P10
Noble gas clusters in a graphene sandwich	

POSTER	No
Löffler, S. / TU Wien, Vienna, Austria	P03
Possibilities of 4D Energy-filtered STEM for Core Loss Spectroscopy	
Madsen, J. / University of Vienna, Faculty of Physics, Vienna, Austria	P22
abTEM: A Fast and Flexible Python-based Multislice Simulation Package for Trans- mission Electron Microscopy	
Mayer, B. / University of Vienna/ Physics Department, Vienna, Austria	P09
Point defects in monolayer h-BN created by low energy argon irradiation and char- acterized through scanning transmission electron microscopy	
Neuper, C. / Graz Centre for Electron Microscopy, Steyrergasse 17, 8010 Graz, Austria	P30
A correlated OF2i®-Raman method for micro- and nanoplastic chemical analysis in liquids	
Pernitsch, D. / Core Facility Ultrastructure Analysis, Graz, Austria	P24
Simple thawing method developed for preserving ultrastructural features in cryo- stored samples	
Planko, T. / FELMI-ZFE, Graz, Austria	P18
Correlative SEM, EDX and Raman microscopy of corrosive stressed components - In particular microbial corrosion (MIC), chloride induced corrosion (CIC) and alkali silica reaction (AKR)	
Ploszczanski, L. / Boku, Inst. f. Physik	P11
Mechanical and ultrastructural investigations of various spider silks	
Preimesberger, A. / TU Wien, Vienna, Austria	P28
Towards correlated momentum measurements in coincident electron-photon pairs	
Schachinger, T. / TU Wien, Vienna, Austria	P12
Only one Electron at a Time? – Studying Temporal Correlations of Continuous Field Emission in the TEM	
Schretter, L. / Erich Schmid Institute of Materials Science, Austrian Academy of Sciences, Leoben, Austria	P13
Mapping nanoscale strain fields in metallic glass composites via precession nanobeam electron diffraction	
Spielauer, T. / TU Wien, Vienna, Vienna	P27
Towards driving Quantum Systems in cryogenic environments with the Near-Field of Modulated Electron Beams	
Theissing, M. / FELMI-ZFE, Graz, Austria	P17
Investigation of recrystallization processes in aluminum alloys - in situ electron backscatter diffraction optimized for annealing at constant heating rates	
Wissler, J. & Němeček, D./ TESCAN, Dortmund, Germany	P19
Multimodal Near-UHV 4D-STEM Analysis of Lithium Battery, Superalloys and Carbon Nanotubes Materials using TESCAN TENSOR	
Wolff, M. / Quantum Design Europe	P16
Two Microscopes are better than One - in-situ Inspection of Material Characteristics via AFM / SEM Combined Correlative Microscopy	
Zhang, Z. / Erich Schmid Institute, Austrian Academy of Sciences, Leoben, Aus- tria	P21
Revealing oxide heterointerface-induced phenomenon at the atomic scale	
Zickler, G. & Obermayer, A. / University of Salzburg, Austria	P14
Implementation of a Transmission Electron Microscopy Lab for Cryo-Nano- Imagining of Biological Materials.	