

M&M²⁰²⁴ Week At-A-Glance



**MICROSCOPY &
MICROANALYSIS**
July 28-August 1 • Cleveland, OH

Friday, July 26–Saturday, July 27

8:00 AM – 5:30 PM	MSA Council	<i>Huntington Convention Center</i>
9:00 AM – 5:30 PM	Pre-Meeting Congress	
	X60 Annual Pre-Meeting Congress for Students, Post-Docs, and Early-Career Professionals in Microscopy & Microanalysis (<i>Organized by the MSA Student Council</i>)	

Sunday, July 28

8:30 AM – 5:00 PM	Sunday Short Courses	
	X10 Guidelines for Performing 4D-STEM Characterization from the Atomic to Micrometer Scales: Experimental Considerations, Data Analysis	
	X11 Cryo-EM for Materials Sciences: Hardware, Applications and Data Acquisition	
	X12 Transmission Electron Microscopy and Spectroscopy from First Principles	
	X13 Automated Experiments in Electron Microscopy	
	X14 From Obscure to Clear: A Dive into Tissue Clearing and Expansion Microscopy	
	X15 Focused Ion Beam Theory & Methods	
8:30 AM – 5:00 PM	Pre-Meeting Congress	
	X61 Synergy of Hardware Innovations and Computational Breakthroughs in TEM (<i>Organized by the MSA Abberation-Corrected Electron Microscopy Data Analysis & Management Focused Interest Groups</i>)	
	X62 Obtaining Reliable and Relevant Insights in Our <i>In Situ</i> Microscopy and Spectroscopy Studies of Reactions in Liquids and Gases: A Discussion on Re-reproducibility, Robustness and Rigor (<i>Organized by the MSA Electron Microscopy in Liquids and Gases Focused Interest Group</i>)	
6:30 PM – 8:30 PM	M&M 2024 Welcome Reception	<i>Grand Ballroom B-C</i>
8:30 PM – 10:00 PM	Symposium Organizers' Reception	<i>Offsite (by invitation only)</i>

Monday, July 29

7:15 AM – 8:15 AM	MSA Awards + Fellowship Committees	
7:15 AM – 8:15 AM	Technologists' Forum Board	
7:15 AM – 8:15 AM	Travel Awards Committee	
7:15 AM – 8:15 AM	FIG: Electron Microscopy in Liquids and Gases	
8:30 AM – 12:00 PM	M&M 2024 Plenary Sessions	<i>Grand Ballroom A</i>
	Opening Welcome	
	Plenary Talk #1:	
	Ed Boyden, PhD <i>Professor, Departments of Brain and Cognitive Sciences, Media Arts and Sciences, and Biological Engineering, Y. Eva Tan Professor in Neurotechnology, McGovern Institute and HHMI</i>	
	Tools for Analyzing and Controlling Biological Systems	
	MAS Awards Presentation MSA Awards Presentation M&M Meeting Awards Presentation	
	Plenary Talk #2:	
	C. Wren Carr, PhD <i>Physicist, Lawrence Livermore National Laboratory</i>	
	How Microscopy Enabled Laboratory Fusion	
12:00 PM – 1:30 PM	Lunch Break in the Exhibit Hall	
12:00 PM – 5:30 PM	Exhibit Hall Open	

For an up-to-date schedule and meeting room locations, please check www.microscopy.org/mandm/2024 or the mobile app.

Monday, July 29 (Cont'd.)

