

FRIDAY, JULY 31

8:30 AM	MSA Council	A107
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SATURDAY, AUGUST 1

8:30 AM	MSA Council	A107
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SUNDAY, AUGUST 2

8:30 AM	IMS Board of Directors	C124
8:30 AM – 5:00 PM	Sunday Short Courses	
	X10 – Cryo-Preparation for Biological EM	B110
	X11 – Immunolabeling Technology for Light and Electron Microscopy	B111
	X12 – Electron Tomography in Life and Materials Sciences	B112
	X13 – Imaging and Analysis with Variable Pressure or Environmental SEM	B113
	X14 – Advanced Focused Ion BeAM Methods	B114
	X15 – Practical Considerations for Image Analysis; ImageJ	B115
	X16 – Overview of Scanning Probe Microscopy (SPM/AFM) for Nanoscale Morphological, Mechanical, and Optical Characterization of Materials	B116
	X17 – Standard Practice for Production and Evaluation of Field Metallographic Replicas	B117
	X18 – Nanomaterial Microscopy & Microanalysis: Tools & Preparation	B118
8:30 AM – 5:00 PM	Pre-Meeting Congress (<i>Sponsored by ACEM FIG</i>) Measuring Materials' Functionalities and Dynamics in Liquid and Gaseous Environments	A105-106
9:00 AM	MAS Council	A107
9:00 AM	IMS Poster Judging	C123
1:00 PM	Microscopy Today Editors	D131
3:00 PM	MaM Editors	D131
6:30 PM	Sunday Evening Social Event	Portland Ballroom

MONDAY, AUGUST 3

7:15 AM	MSA Awards + Fellowship Committees	D130
7:15 AM	Technologists' Forum Board	D129
7:15 AM	MaM Editorial Board	D131
8:30 AM – 12:00 PM	M&M 2015 Plenary Sessions	Oregon Ballroom
	Opening Welcome	
	PLENARY TALK #1: Dr. Roger Tsien, University of California, San Diego, 2008 Nobel Laureate "New Molecular Tools for Light and Electron Microscopy"	
	MAS Awards Presentation	
	IMS Awards Presentation	
	Coffee & Donuts Break	
	MSA Awards Presentation	
	M&M Meeting Awards Presentation	
	PLENARY TALK #2: Dr. Donald Pettit, NASA, Johnson Space Center, Houston, TX "Some Unexpected Difficulties in Microscope Operation in Microgravity"	

MONDAY, AUGUST 3 CONTINUED

12:00 PM – 1:30 PM	Lunch Break	Exhibit Hall
12:00 PM – 5:30 PM	Exhibit Hall Open	Exhibit Hall
12:15 PM	MAS Meal with a Mentor	A108-109
12:15 PM	FOM FIG “Lunch with a Facility Manager”	D132
12:15 PM	Diagnostic FIG Meeting	D131
12:15 PM	Focused Ion Beam FIG	D130
1:00 PM – 5:00 PM	In-Week Intensive Workshops	
	X19 – Introduction to SEM Imaging and X-ray Compositional Analysis	A103
	X20 – Specimen Preparation for Biological Microscopy	A104
1:30 PM – 3:00 PM	P.M. Symposia & Sessions	
	X99 – IMS Henry Clifton Sorby Award & Lecture	C123
	A01 – Vendor Symposium: New Tools for Life and Materials Sciences	C125
	A11 – Electron Vortex Beams and Higher-Order Beam Modes	D139
	A12 – Low Voltage Electron Microscopy	B117
	A13 – Advancing Data Collection and Analysis for Atom Probe Tomography	B115
	B01 – Apkarian Memorial Symposium: Cryo-HRSEM	B112
	B05 – 3D Structure of Macromolecular Assemblies, Cellular Organelles, and Whole Cells	B111
	B07 – Microscopy, Microanalysis and Image Cytometry in the Pharmaceutical Sciences	B119
	B08 – DynAMic Fluorescence Microscopy	C122
	B09 – Utilizing Microscopy for Research and Diagnosis of Diseases	D138
	B10 – Multiscale Biological Imaging: From Micro to Macro – Animal to Clinical Models	C120
	P01 – Bringing the Real World into the Electron Microscope: Peter R. Swann Memorial Symposium on <i>In Situ</i> TEM and STEM	B116
	P04 – Nano-characterization of Low Dimensional Materials: Carbon to 2D TMDs	B114
	P05 – Nuclear and Irradiated Materials: Fundamental Defect Properties	D135
	P08 – Microscopy and Characterization of Ceramics, Polymers, and Composites	D136
	P09 – Microscopy of Additive Manufacturing and 3D Printing in Materials and Biology in Humans, Plants & Animals	D137
	P11 – Advances in Transmission Electron Microscopy and Spectroscopy of Energy-Related Materials	B113
2:30 PM	IMS General Members’ Meeting	C123
3:00 PM – 5:00 PM	Monday Poster Presentations	Exhibit Hall
	A01 – Vendor Symposium: New Tools for Life and Materials Sciences	
	A18 – Core Facility Management (FOM FIG)	
	B01 – Apkarian Memorial Symposium: Cryo-HRSEM	
	B07 – Microscopy, Microanalysis and Image Cytometry in the Pharmaceutical Sciences	
	B08 – DynAMic Fluorescence Microscopy	
	B09 – Utilizing Microscopy for Research and Diagnosis of Diseases	
	P01 – Bringing the Real World into the Electron Microscope: Peter R. Swann Memorial Symposium on <i>In Situ</i> TEM and STEM	
	P06 – Failure Analysis, Applications of Microanalysis, Microscopy, Metallography, and Fractography	
	P08 – Microscopy and Characterization of CerAMics, Polymers, and Composites	
	P11 – Advances in Transmission Electron Microscopy and Spectroscopy of Energy-Related Materials	
	PDP – Post Deadline Posters (all)	



