Saturday, July 26

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

Sunday, July 27

8:30 AM – 5:00 PM	**Sunday Short Courses**	
	X10 EM Data Analysis with the HyperSpy Ecosystem	
	X11 Cryo-EM for Materials Sciences: Hardware, Applications and Data Acquisition	
	X12 Focused Ion Beam Theory & Methods	
	X13 Machine Learning for Electron Microscopy: from Data Analysis to Active Experiments	
	X14 From Obscure to Clear: A Dive into Tissue Clearing and Expansion Microscopy	
8:30 AM – 5:30 PM	**Pre-Meeting Congress**	
	X61 Transformative High-Resolution Cryo-Electron Microscopy ***Organized by the 3D Electron Microscopy in Biological Sciences (3DEM) Focused Interest Group***	
	X63 Management Training for Local Affiliated Society Leadership ***Organized by the MSA Local Affiliated Societies Focused Interest Group***	
	X64 Progress in Focused Ion Beam Technology and Practical Aspects for Cryo, Multi Modal, and Beam-Matter Interactionsr ***Organized by the MSA Focused Ion Beam Focused Interest Grou***	
6:30 PM – 8:30 PM	**M&M 2025 Welcome Reception**	*Hyatt Regency, Salt Lake Ballroom*
8:30 PM	**Symposium Organizers' Reception**	*Offsite (by invitation only)*

Monday, July 28

7:15 AM – 8:15 AM	**FIG FOM Meeting**	
7:15 AM – 8:15 AM	**Travel Awards Committee**	
8:30 AM – 12:00 PM	**Technologists' Forum Board**	
8:30 AM – 12:00 PM	**M&M 2025 Plenary Sessions**	*Ballroom, Salt Palace Convention Center*
	Opening Welcome	
	Plenary Talk #1: **Juan Carlos Idrobo, PhD** ***Associate Professor, University of Washington, Materials Science and Engineering*** **Technicolor at the Nanoscale is Heating Up: How Monochromation and Liquid He/N_2 Cryogenic Holders are Revolutionizing STEM**	
	MAS Awards Presentation MSA Awards Presentation M&M Meeting Awards Presentation	
	Plenary Talk #2: **Bridget Carragher, PhD** ***Founding Technical Director, Chan Zuckerberg Imaging Institute*** **Tools and Technologies for Cryo-EM and Cryo-ET**	
12:00 PM – 1:30 PM	**Lunch Break in the Exhibit Hall**	
12:00 PM – 5:30 PM	**Exhibit Hall Open**	
12:15 PM – 1:15 PM	**MAS Meal with a Mentor**	

For an up-to-date schedule and meeting room locations, please check **www.microscopy.org/mandm/2025** or the mobile app.

Monday, July 28 (Cont.)