12:15 PM – 1:15 PM	MSA International Committee
12:15 PM – 1:15 PM	MAS Meal with a Mentor
12:15 PM – 1:15 PM	FIG: Pharmaceutical
12:15 PM – 1:15 PM	FIG: Diagnostic & Biological Microscopy
12:15 PM – 1:15 PM	FIG: Focused Ion Beam
12:15 PM – 1:15 PM	FIG: Atom Probe Field Ion Microscopy
12:15 PM – 1:15 PM	FIG: FOM Roundtable
1:30 PM – 3:00 PM	P.M. Symposia & Sessions
	A02.1 Data Science and Atom Probe Tomography (IFES-Organized)
	A08.1 New Opportunities in Material Science – Multi-dimensional Imaging and Advanced Data Processing
	A09.1 Automation in Microscopy from Image Acquisition to Image Analysis, Data Visualization, and Management
	A10.1 Correlative Analysis and Multimodal Microscopy and Spectroscopy
	B02.1 Biological Applications of Quantitative Label-Free Imaging
	B03.1 Biomedical Research on Diseases in Humans, Plants and Animals using Electron and Light Microscopy
	B09.1 Volume Electron Microscopy
	C01.1 Emerging 4D STEM Techniques in Materials and Biological Sciences
	C02.1 Facilities Management: Crucial Skills and Strategies
	C06.1 Memorial Symposium: Lena Fitting Kourkoutis
	P02.1 Memorial Symposium: Terence E. Mitchell
	P03.1 Electron Microscopy of Advanced Functional Materials
	P05.1 Advanced Imaging and Spectroscopy Beyond Room Temperature
	P06.1 Visualizing Electronically Driven Dynamics Across Spatiotemporal Scales: From <i>In-situ</i> to Ultrafast
3:00 PM – 5:00 PM	Monday Poster Presentations <i>Post-Deadline Posters will be presented on this day.</i>
	A02.P1 Data Science and Atom Probe Tomography (<i>IFES-Organized</i>)
	A08.P1 New Opportunities in Material Science—Multi-dimensional Imaging and Advanced Data Processing
	A10.P1 Correlative Analysis and Multimodal Microscopy and Spectroscopy
	B02.P1 Biological Applications of Quantitative Label-Free Imaging
	B03.P1 Biomedical Research on Diseases in Humans, Plants and Animals using Electron and Light Microscopy
	C01.P1 Emerging 4D STEM Techniques in Materials and Biological Sciences
	C07.P1 Lens on Diversity in the Microscopy and Microanalysis Community
	P03.P1 Electron Microscopy of Advanced Functional Materials
	P06.P1 Visualizing Electronically Driven Dynamics Across Spatiotemporal Scales: From <i>In-situ</i> to Ultrafast
	P10.P1 <i>In Situ</i> and Cryogenic Electron Microscopy and Spectroscopy for Energy Materials
PDP.P1 Post Deadline Posters	
3:30 PM – 4:30 PM	FIG: 3D EM in the Biological Sciences
3:30 PM – 5:00 PM	Technologists' Forum Business Meeting
4:30 PM – 6:00 PM	MSA Book Elements
5:00 PM – 5:30 PM	Student Poster Awards
5:30 PM – 7:00 PM	Student Mixer
5:45 PM – 6:45 PM	Vendor Tutorials (<i>Sign up at individual exhibitors' booths</i>)

Tuesday, July 30

7:15 AM – 8:15 AM	MSA Local Affiliated Societies & MAS Affiliated Regional Societies
7:15 AM – 8:15 AM	Microscopy Today Editorial Board Meeting
7:15 AM – 8:15 AM	MSA Standards Committee
7:15 AM – 8:15 AM	FIG: Electron Crystallography
7:15 AM – 8:15 AM	FIG: Low Temperature Electron Microscopy
8:30 AM – 10:00 AM	A.M. Symposia & Sessions
	A02.2 Data Science and Atom Probe Tomography (<i>IFES-Organized</i>)
	A08.2 New Opportunities in Material Science—Multi-dimensional Imaging and Advanced Data Processing
	A09.2 Automation in Microscopy from Image Acquisition to Image Analysis, Data Visualization, and Management
	A10.2 Correlative Analysis and Multimodal Microscopy and Spectroscopy
	B02.2 Biological Applications of Quantitative Label-Free Imaging
	B03.2 Biomedical Research on Diseases in Humans, Plants and Animals using Electron and Light Microscopy
	B09.2 Volume Electron Microscopy
	C01.2 Emerging 4D STEM Techniques in Materials and Biological Sciences
	C02.2 Facilities Management: Crucial Skills and Strategies
	C06.2 Memorial Symposium: Lena Fitting Kourkoutis
	P02.2 Memorial Symposium: Terence E. Mitchell
	P03.2 Electron Microscopy of Advanced Functional Materials
	P05.2 Advanced Imaging and Spectroscopy Beyond Room Temperature
	P06.2 Visualizing Electronically Driven Dynamics Across Spatiotemporal Scales: From <i>In-situ</i> to Ultrafast
	P07.1 Understanding Structure-Property Relationships in Quantum Materials with Emerging Electron Microscopy Methods
	P09.1 Advances in <i>In Situ</i> TEM Characterization of Dynamic Processes in Materials
10:00 AM – 10:30 AM	Coffee Break in the Exhibit Hall
10:00 AM – 5:30 PM	Exhibit Hall Open
10:00 AM – 12:00 PM	M&M 2025 Symposium Organizers' Planning Meeting
10:30 AM – 12:00 PM	A.M. Symposia & Sessions
	A02.3 Data Science and Atom Probe Tomography (<i>IFES-Organized</i>)
	A08.3 New Opportunities in Material Science—Multi-dimensional Imaging and Advanced Data Processing
	A09.3 Automation in Microscopy from Image Acquisition to Image Analysis, Data Visualization, and Management
	A10.3 Correlative Analysis and Multimodal Microscopy and Spectroscopy
	B01.1 3D Structures: from Macromolecular Assemblies to Whole Cells (3DEM FIG)
	B03.3 Biomedical Research on Diseases in Humans, Plants and Animals using Electron and Light Microscopy
	B09.3 Volume Electron Microscopy
	C01.3 Emerging 4D STEM Techniques in Materials and Biological Sciences
	C02.3 Facilities Management: Crucial Skills and Strategies
	C06.3 Memorial Symposium: Lena Fitting Kourkoutis
	P02.3 Memorial Symposium: Terence E. Mitchell
	P05.3 Advanced Imaging and Spectroscopy Beyond Room Temperature