WEEK AT-A-GLANCE

MONDAY, AUGUST 3 CONTINUED

3:00 PM	3D EM in the Biological Sciences FIG	B111
3:30 PM	Technologists' Forum Business Meeting	D130
5:00 PM	Student Poster Awards	Exhibit Hall Poster Stage
5:30 PM	Student Mixer	A108-109
5:45 – 6:45 PM	Vendor Tutorials (<i>Sign up at MSA MegaBooth</i>)	Exhibit Hall
7:00 PM – 9:00 PM	IMS Icebreaker	Doubletree Hotel

TUESDAY, AUGUST 4

7:15 AM	MSA Local Affiliated Societies' Breakfast	A108-109
7:15 AM	Microscopy Today Editorial Board Meeting	D130
8:30 AM – 10:00 AM	A.M. Symposia & Sessions	
	X90 – Microscopy Outreach: Microscopy in the Classroom	B110-111
	A01 – Vendor Symposium: New Tools for Life and Materials Sciences	C125
	A12 – Low Voltage Electron Microscopy	B117
	A13 – Advancing Data Collection and Analysis for Atom Probe Tomography	B115
	A18 – Core Facility Management (FOM FIG)	C124
	B01 – Apkarian Memorial Symposium: Cryo-HRSEM	B112
	B04 – Advances in Specimen Preparation and Correlative LM-EM (CLEM) of Biological Samples	C122
	B07 – Microscopy, Microanalysis, and Image Cytometry in the Pharmaceutical Sciences	B119
	B09 – Utilizing Microscopy for Research and Diagnosis of Diseases	D138
	B10 – Multiscale Biological Imaging: From Micro to Macro – Animal to Clinical Models	C120
	P01 – Bringing the Real World into the Electron Microscope: Peter R. Swann Memorial Symposium on <i>In Situ</i> TEM and STEM	B116
	P04 – Nano-characterization of Low Dimensional Materials: Carbon to 2D TMDs	B114
	P05 – Nuclear and Irradiated Materials: Fundamental Defect Properties	D135
	P06 – Failure Analysis, Applications of Microanalysis, Microscopy, Metallography, and Fractography	D140
	P07 – Metallography and Microstructural Characterization of Metals	C123
	P09 – Microscopy of Additive Manufacturing and 3D Printing in Materials and Biology in Humans, Plants & Animals	D137
	P11 – Advances in Transmission Electron Microscopy and Spectroscopy of Energy-Related Materials	B113
10:00 AM – 5:30 PM	Exhibit Hall Open	Exhibit Hall
10:00 AM – 10:30 AM	Coffee Break	Exhibit Hall
10:00 AM	M&M 2016 - Program Planning Meeting	A107
10:30 AM – 12:00 PM	A.M. Symposia & Sessions (Cont'd.)	
	X90 – Microscopy Outreach: Microscopy in the Classroom	B110-111
	A05 – Fast and Ultrafast Imaging with Electrons and Photons	A105
	A06 – Advanced Analytical TEM/STEM	A106
	A11 – Electron Vortex Beams and Higher-Order Beam Modes	D139
	A12 – Low Voltage Electron Microscopy	B117
	A13 – Advancing Data Collection and Analysis for Atom Probe Tomography	B115
	A18 – Core Facility Management (FOM FIG)	C124
	B04 – Advances in Specimen Preparation and Correlative LM-EM (CLEM) of Biological Samples	C122