12:15 PM – 1:15 PM	**MSA International Committee**
12:15 PM – 1:15 PM	**FIG: 3D EM in Biological Sciences**
12:15 PM – 1:15 PM	**FIG: Atom Probe Ion Microscopy**
12:15 PM – 1:15 PM	**FIG: EM in Liquids and Gases**
1:30 PM – 3:00 PM	**P.M. Symposia & Sessions**
	A01.1 Advances in Focused Ion Beam Instrumentation, Applications, and Techniques for Materials and Life Sciences
	A02.1 Frontiers of Electron Ptychography
	A06.1 Surface and Subsurface Microscopy and Microanalysis of Physical and Biological Specimens
	B01.1 3D Structures: from Macromolecular Assemblies to Whole Cells ***(3DEM FIG)***
	B06.1 Microscopy in Cell and Molecular Biology across the Americas ***(CIASEM)***
	P01.1 Advanced Characterization of Nuclear Fuels and Materials
	P03.1 Characterization of Collective Excitations by Electron Microscopy with High Spatial, Energy, Momentum, and Temporal Resolution
	P04.1 Energy Materials: Transport Pathways, Interfaces, & Durability for Performance
	P05.1 Advances in Imaging and Spectroscopy Beyond Ambient Conditions
	P10.1 Innovative *In situ* Imaging Techniques for Material Characterization, Synthesis, and Processing
	C01.1 Microscopy and Microanalysis of Interfaces and/or Interactions Among Organic and Inorganic Matter
	C07.1 Towards Functional Imaging of Materials: Advances and Insights from Phase Contrast Techniques
	X93 STEM Workshop
3:00 PM – 5:00 PM	**Monday Poster Presentations** *Post-Deadline Posters will be presented on this day.*
	A01.P1 Advances in Focused Ion Beam Instrumentation, Applications, and Techniques for Materials and Life Sciences
	A02.P1 Frontiers of Electron Ptychography
	A06.P1 Surface and Subsurface Microscopy and Microanalysis of Physical and Biological Specimens
	B06.P1 Microscopy in Cell and Molecular Biology across the Americas (CIASEM)
	P01.P1 Advanced Characterization of Nuclear Fuels and Materials
	P03.P1 Characterization of Collective Excitations by Electron Microscopy with High Spatial, Energy, Momentum, and Temporal Resolution
	P04.P1 Energy Materials: Transport Pathways, Interfaces, & Durability for Performance
	P04.P2 Energy Materials: Transport Pathways, Interfaces, & Durability for Performance
	P05.P1 Advances in Imaging and Spectroscopy Beyond Ambient Conditions
	C01.P1 Microscopy and Microanalysis of Interfaces and/or Interactions Among Organic and Inorganic Matter
	C02.P1 Lens on Diversity: Empowering Engagement in the Microscopy Sciences
	C07.P1 Towards Functional Imaging of Materials: Advances and Insights from Phase Contrast Techniques
3:30 PM – 5:00 PM	**Technologists' Forum Business Meeting**
4:30 PM – 6:00 PM	**MSA Elemental Microscopy**
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** *(Sign up at individual exhibitors' booths)*

Tuesday, July 29

7:15 AM – 8:15 AM	**MSA Local Affiliated Societies & MAS Affiliated Regional Societies**
7:15 AM – 8:15 AM	***Microscopy Today* Editorial Board**
7:15 AM – 8:15 AM	**MSA Standards Committee**
7:15 AM – 8:15 AM	**FIG: Low Temperature Electron Microscopy**
7:15 AM – 8:15 AM	**MSA Standards Committee**
8:30 AM – 10:00 AM	**A.M. Symposia & Sessions**
	A01.2 Advances in Focused Ion Beam Instrumentation, Applications, and Techniques for Materials and Life Sciences
	A02.2 Frontiers of Electron Ptychography
	A05.1 Latest Advances in Atom Probe Tomography
	A06.2 Surface and Subsurface Microscopy and Microanalysis of Physical and Biological Specimens
	A08.1 Next Generation Microanalysis Standards For EPMA and SEM-EDS Calibration
	A09.1 Quantitative Electron Diffraction for Materials Analysis, From Transmission Electron Diffraction to EBSD and ECCI
	B01.2 3D Structures: from Macromolecular Assemblies to Whole Cells (3DEM FIG)
	B05.1 Development, Challenges and Biomedical Applications of Tissue Clearing, Expansion Microscopy and Volumetric Imaging
	B06.2 Microscopy in Cell and Molecular Biology across the Americas (CIASEM)
	B08.2 Advances in Cryo-EM technology
	P01.2 Advanced Characterization of Nuclear Fuels and Materials
	P03.2 Characterization of Collective Excitations by Electron Microscopy with High Spatial, Energy, Momentum, and Temporal Resolution
	P04.2 Energy Materials: Transport Pathways, Interfaces, & Durability for Performance
	P05.2 Advances in Imaging and Spectroscopy Beyond Ambient Conditions
	P09.1 Unconventional Electron Probes
	P10.2 Innovative *In situ* Imaging Techniques for Material Characterization, Synthesis, and Processing
	C01.2 Microscopy and Microanalysis of Interfaces and/or Interactions Among Organic and Inorganic Matter
	C03.1 Microscopy and Microanalysis in Industry
	C07.2 Towards Functional Imaging of Materials: Advances and Insights from Phase Contrast Techniques
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	**M&M 2026 Symposium Organizers' Planning Meeting**
10:30 AM – 12:00 PM	**A.M. Symposia & Sessions**
	A01.3 Advances in Focused Ion Beam Instrumentation, Applications, and Techniques for Materials and Life Sciences
	A02.3 Frontiers of Electron Ptychography
	A04.1 Contributions of Analytical Electron Microscopy to Understanding Microstructural Evolution in Materials: James Bentley Memorial Symposium
	A05.2 Latest Advances in Atom Probe Tomography
	A06.3 Surface and Subsurface Microscopy and Microanalysis of Physical and Biological Specimens
	A08.2 Next Generation Microanalysis Standards For EPMA and SEM-EDS Calibration
	A09.2 Quantitative Electron Diffraction for Materials Analysis, From Transmission Electron Diffraction to EBSD and ECCI
	B01.3 3D Structures: from Macromolecular Assemblies to Whole Cells (3DEM FIG)
	B05.2 Development, Challenges and Biomedical Applications of Tissue Clearing, Expansion Microscopy and Volumetric Imaging