Tuesday, July 30 (Cont'd.)

10:30 AM – 12:00 PM	A.M. Symposia & Sessions cont.
	<p>P06.3 Visualizing Electronically Driven Dynamics Across Spatiotemporal Scales: From <i>In-situ</i> to Ultrafast</p> <hr/> <p>P07.2 Understanding Structure-Property Relationships in Quantum Materials with Emerging Electron Microscopy Methods</p> <hr/> <p>P09.2 Advances in <i>In Situ</i> TEM Characterization of Dynamic Processes in Materials</p>
12:00 PM – 1:30 PM	Lunch Break in the Exhibit Hall
12:15 PM – 1:00 PM	MSA Distinguished Scientist Awardee Lecture
12:15 PM – 1:15 PM	FIG: FOM FIG Lunch Meeting
1:30 PM – 3:00 PM	P.M. Symposia & Sessions
	<p>A03.1 Expanding Capabilities of Atom Probe Tomography (<i>IFES-Organized</i>)</p> <hr/> <p>A07.1 Triumphs, Trials, and Trepidations in Quantifying Low-Z Elements with Microanalytical Methods</p> <hr/> <p>A08.4 New Opportunities in Material Science – Multi-dimensional Imaging and Advanced Data Processing</p> <hr/> <p>A09.4 Automation in Microscopy from Image Acquisition to Image Analysis, Data Visualization, and Management</p> <hr/> <p>A10.4 Correlative Analysis and Multimodal Microscopy and Spectroscopy</p> <hr/> <p>B01.2 3D Structures: from Macromolecular Assemblies to Whole Cells (3DEM FIG)</p> <hr/> <p>B03.4 Biomedical Research on Diseases in Humans, Plants and Animals using Electron and Light Microscopy</p> <hr/> <p>B09.4 Volume Electron Microscopy</p> <hr/> <p>C01.4 Emerging 4D STEM Techniques in Materials and Biological Sciences</p> <hr/> <p>C06.4 Memorial Symposium: Lena Fitting Kourkoutis</p> <hr/> <p>P02.4 Memorial Symposium: Terence E. Mitchell</p> <hr/> <p>P03.3 Electron Microscopy of Advanced Functional Materials</p> <hr/> <p>P04.1 Science and Applications of High-Entropy Materials</p> <hr/> <p>P05.4 Advanced Imaging and Spectroscopy Beyond Room Temperature</p> <hr/> <p>P06.4 Visualizing Electronically Driven Dynamics Across Spatiotemporal Scales: From <i>In-situ</i> to Ultrafast</p> <hr/> <p>P07.3 Understanding Structure-Property Relationships in Quantum Materials with Emerging Electron Microscopy Methods</p> <hr/> <p>P09.3 Advances in <i>In Situ</i> TEM Characterization of Dynamic Processes in Materials</p>
3:00 PM – 5:00 PM	Tuesday Poster Presentations <i>Exhibit Hall</i>
	<p>A08.P2 New Opportunities in Material Science – Multi-dimensional Imaging and Advanced Data Processing</p> <hr/> <p>A09.P1 Automation in Microscopy from Image Acquisition to Image Analysis, Data Visualization, and Management</p> <hr/> <p>A10.P2 Correlative Analysis and Multimodal Microscopy and Spectroscopy</p> <hr/> <p>B01.P1 3D Structures: from Macromolecular Assemblies to Whole Cells (3DEM FIG)</p> <hr/> <p>B09.P1 Volume Electron Microscopy</p> <hr/> <p>C01.P2 Emerging 4D STEM Techniques in Materials and Biological Sciences</p> <hr/> <p>C02.P1 Facilities Management: Crucial Skills and Strategies</p> <hr/> <p>P01.P1 Innovative Magnetic Imaging</p> <hr/> <p>P03.P2 Electron Microscopy of Advanced Functional Materials</p>

