

# Poster & Platform Presentations Schedule

MONDAY			
SESSION	TIME/LOCATION	TITLE	AUTHORS
Platform Session 13:30 (9)	14:15 Room 343	Thick (3D) Sample Imaging Using iDPC-STEM at Atomic Scale	I Lazić, EG Bosch, E Yücelen, R Imlau, S Lazar; Thermo Fisher Scientific, Netherlands
Platform Session 13:30 (53)	15:00 Room 344	Poster # 3: Simultaneous iDPC and ADF STEM Imaging at the Limit of Contrast and Resolution	I Lazić, E Yücelen, EG Bosch; Thermo Fisher Scientific, Netherlands
Poster Session 15:00 (74)	15:00 Exhibit Hall	Poster #24: Dynamically Templated Acquisition of EDS X-Ray Spectral Images Using Electron Image Contrast	SM Seddio; Thermo Fisher Scientific
Poster Session 15:00 (76)	15:00 Exhibit Hall	Poster #26: Systematic Error Determination of $\zeta$ -Factor Quantification in XEDS Analysis	E Barabino; Technical University of Eindhoven, Netherlands, T Withaar, B Freitag; Thermo Fisher Scientific, Netherlands
Poster Session 15:00 (92)	15:00 Exhibit Hall	Poster #42: Metals Characterization by Principal Component EDS Analysis and EBSD	J Morrow, K Thompson; Thermo Fisher Scientific
TUESDAY MORNING			
SESSION	TIME/LOCATION	TITLE	AUTHORS
Platform Session 08:30 (157)	09:00 Room 322	Influence of SEM Deposited Protection Layers on FIB Induced Amorphous Damage of TEM Lamella Prepared by ExSolve WTP	MR Najarian, M Gordillo, G Dutrow; Thermo Fisher Scientific
Platform Session 08:30 (159)	09:30 Room 322	Cryo-EM Workflow Optimization	M Kuijper, M de Jonge; Thermo Fisher Scientific, Netherlands, J Mitchels; Thermo Fisher Scientific, Czech Republic, S Konings; Thermo Fisher Scientific, Netherlands, O Shanel; Thermo Fisher Scientific, Czech Republic, R vd Ploeg; Thermo Fisher Scientific, Netherlands
Platform Session 10:30 (214)	10:30 Room 345-6	(Invited) Atomic-Resolution Imaging of Heterogeneous Catalysts at Work	S Helveg; Haldor Topsøe A/S, Denmark, I Chorkendorff, CD Damsgaard; Technical University of Denmark, Denmark, JR Jinschek; Ohio State University, CF Elkjaer, SP Jespersen, S Vendelbo; Haldor Topsøe A/S, Denmark, B Hendriksen; Thermo Fisher Scientific, Netherlands et. al.
Platform Session 10:30 (231)	11:45 Room 327I	Very Large-Area EDS Spectral Images: Impact of Latest Silicon Drift Detector Technology	JJ McCarthy; University of Wisconsin-Madison, JF Konopka; Thermo Fisher Scientific
Platform Session 10:30 (236)	10:30 Room 322	Tilt-Free EBSD	T Vystavěl, P Stejskal; Thermo Fisher Scientific, Czech Republic, C Stephens; Thermo Fisher Scientific, UK, M Unčovský; Thermo Fisher Scientific, Czech Republic
Platform Session 10:30 (238)	11:00 Room 322	Introducing Lumis -A Novel EBSD detector	CJ Stephens, Z Pesic; Thermo Fisher Scientific, UK
Platform Session 10:30 (240)	11:30 Room 322	Sub-Å STEM Resolution from 30-300kV	M Bischoff, M Niestadt, V Altin, A Henstra, P Tiemeijer, B Freitag, C Maunders; Thermo Fisher Scientific, Netherlands, P Hartel; Corrected Electron Optical Systems GmbH, Germany, E Van Cappellen; Thermo Fisher Scientific, Netherlands et. al.