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Tuesday, July 29 (Cont.)

10:30 AM – 12:00 PM	**A.M. Symposia & Sessions cont.**
	P01.3 Advanced Characterization of Nuclear Fuels and Materials
	P03.3 Characterization of Collective Excitations by Electron Microscopy with High Spatial, Energy, Momentum, and Temporal Resolution
	P04.3 Energy Materials: Transport Pathways, Interfaces, & Durability for Performance
	P05.3 Advances in Imaging and Spectroscopy Beyond Ambient Conditions
	P08.1 Advanced Imaging, Diffraction, and Spectroscopy of Structurally or Chemically Disordered Materials
	P09.2 Unconventional Electron Probes
	P10.3 Innovative *In situ* Imaging Techniques for Material Characterization, Synthesis, and Processing
	C01.3 Microscopy and Microanalysis of Interfaces and/or Interactions Among Organic and Inorganic Matter
	C03.2 Microscopy and Microanalysis in Industry
	C07.3 Towards Functional Imaging of Materials: Advances and Insights from Phase Contrast Techniques
12:00 PM – 1:30 PM	**Lunch Break in the Exhibit Hall**
12:15 PM – 1:00 PM	**MSA Distinguished Scientist Awardee Lecture**
1:30 PM – 3:00 PM	**P.M. Symposia & Sessions**
	A01.4 Advances in Focused Ion Beam Instrumentation, Applications, and Techniques for Materials and Life Sciences
	A02.4 Frontiers of Electron Ptychography
	A04.2 Contributions of Analytical Electron Microscopy to Understanding Microstructural Evolution in Materials: James Bentley Memorial Symposium
	A05.3 Latest Advances in Atom Probe Tomography
	A06.4 Surface and Subsurface Microscopy and Microanalysis of Physical and Biological Specimens
	A09.3 Quantitative Electron Diffraction for Materials Analysis, From Transmission Electron Diffraction to EBSD and ECCI
	B01.4 3D Structures: from Macromolecular Assemblies to Whole Cells (3DEM FIG)
	B07.1 Cryo-Electron Tomography: Progress and Potential
	P01.4 Advanced Characterization of Nuclear Fuels and Materials
	P03.4 Characterization of Collective Excitations by Electron Microscopy with High Spatial, Energy, Momentum, and Temporal Resolution
	P04.4 Energy Materials: Transport Pathways, Interfaces, & Durability for Performance
	P05.4 Advances in Imaging and Spectroscopy Beyond Ambient Conditions
	P08.2 Advanced Imaging, Diffraction, and Spectroscopy of Structurally or Chemically Disordered Materials
	P09.3 Unconventional Electron Probes
	P10.4 Innovative *In situ* Imaging Techniques for Material Characterization, Synthesis, and Processing
	C01.4 Microscopy and Microanalysis of Interfaces and/or Interactions Among Organic and Inorganic Matter
	C03.3 Microscopy and Microanalysis in Industry
	C06.1 Advancements in Generative Artificial Intelligence and Automation for Electron Microscopy
	C07.4 Towards Functional Imaging of Materials: Advances and Insights from Phase Contrast Techniques
3:00 PM – 5:00 PM	**Tuesday Poster Presentations** *Exhibit Hall*
	A04.P1 Contributions of Analytical Electron Microscopy to Understanding Microstructural Evolution in Materials: James Bentley Memorial Symposium
	A05.P1 Latest Advances in Atom Probe Tomography
	A09.P1 Quantitative Electron Diffraction for Materials Analysis, From Transmission Electron Diffraction to EBSD and ECCI