Tuesday, July 30 (Cont'd.)

3:00 PM – 5:00 PM	Tuesday Poster Presentations	Exhibit Hall
	P04.P1 Science and Applications of High-Entropy Materials	
	P09.P1 Advances in <i>In Situ</i> TEM Characterization of Dynamic Processes in Materials	
3:30 PM – 4:30 PM	FIG Business Meeting	
3:30 PM – 4:30 PM	MSA Education Committee	
5:00 PM – 5:30 PM	Student Poster Awards	Exhibit Hall Poster Stage
5:45 PM – 6:45 PM	Vendor Tutorials (<i>Sign up at exhibitors' booths</i>)	
6:30 PM – 8:30 PM	Presidents' Reception (<i>Invitation Only</i>)	Offsite

Wednesday, July 31

7:15 AM – 8:15 AM	MaM Editorial Board
7:15 AM – 8:15 AM	MSA Certification Board
7:15 AM – 8:15 AM	MSA Membership Committee
7:15 AM – 8:15 AM	FIG: Aberration Corrected Electron Microscopy
8:30 AM – 10:00 AM	A.M. Symposia & Sessions
	A03.2 Expanding Capabilities of Atom Probe Tomography (IFES-Organized)
	A07.2 Triumphs, Trials, and Trepidations in Quantifying Low-Z Elements with Microanalytical Methods
	A08.5 New Opportunities in Material Science—Multi-dimensional Imaging and Advanced Data Processing
	A09.5 Automation in Microscopy from Image Acquisition to Image Analysis, Data Visualization, and Management
	A10.5 Correlative Analysis and Multimodal Microscopy and Spectroscopy
	B01.3 3D Structures: from Macromolecular Assemblies to Whole Cells (3DEM FIG)
	B06.1 Imaging, Microscopy, and Micro/Nano-Analysis of Pharmaceutical, Biopharmaceutical, and Medical Health Products—Research, Development, Analysis, Regulation, and Commercialization
	C01.5 Emerging 4D STEM Techniques in Materials and Biological Sciences
	C06.5 Memorial Symposium: Lena Fitting Kourkoutis
	C08.1 Vendor Symposium
	P02.5 Memorial Symposium: Terence E. Mitchell
	P03.4 Electron Microscopy of Advanced Functional Materials
	P04.2 Science and Applications of High-Entropy Materials
	P05.5 Advanced Imaging and Spectroscopy Beyond Room Temperature
	P07.4 Understanding Structure-Property Relationships in Quantum Materials with Emerging Electron Microscopy Methods
	P09.4 Advances in <i>In Situ</i> TEM Characterization of Dynamic Processes in Materials
P11.1 Frontiers in Electron Tomography	
X40 Computational Microscopy: Label-Free Imaging	
10:00 AM – 10:30 AM	Coffee Break in the Exhibit Hall
10:00 AM – 5:30 PM	Exhibit Hall Open
10:30 AM – 12:00 PM	A.M. Symposia & Sessions (Cont'd.)
	A03.3 Expanding Capabilities of Atom Probe Tomography (IFES-Organized)
	A07.3 Triumphs, Trials, and Trepidations in Quantifying Low-Z Elements with Microanalytical Methods
	A09.6 Automation in Microscopy from Image Acquisition to Image Analysis, Data Visualization, and Management
A10.6 Correlative Analysis and Multimodal Microscopy and Spectroscopy	

For an up-to-date schedule and meeting room locations, please check www.microscopy.org/mandm/2024 or the mobile app.