Platform Session 10:30 (241)	11:45 Room 322	Latest Developments in Environmental SEM Systems	EJR Vesseur; Thermo Fisher Scientific, Netherlands
Platform Session 10:30 (251)	11:45 Room 349	Electron Tomography of Hydroxyapatite Platelets in Atractosteus spatula Boney Scales	KJ Livi; Johns Hopkins University, T Lancon, C BouchetMarquis; Thermo Fisher Scientific
TUESDAY AFTERNOON			
SESSION	TIME/LOCATION	TITLE	AUTHORS
Platform Session 13:30 (306)	14:45 Room 345-6	<i>In Situ</i> Heating in SEM and FIB/SEM Systems	P Wandrol, L Novák, M Wu; Thermo Fisher Scientific, Czech Republic, EJ Vesseur; Thermo Fisher Scientific, Netherlands, T Vystavěl; Thermo Fisher Scientific, Czech Republic
Platform Session 13:30 (362)	14:30 Room 344	Role of Electron Illumination on the Image Resolution & Sensitivity of Catalysts Immersed in Gas Environments	SP Jespersen, S Helveg; Haldor Topsoe, Denmark, CD Damsgaard; Technical University of Denmark, M Ek; Lund University, Sweden, B Hendriksen, L Mele, P Dona; Thermo Fisher Scientific, Netherlands, J Jinschek; Ohio State University
Poster Session 15:00 (384)	15:00 Exhibit Hall	Poster #83: Thick (3D) Sample STEM Imaging at Nano Scale: iDPC and ADF Simultaneously	EG Bosch, I Lazić, E Yücelen, P Trompenaars; Thermo Fisher Scientific, Netherlands
Poster Session 15:00 (407)	15:00 Exhibit Hall	Poster #106: Quantitative Compositional Mapping and Multivariate Statistical Analysis: An EDS Approach	SM Seddio; Thermo Fisher Scientific, PK Carpenter; Washington University
Poster Session 15:00 (409)	15:00 Exhibit Hall	Poster #108: EDS Analysis at Low Beam Currents Facilitated by a Large Area Silicon Drift Detector	JJ McCarthy; University of Wisconsin-Madison, JF Konopka; Thermo Fisher Scientific
Poster Session 15:00 (413)	15:00 Exhibit Hall	Poster #112: The Performance of Energy-Dispersive X-Ray Analysis at High Temperatures Using a Windowless Multi-detector XEDS System	C Mitterbauer, M Ovsyanko, Y Rikers, B Freitag; Thermo Fisher Scientific, Netherlands
Poster Session 15:00 (447)	15:00 Exhibit Hall	Poster #147: Cryo-EM Structure of the Single-Ring Chaperonin from Bacteriophage OBP P. fluorescence	TB Stanishneva-Kononova, P Semenuyk; M.V. Lomonosov Moscow State University, Russian Federation, Y Pechnikova; Thermo Fisher Scientific, Netherlands, LP Kurochkona; ShemyakinOvchinnikov Institute of Bioorganic Chemistry, Russian Academy of Sciences, Russian Federation, OS Sokolova; M.V. Lomonosov Moscow State University, Russian Federation

WEDNESDAY MORNING			
SESSION	TIME/LOCATION	TITLE	AUTHORS
Platform Session 08:30 (545)	09:30 Room 327	Lithium Detection in a Binary Al-20 wt% Li Alloy Powder with a New Windowless SDD EDS Detector and EELS	VP Oleshko; National Institute of Standards and Technology, SM Seddio, R Newton; Thermo Fisher Scientific, CL Soles, JJ McClelland; National Institute of Standards and Technology
Platform Session 08:30 (547)	09:30 Room 326	(Invited) Utilizing Correlative, Multi-Technique Surface Analysis to Complement Microscopy Studies	TS Nunney, C Deeks, P Mack, R Simpson, C Stephens; Thermo Fisher Scientific, United Kingdom
Poster Session 08:30 (631)	11:15 Room 326	<i>In Situ</i> Low Energy Argon Ion Source for the Improvement of EBSD Pattern Acquisition	Thermo Fisher Scientific, Czech Republic, A Prokhotseva; Thermo Fisher Scientific, Netherlands, T Vystavel; Thermo Fisher Scientific, Czech Republic
Poster Session 10:30 (626)	11:30 Room 327	Advances in SDD-Based EDS and Comparisons to WDS for Light Element Sensitivity	K Thompson; Thermo Fisher Scientific
Poster Session 10:30 (659)	11:00 Room 340	<i>In Situ</i> TEM Study of Diffusion Kinetics in Al/Ni Nanomaterials	Thermo Fisher Scientific, S Rouvimov; University of Notre Dame