Tuesday, July 29 (Cont.)

3:00 PM – 5:00 PM	**Tuesday Poster Presentations (Cont.)**	*Exhibit Hall*
	B05.P1 Development, Challenges and Biomedical Applications of Tissue Clearing, Expansion Microscopy and Volumetric Imaging	
	B08.P1 Advances in Cryo-EM Technology	
	P04.P4 **P04.P5** Energy Materials: Transport Pathways, Interfaces, & Durability for Performance	
	P08.P1 **P08.P2** Advanced Imaging, Diffraction, and Spectroscopy of Structurally or Chemically Disordered Materials	
	P09.P1 Unconventional Electron Probes	
	P10.P1 Innovative *In situ* Imaging Techniques for Material Characterization, Synthesis, and Processing	
	C03.P1 Microscopy and Microanalysis in Industry	
3:30 PM – 4:30 PM	**FIG Business Meeting**	
5:00 PM – 5:30 PM	**Student Poster Awards**	*Exhibit Hall Poster Stage*
5:45 PM – 6:45 PM	**Vendor Tutorials** *(Sign up at exhibitors' booths)*	
6:00 PM – 7:30 PM	**PostDoc & Early Career Development Event**	
6:30 PM	**Presidents' Reception** *(Invitation Only)*	*Offsite*

Wednesday, July 30

7:15 AM – 8:15 AM	**MaM Editorial Board**	
7:15 AM – 8:15 AM	**MSA Certification Board**	
8:30 AM – 10:00 AM	**A.M. Symposia & Sessions**	
	A02.5 Frontiers of Electron Ptychography	
	A03.1 When 4D-STEM Meets More Dimensions: Deepening Materials Insights with Efficient Experimental Design and Smart Computational Microscopy	
	A04.3 Contributions of Analytical Electron Microscopy to Understanding Microstructural Evolution in Materials: James Bentley Memorial Symposium	
	A06.5 Surface and Subsurface Microscopy and Microanalysis of Physical and Biological Specimens	
	A07.1 Advances in SEM Instrumentation, Application and Techniques	
	A09.4 Quantitative Electron Diffraction for Materials Analysis, From Transmission Electron Diffraction to EBSD and ECCI	
	B01.5 3D Structures: from Macromolecular Assemblies to Whole Cells (*3DEM FIG*)	
	B02.1 Biological Soft X-ray Tomography	
	B04.1 Emerging Advances in Light Microscopy of Fixed and Live Samples Below the Diffraction Limit	
	B07.2 Cryo-electron tomography: Progress and Potential	
	P03.5 Characterization of Collective Excitations by Electron Microscopy with High Spatial, Energy, Momentum, and Temporal Resolutions	
	P04.5 Energy Materials: Transport Pathways, Interfaces, & Durability for Performance	
	P05.5 Advances in Imaging and Spectroscopy Beyond Ambient Conditions	
	P06.1 Multimodal Data Acquisition and Analysis of Materials Under Real-Word Conditions Using Advanced Electron Microscopy	
	P08.3 Advanced Imaging, Diffraction, and Spectroscopy of Structurally or Chemically Disordered Materials	
	P10.5 Innovative *In situ* Imaging Techniques for Material Characterization, Synthesis, and Processing	
	C05.1 The Relevance and Advancement of Microscopy across the Americas (CIASEM)	
	C06.2 Advancements in Generative Artificial Intelligence and Automation for Electron Microscopy	
	C08.1 Vendor Symposia	
	TF|X30 Team of One	

Wednesday, July 30 (Cont.)