Wednesday, July 31 (Cont'd.)

10:30 AM – 12:00 PM	A.M. Symposia & Sessions (Cont'd.)
	<p>A11.1 Perspectives from Complementary SEM Techniques: STEM-in-SEM Analytics and High-throughput Multi-beam Imaging</p> <hr/> <p>B01.4 3D Structures: from Macromolecular Assemblies to Whole Cells (3DEM FIG)</p> <hr/> <p>B06.2 Imaging, Microscopy, and Micro/Nano-Analysis of Pharmaceutical, Biopharmaceutical, and Medical Health Products—Research, Development, Analysis, Regulation, and Commercialization</p> <hr/> <p>C01.6 Emerging 4D STEM Techniques in Materials and Biological Sciences</p> <hr/> <p>C06.6 Memorial Symposium: Lena Fitting Kourkoutis</p> <hr/> <p>C08.2 Vendor Symposium</p> <hr/> <p>P03.5 Electron Microscopy of Advanced Functional Materials</p> <hr/> <p>P04.3 Science and Applications of High-Entropy Materials</p> <hr/> <p>P05.6 Advanced Imaging and Spectroscopy Beyond Room Temperature</p> <hr/> <p>P07.5 Understanding Structure-Property Relationships in Quantum Materials with Emerging Electron Microscopy Methods</p> <hr/> <p>P09.5 Advances in <i>In Situ</i> TEM Characterization of Dynamic Processes in Materials</p> <hr/> <p>P11.2 Frontiers in Electron Tomography</p> <hr/> <p>X30 Exploring New Methods in Volume Electron Microscopy (vEM) <i>Technologists Forum Session</i></p> <hr/> <p>X41 Diffraction Contract Microscopy: Then and Now</p>
12:00 PM – 1:30 PM	Lunch Break in the Exhibit Hall
12:15 PM – 1:15 PM	MSA Members' Meeting
1:30 PM – 3:00 PM	P.M. Symposia & Sessions
	<p>A01.1 Advances in Cathodoluminescence Spectroscopy and Analysis</p> <hr/> <p>A06.1 Electronic and Thermal Device Characterization with Electron Microscopy</p> <hr/> <p>A09.7 Automation in Microscopy from Image Acquisition to Image Analysis, Data Visualization, and Management</p> <hr/> <p>A10.7 Correlative Analysis and Multimodal Microscopy and Spectroscopy</p> <hr/> <p>A11.2 Perspectives from Complementary SEM Techniques: STEM-in-SEM Analytics and High-throughput Multi-beam Imaging</p> <hr/> <p>B01.5 3D Structures: from Macromolecular Assemblies to Whole Cells (3DEM FIG)</p> <hr/> <p>C03.1 Interdisciplinary Analysis of Soft/Hybrid/Bio Materials Using Advanced Focused Ion Beam Methods and Multimodal Microscopy Techniques</p> <hr/> <p>C05.1 Correlative Microscopy Using Light, Electron, and X-ray Microscopy</p> <hr/> <p>C08.3 Vendor Symposium</p> <hr/> <p>P01.1 Innovative Magnetic Imaging</p> <hr/> <p>P03.6 Electron Microscopy of Advanced Functional Materials</p> <hr/> <p>P04.4 Science and Applications of High-Entropy Materials</p> <hr/> <p>P07.6 Understanding Structure-Property Relationships in Quantum Materials with Emerging Electron Microscopy Methods</p> <hr/> <p>P09.6 Advances in <i>In Situ</i> TEM Characterization of Dynamic Processes in Materials</p> <hr/> <p>P10.1 <i>In Situ</i> and Cryogenic Electron Microscopy and Spectroscopy for Energy Materials</p> <hr/> <p>P11.3 Frontiers in Electron Tomography</p> <hr/> <p>X32 Technologists' Forum Roundtable: Tips for Managing an EM Lab <i>Technologists Forum Session</i></p>
3:00 PM – 5:00 PM	Wednesday Poster Presentations <i>Exhibit Hall</i>
	<p>A03.P1 Expanding Capabilities of Atom Probe Tomography (IFES-Organized)</p> <hr/> <p>A07.P1 Triumphs, Trials, and Trepidations in Quantifying Low-Z Elements with Microanalytical Methods</p> <hr/> <p>A09.P2 Automation in Microscopy from Image Acquisition to Image Analysis, Data Visualization, and Management</p> <hr/> <p>A10.P3 Correlative Analysis and Multimodal Microscopy and Spectroscopy</p> <hr/> <p>B01.P2 3D Structures: from Macromolecular Assemblies to Whole Cells (3DEM FIG)</p>