WEDNESDAY AFTERNOON			
SESSION	TIME/LOCATION	TITLE	AUTHORS
Platform Session 10:30 (698)	14:45 Room 340	Control and In Situ imaging of Heat & Gas Mediated Processes in FIB/SEM System	L Novák; Thermo Fisher Scientific, Czech Republic, M Kolibal; Central European Institute of Technology – CEITEC, Czech Republic, M Wu, P Wandrol, T Vystavel; Thermo Fisher Scientific, Czech Republic
Platform Session 13:30 (702)	14:45 Room 349	To Cryo-Cycle or Not to Cryo-Cycle: That is the Question!	A Cheng, W Rice, E Eng; New York Structural Biology Center, LM Alink; Thermo Fisher Scientific
Poster Session 15:00 (783)	15:00 Exhibit Room	Poster #251: Light/Electron Microscopy Correlative Workflow Involving Leica Stage Overview and Thermo Fisher/FEI MAPS Platforms Facilitate Neuronal Identification	CA Brantner, Y Lilach, C Clarkson, P Mistry, L Matsiyevskiy, B Karpinski, A Popratiloff; George Washington University
Poster Session 15:00 (796)	15:00 Exhibit Room	Poster #264: Failure Analysis of CIGS Solar Cells by SEM/EDS	JF Konopka; Thermo Fisher Scientific
Poster Session 15:00 (846)	15:00 Exhibit Room	Poster #314: Study of the Crystalline and Mesoporous Structure of a Heterogeneous Catalyst (ZSM-5) in Relation to Al, Si and Other Heteroatom, Distribution by Transmission Electron Microscopy	Y Wang, M Kulzick; BP Amoco Chemical Company, A Carlsson; Thermo Fisher Scientific, Netherlands
Poster Session 15:00 (854)	15:00 Exhibit Room	Poster #322: Automated Search for SiC Grains in Meteorite Cross Sections by SEM/EDS	JF Konopka; Thermo Fisher Scientific
THURSDAY MORNING			
SESSION	TIME/LOCATION	TITLE	AUTHORS
Platform Session 08:30 (914)	08:45 Room 338	(M&M POSTDOCTORAL SCHOLAR) The Role of Spatial Coherence for the Creation of Atom-Size Electron Vortex Beams	D Pohl; Technical University Dresden, Germany, S Löffler; Technical University Wien, Austria, S Schneider; Leibniz Institute for Solid State and Materials Research, Dresden, Germany, P Tiemeijer, S Lazar; Thermo Fisher Scientific, Netherlands, K Nielsch; IFW Dresden, Germany, B Rellinghaus; Technical University Dresden, Germany
Platform Session 08:30 (958)	10:00 Room 338	Poster #352: Sunlight Active Perovskites (TiO <sub>2</sub> -CoTiO <sub>3</sub> ) with Effective Dye Degradation and Water Splitting	M Sighn, W Yang, J Bao, F Qin; University of Houston, A Genc; Thermo Fisher Scientific, FC Robles Hernandez; University of Houston
Platform Session 08:30 (1019)	10:00 Room 338	Poster #413: Investigation of Slice Thickness for FIB Tomography in a Plasma-Focused Ion Beam System	B Van Leer, R Kelley; Thermo Fisher Scientific, B Winiarski; Thermo Fisher Scientific, Czech Republic
Poster Session 10:00 (1025)	10:00 Exhibit Hall	Poster #419: High Resolution Cryo-TEM Single-Particle Averaging Reconstruction with Beam-Image Shift	A Cheng, E Eng; New York Structural Biology Center, M Alink; Thermo Fisher Scientific, W Rice, K Jordan, L Kim, CS Potter, B Carragher; New York Structural Biology Center
Poster Session 13:30 (1081)	14:00 Room 322	Investigation of Cracking in Additively Manufactured IN718 by Correlative Tomography	B Winiarski, G Pyka; Thermo Fisher Scientific, Czech Republic, AC Wade; University of Manchester, UK, A Chirazi, D Lichau; Thermo Fisher Scientific, France, GM Burke, PJ Withers; The University of Manchester, UK
Poster Session 13:30 (1146)	16:15 Room 339	Low Dose Imaging Using Simultaneous iDPC- and ADF-STEM for Beam Sensitive Crystalline Structures	A Carlsson, I Alexandrou, E Yücelen, EG Bosch; Thermo Fisher Scientific, Netherlands, I Lazić; Thermo Fischer Scientific, Netherlands