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**
	A03.2 When 4D-STEM Meets More Dimensions: Deepening Materials Insights with Efficient Experimental Design and Smart Computational Microscopy
	A04.4 Contributions of Analytical Electron Microscopy to Understanding Microstructural Evolution in Materials: James Bentley Memorial Symposium
	A06.6 Surface and Subsurface Microscopy and Microanalysis of Physical and Biological Specimens
	A07.2 Advances in SEM Instrumentation, Application and Techniques
	A09.5 Quantitative Electron Diffraction for Materials Analysis, From Transmission Electron Diffraction to EBSD and ECCI
	A10.1 Advances in Cryogenic Transmission Electron Microscopy and Spectroscopy for Energy and Quantum Materials and Technologies
	B02.2 Biological Soft X-ray Tomography
	B04.2 Emerging Advances in Light Microscopy of Fixed and Live Samples Below the Diffraction Limit
	B08.1 Advances in Cryo-EM technology
	P02.1 Electron Microscopy for Ferroic Materials: From Atomic-scale Imaging to *In situ* Control
	P04.6 Energy Materials: Transport Pathways, Interfaces, & Durability for Performance
	P05.6 Advances in Imaging and Spectroscopy Beyond Ambient Conditions
	P06.2 Multimodal Data Acquisition and Analysis of Materials Under Real-Word Conditions Using Advanced Electron Microscopy
	P07.1 High-Resolution Microscopy and Microanalysis of Materials subjected to Extreme Environments
	P08.4 Advanced Imaging, Diffraction, and Spectroscopy of Structurally or Chemically Disordered Materials
	P10.6 Innovative *In situ* Imaging Techniques for Material Characterization, Synthesis, and Processing
	C05.2 The Relevance and Advancement of Microscopy across the Americas (CIASEM)
	C06.3 Advancements in Generative Artificial Intelligence and Automation for Electron Microscopy
	C08.2 Vendor Symposia
	TF | X31 Working with Image Data
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**
	A03.3 When 4D-STEM Meets More Dimensions: Deepening Materials Insights with Efficient Experimental Design and Smart Computational Microscopy
	A04.5 Contributions of Analytical Electron Microscopy to Understanding Microstructural Evolution in Materials: James Bentley Memorial Symposium
	A07.3 Advances in SEM Instrumentation, Application and Techniques
	A09.6 Quantitative Electron Diffraction
	A10.2 Advances in Cryogenic Transmission Electron Microscopy and Spectroscopy for Energy and Quantum Materials and Technologies
	B02.3 Biological Soft X-ray Tomography
	B04.3 Emerging Advances in Light Microscopy of Fixed and Live Samples Below the Diffraction Limit
	B08.2 Advances in Cryo-EM Technology
	P02.2 Electron Microscopy for Ferroic Materials: From Atomic-scale Imaging to *In situ* Control
	P04.7 Energy Materials: Transport Pathways, Interfaces, & Durability for Performance
	P05.7 Advances in Imaging and Spectroscopy Beyond Ambient Conditions
	P06.3 Multimodal Data Acquisition and Analysis of Materials Under Real-Word Conditions Using Advanced Electron Microscopy

Wednesday, July 30 (Cont.)