Wednesday, July 31 (Cont'd.)

3:00 PM – 5:00 PM	Wednesday Poster Presentations <i>Exhibit Hall</i>
	B04.P1 Electron Microscopy in Education
	C03.P1 Interdisciplinary Analysis of Soft/Hybrid/Bio Materials Using Advanced Focused Ion Beam Methods and Multimodal Microscopy Techniques
	C05.P1 Correlative Microscopy Using Light, Electron, and X-ray Microscopy
	P03.P3 Electron Microscopy of Advanced Functional Materials
	P07.P1 Understanding Structure-Property Relationships in Quantum Materials with Emerging Electron Microscopy Methods
	P09.P2 Advances in <i>In Situ</i> TEM Characterization of Dynamic Processes in Materials
	P11.P1 Frontiers in Electron Tomography
5:00 PM	Student Poster Awards <i>Exhibit Hall - Poster Area Stage</i>
5:30 PM – 6:30 PM	MAS Business Meeting
5:30 PM – 6:30 PM	Diversity and Inclusion Mixer
5:45 PM – 6:45 PM	Vendor Tutorials (<i>Sign up at exhibitors' booths</i>)
6:30 PM – 8:30 PM	MAS Members' Social (<i>See MAS Booth for Details—Offsite</i>)

Thursday, August 1

8:30 AM – 9:30 AM	M&M Sustaining Members Meeting
8:30 AM – 10:00 AM	A.M. Symposia & Sessions
	A01.2 Advances in Cathodoluminescence Spectroscopy and Analysis
	A06.2 Electronic and Thermal Device Characterization with Electron Microscopy
	A10.8 Correlative Analysis and Multimodal Microscopy and Spectroscopy
	A11.3 Perspectives from Complementary SEM Techniques: STEM-in-SEM Analytics and High-throughput Multi-beam Imaging
	B04.1 Electron Microscopy in Education
	B07.1 Microscopy Uncovering Biological and Technological Details Towards Biomimetics
	C03.2 Interdisciplinary Analysis of Soft/Hybrid/Bio Materials Using Advanced Focused Ion Beam Methods and Multimodal Microscopy Techniques
	C04.1 Machine Learning-driven Automated Microscopy for Materials Discovery and Semiconductor Manufacturing
	C05.2 Correlative Microscopy Using Light, Electron, and X-ray Microscopy
	P01.2 Innovative Magnetic Imaging
	P03.7 Electron Microscopy of Advanced Functional Materials
	P07.7 Understanding Structure-Property Relationships in Quantum Materials with Emerging Electron Microscopy Methods
	P09.7 Advances in <i>In Situ</i> TEM Characterization of Dynamic Processes in Materials
	P10.2 <i>In Situ</i> and Cryogenic Electron Microscopy and Spectroscopy for Energy Materials
	P11.4 Frontiers in Electron Tomography
10:00 AM – 12:00 PM	Coffee Break and Poster Session in the Exhibit Hall
10:00 AM – 2:00 PM	Exhibit Hall Open
10:00 AM – 12:00 PM	Thursday Poster Presentations <i>Post-Deadline Posters will be presented on this day</i>
	A01.P1 Advances in Cathodoluminescence Spectroscopy and Analysis
	A05.P1 Microscopy and Microanalysis in Cultural Heritage Studies
	A06.P1 Electronic and Thermal Device Characterization with Electron Microscopy
	A11.P1 Perspectives from Complementary SEM Techniques: STEM-in-SEM Analytics and High-throughput Multi-beam Imaging

For an up-to-date schedule and meeting room locations, please check www.microscopy.org/mandm/2024 or the mobile app.

Thursday, August 1 (Cont'd.)