1:30 PM – 3:00 PM	**P.M. Symposia & Sessions (Cont.)**	
	P07.2	High-Resolution Microscopy and Microanalysis of Materials subjected to Extreme Environments
	P08.5	Advanced Imaging, Diffraction, and Spectroscopy of Structurally or Chemically Disordered Materials
	P10.7	Innovative *In situ* Imaging Techniques for Material Characterization, Synthesis, and Processing
	C05.3	The Relevance and Advancement of Microscopy across the Americas (CIASEM)
	C06.4	Advancements in Generative Artificial Intelligence and Automation for Electron Microscopy
	C08.3	Vendor Symposia
	TF|X32	Mental Health in Microscopy
3:00 PM – 5:00 PM	**Wednesday Poster Presentations**	*Exhibit Hall*
	A07.P1	Advances in SEM Instrumentation, Application and Techniques
	B01.P1	3D Structures: from Macromolecular Assemblies to Whole Cells (3DEM FIG)
	B02.P1	Biological Soft X-ray Tomography
	B07.P1	Cryo-electron tomography: Progress and Potential
	P02.P1	Electron Microscopy for Ferroic Materials: From Atomic-scale Imaging to *In situ* Control
	P06.P1	Multimodal Data Acquisition and Analysis of Materials Under Real-Word Conditions Using Advanced Electron Microscop7
	P07.P1	High-Resolution Microscopy and Microanalysis of Materials subjected to Extreme Environments
	P08.P3	Advanced Imaging, Diffraction, and Spectroscopy of Structurally or Chemically Disordered Materials
	P10.P1	Innovative *In situ* Imaging Techniques for Material Characterization, Synthesis, and Processing
	C05.P1	The Relevance and Advancement of Microscopy across the Americas (CIASEM)
	C06.P1	Advancements in Generative Artificial Intelligence and Automation for Electron Microscopy
5:00 PM – 5:30 PM	**Student Poster Awards**	*Exhibit Hall - Poster Area Stage*
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** *(Sign up at exhibitors' booths)*	
6:30 PM – 8:00 PM	**CIASEM General Assembly**	
6:30 PM – 8:30 PM	**MAS Members' Social** *(See MAS Booth for Details—Offsite)*	
8:30 PM	**CIASEM Social Reception** *(Offsite)*	

Thursday, July 31

8:30 AM – 9:30 AM	**M&M Sustaining Members Meeting**	
8:30 AM – 10:00 AM	**A.M. Symposia & Sessions**	
	A03.4	When 4D-STEM Meets More Dimensions: Deepening Materials Insights with Efficient Experimental Design and Smart Computational Microscopy
	A07.4	Advances in SEM Instrumentation, Application and Techniques
	A09.7	Quantitative Electron Diffraction for Materials Analysis, From Transmission Electron Diffraction to EBSD and ECCI
	A10.3	Advances in Cryogenic Transmission Electron Microscopy and Spectroscopy for Energy and Quantum Materials and Technologies
	B03.1	Application of Microscopy Techniques for Research and Diagnosis of Diseases in Humans, Plants and Animals

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Thursday, July 31 (Cont.)

8:30 AM – 10:00 AM	**A.M. Symposia & Sessions**	
	B08.3	Advances in Cryo-EM technology
	P02.3	Electron Microscopy for Ferroic Materials: From Atomic-scale Imaging to *In situ* Control
	P04.8	Energy Materials: Transport Pathways, Interfaces, & Durability for Performance
	P05.8	Advances in Imaging and Spectroscopy Beyond Ambient Conditions
	P06.4	Multimodal Data Acquisition and Analysis of Materials Under Real-Word Conditions Using Advanced Electron Microscopy
	P07.3	High-Resolution Microscopy and Microanalysis of Materials Subjected to Extreme Environments
	P08.6	Advanced Imaging, Diffraction, and Spectroscopy of Structurally or Chemically Disordered Materials
	P10.8	Innovative *In situ* Imaging Techniques for Material Characterization, Synthesis, and Processing
	C02.1	Lens on Diversity: Empowering Engagement in the Microscopy Sciences
	C06.5	Advancements in Generative Artificial Intelligence and Automation for Electron Microscopy
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**	*Post-Deadline Posters will be presented on this day*
	A03.P1	When 4D-STEM Meets More Dimensions: Deepening Materials Insights with Efficient Experimental Design and Smart Computational Microscopy
	A07.P2	Surface and Subsurface Microscopy and Microanalysis of Physical and Biological Specimens
	A08.P1	Next Generation Microanalysis Standards For EPMA and SEM-EDS Calibration
	A10.P1	Advances in Cryogenic Transmission Electron Microscopy and Spectroscopy for Energy and Quantum Materials and Technologies
	B03.P1	Application of Microscopy Techniques for Research and Diagnosis of Diseases in Humans, Plants and Animals
	P10.P2	Innovative *In situ* Imaging Techniques for Material Characterization, Synthesis, and Processing
	C05.P2	The Relevance and Advancement of Microscopy across the Americas (CIASEM)
	C06.P2	Advancements in Generative Artificial Intelligence and Automation for Electron Microscopy
12:00 PM	**Student Poster Awards**	*Exhibit Hall - Poster Area Stage*
12:15 PM – 1:15 PM	**FIG: Microanalytical Standards**	
12:15 PM – 1:15 PM	**FIG: Aberration Corrected EM (ACEM)**	
12:00 PM – 1:30 PM	**Lunch Break**	
1:30 PM – 3:00 PM	**P.M. Symposia & Sessions**	
	A03.5	When 4D-STEM Meets More Dimensions: Deepening Materials Insights with Efficient Experimental Design and Smart Computational Microscopy
	A07.5	Advances in SEM Instrumentation, Application and Techniques
	A09.8	Quantitative Electron Diffraction for Materials Analysis, From Transmission Electron Diffraction to EBSD and ECCI
	A10.4	Advances in Cryogenic Transmission Electron Microscopy and Spectroscopy for Energy and Quantum Materials and Technologies
	B03.2	Application of Microscopy Techniques for Research and Diagnosis of Diseases in Humans, Plants and Animals
	B08.4	Advances in Cryo-EM technology

Thursday, July 31 (Cont.)

1:30 PM – 3:00 PM	**P.M. Symposia & Sessions**	
	P02.4	Electron Microscopy for Ferroic Materials: From Atomic-scale Imaging to *In situ* Control
	P06.5	Multimodal Data Acquisition and Analysis of Materials Under Real-Word Conditions Using Advanced Electron Microscopy
	P07.4	High-Resolution Microscopy and Microanalysis of Materials Subjected to Extreme Environments
	P08.7	Advanced Imaging, Diffraction, and Spectroscopy of Structurally or Chemically Disordered Materials
	P10.9	Innovative *In situ* Imaging Techniques for Material Characterization, Synthesis, and Processing
	C06.6	Advancements in Generative Artificial Intelligence and Automation for Electron Microscopy
3:00 PM – 3:30 PM	**Coffee Break**	
3:30 PM – 5:30 PM	**Late P.M. Symposia & Sessions**	
	A03.6	When 4D-STEM Meets More Dimensions: Deepening Materials Insights with Efficient Experimental Design and Smart Computational Microscopy
	A10.5	Advances in Cryogenic Transmission Electron Microscopy and Spectroscopy for Energy and Quantum Materials and Technologies
	B03.3	Application of Microscopy Techniques for Research and Diagnosis of Diseases in Humans, Plants and Animals
	B08.5	Advances in Cryo-EM Technology
	P02.5	Electron Microscopy for Ferroic Materials: From Atomic-scale Imaging to in-situ Control
	P06.6	Multimodal Data Acquisition and Analysis of Materials Under Real-Word Conditions Using Advanced Electron Microscopy
	P07.5	High-Resolution Microscopy and Microanalysis of Materials subjected to Extreme Environments
	P08.8	Advanced Imaging, Diffraction, and Spectroscopy of Structurally or Chemically Disordered Materials
	C06.7	Advancements in Generative Artificial Intelligence and Automation for Electron Microscopy

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