10:00 AM – 12:00 PM	Thursday Poster Presentations <i>Post-Deadline Posters will be presented on this day</i>
	<p>B06.P1 Imaging, Microscopy, and Micro/Nano-Analysis of Pharmaceutical, Biopharmaceutical, and Medical Health Products—Research, Development, Analysis, Regulation, and Commercialization</p> <hr/> <p>B07.P1 Microscopy Uncovering Biological and Technological Details Towards Biomimetics</p> <hr/> <p>C03.P2 Interdisciplinary Analysis of Soft/Hybrid/Bio Materials Using Advanced Focused Ion Beam Methods and Multimodal Microscopy Techniques</p> <hr/> <p>C04.P1 Machine Learning-driven Automated Microscopy for Materials Discovery and Semiconductor Manufacturing</p> <hr/> <p>P03.P4 Electron Microscopy of Advanced Functional Materials</p> <hr/> <p>P05.P1 Advanced Imaging and Spectroscopy Beyond Room Temperature</p> <hr/> <p>P07.P2 Understanding Structure-Property Relationships in Quantum Materials with Emerging Electron Microscopy Methods</p> <hr/> <p>P09.P3 Advances in <i>In Situ</i> TEM Characterization of Dynamic Processes in Materials</p> <hr/> <p>PDP.P2 Post Deadline Posters</p>
12:00 PM	Student Poster Awards <i>Exhibit Hall - Poster Area Stage</i>
12:15 PM – 1:15 PM	FIG: MicroAnalytical Standards
12:00 PM – 1:30 PM	Lunch Break
1:30 PM – 3:00 PM	P.M. Symposia & Sessions
	<p>A05.1 Microscopy and Microanalysis in Cultural Heritage Studies</p> <hr/> <p>A06.3 Electronic and Thermal Device Characterization with Electron Microscopy</p> <hr/> <p>A10.9 Correlative Analysis and Multimodal Microscopy and Spectroscopy</p> <hr/> <p>A11.4 Perspectives from Complementary SEM Techniques: STEM-in-SEM Analytics and High-throughput Multi-beam Imaging</p> <hr/> <p>B04.2 Electron Microscopy in Education</p> <hr/> <p>B07.2 Microscopy Uncovering Biological and Technological Details Towards Biomimetics</p> <hr/> <p>C03.3 Interdisciplinary Analysis of Soft/Hybrid/Bio Materials Using Advanced Focused Ion Beam Methods and Multimodal Microscopy Techniques</p> <hr/> <p>C04.2 Machine Learning-driven Automated Microscopy for Materials Discovery and Semiconductor Manufacturing</p> <hr/> <p>C05.3 Correlative Microscopy Using Light, Electron, and X-ray Microscopy</p> <hr/> <p>P01.3 Innovative Magnetic Imaging</p> <hr/> <p>P03.8 Electron Microscopy of Advanced Functional Materials</p> <hr/> <p>P07.8 Understanding Structure-Property Relationships in Quantum Materials with Emerging Electron Microscopy Methods</p> <hr/> <p>P10.3 <i>In Situ</i> and Cryogenic Electron Microscopy and Spectroscopy for Energy Materials</p>
3:00 PM – 3:30 PM	Coffee Break
3:30 PM – 5:30 PM	Late P.M. Symposia & Sessions cont.
	<p>A05.2 Microscopy and Microanalysis in Cultural Heritage Studies</p> <hr/> <p>A11.5 Perspectives from Complementary SEM Techniques: STEM-in-SEM Analytics and High-throughput Multi-beam Imaging</p> <hr/> <p>B04.3 Electron Microscopy in Education</p> <hr/> <p>C03.4 Interdisciplinary Analysis of Soft/Hybrid/Bio Materials Using Advanced Focused Ion Beam Methods and Multimodal Microscopy Techniques</p> <hr/> <p>C04.3 Machine Learning-driven Automated Microscopy for Materials Discovery and Semiconductor Manufacturing</p> <hr/> <p>C05.4 Correlative Microscopy Using Light, Electron, and X-ray Microscopy</p> <hr/> <p>P03.9 Electron Microscopy of Advanced Functional Materials</p> <hr/> <p>P10.4 <i>In Situ</i> and Cryogenic Electron Microscopy and Spectroscopy for Energy Materials</p>