TUESDAY, AUGUST 4 CONTINUED

10:30 AM – 12:00 PM	A.M. Symposia & Sessions (Cont'd.)	
	B05 – 3D Structure of Macromolecular Assemblies, Cellular Organelles, and Whole Cells	B112
	B07 – Microscopy, Microanalysis, and Image Cytometry in the Pharmaceutical Sciences	B119
	B09 – Utilizing Microscopy for Research and Diagnosis of Diseases	D138
	P01 – Bringing the Real World into the Electron Microscope: Peter R. Swann Memorial Symposium on <i>In Situ</i> TEM and STEM	B116
	P04 – Nano-characterization of Low Dimensional Materials: Carbon to 2D TMDs	B114
	P05 – Nuclear and Irradiated Materials: Fundamental Defect Properties	D135
	P06 – Failure Analysis, Applications of Microanalysis, Microscopy, Metallography, and Fractography	D140
	P07 – Metallography and Microstructural Characterization of Metals	C123
	P08 – Microscopy and Characterization of CerAMics, Polymers and Composites	D136
	P09 – Microscopy of Additive Manufacturing and 3D Printing in Materials and Biology in Humans, Plants & Animals	D137
	P10 – Microscopy and Microanalysis for Real-World Problem Solving	C120
P11 – Advances in Transmission Electron Microscopy and Spectroscopy of Energy-Related Materials	B113	
12:00 PM – 1:30 PM	Lunch Break	
12:15 PM	FOM FIG Business Meeting & Lunch	A108-109
12:15 PM	MSA Distinguished Scientist Awardee Lectures	C123
12:15 PM	Cryo-Preparation FIG Meeting	D130
12:15 PM	MSA Standards Committee	C128
12:15 PM	Electron Crystallography FIG	D131
1:00 PM – 5:00 PM	In-Week Intensive Workshops	
	X19 – Introduction to SEM Imaging and X-ray Compositional Analysis	A103
	X20 – Specimen Preparation for Biological Microscopy	A104
1:30 PM – 3:00 PM	P.M. Symposia & Sessions	
	X92 – Project MICRO	B110-111
	A05 – Fast and Ultrafast Imaging with Electrons and Photons	A105
	A06 – Advanced Analytical TEM/STEM	A106
	A11 – Electron Vortex Beams and Higher-Order Beam Modes	D139
	A12 – Low Voltage Electron Microscopy	B117
	A13 – Advancing Data Collection and Analysis for Atom Probe Tomography	B115
	A16 – Advances in Electron and Ion Scanning Microscopies	B118
	B02 – To the Rhizosphere – And Beyond!	B112
	B06 – Deep Tissue Imaging and Light Sheet Microscopy	C122
	C13 – Pharmaceuticals FIG Session	B119
	P01 – Bringing the Real World into the Electron Microscope: Peter R. Swann Memorial Symposium on <i>In Situ</i> TEM and STEM	B116
	P04 – Nano-characterization of Low Dimensional Materials: Carbon to 2D TMDs	B114
	P05 – Nuclear and Irradiated Materials: Fundamental Defect Properties	D135
	P06 – Failure Analysis, Applications of Microanalysis, Microscopy, Metallography, and Fractography	D140
	P07 – Metallography and Microstructural Characterization of Metals	C123
	P08 – Microscopy and Characterization of CerAMics, Polymers, and Composites	D136
	P10 – Microscopy and Microanalysis for Real-World Problem Solving	C120
P11 – Advances in Transmission Electron Microscopy and Spectroscopy of Energy-Related Materials	B113	



WEEK AT-A-GLANCE

TUESDAY, AUGUST 4 CONTINUED

3:00 PM – 5:00 PM	Tuesday Poster Presentations	Exhibit Hall
	X90 - Microscopy Outreach: Microscopy in the Classroom	
	A05 - Fast and Ultrafast Imaging with Electrons and Photons	
	A06 - Advanced Analytical TEM/STEM	
	A12 - Low Voltage Electron Microscopy	
	A13 - Advancing Data Collection and Analysis for Atom Probe Tomography	
	B02 - To the Rhizosphere — And Beyond!	
	B04 - Advances in Specimen Preparation and Correlative LM-EM (CLEM) of Biological Samples	
	B05 - 3D Structure of Macromolecular Assemblies, Cellular Organelles, and Whole Cells	
	B10 - Multiscale Biological Imaging: From Micro to Macro - Animal to Clinical Models	
	B11 - Specimen Prep for Biological Sciences	
	P01 - Bringing the Real World into the Electron Microscope: Peter R. Swann Memorial Symposium on <i>In Situ</i> TEM and STEM	
	P04 - Nano-characterization of Low Dimensional Materials: Carbon to 2D TMDs	
	P05 - Nuclear and Irradiated Materials: Fundamental Defect Properties	
	P08 - Microscopy and Characterization of CerAMics, Polymers and Composites	
	P11 - Advances in Transmission Electron Microscopy and Spectroscopy of Energy-Related Materials	
3:30 PM	FIG Business Meeting	A107
3:30 PM	MSA Education Committee Meeting	D130
5:00 PM	Student Poster Awards	Exhibit Hall Poster Stage
5:15 PM	ACEM FIG	D131
5:30 PM	Symposium Organizers - Appreciation Event	A108-109
5:45 PM	Vendor Tutorials (<i>Sign up at MSA MegaBooth</i>)	Exhibit Hall
6:30 PM	Presidents' Reception (<i>Invitation Only</i>)	Offsite

WEDNESDAY, AUGUST 5

7:15 AM	MSA Certification Board	D131
7:15 AM	MSA Membership Committee	D130
8:30 AM	M&M 2016 Conference Publications	A107
8:30 AM – 10:00 AM	A.M. Symposia & Sessions	
	X31 - Technologists' Forum: Safety in the Microscopy Laboratory	D139
	X42 - Biological Sciences Tutorial: Maximizing the Likelihood of Successful Maximum Likelihood Classification	C125
	A06 - Advanced Analytical TEM/STEM	A106
	A08 - Advances in Qualitative and Quantitative X-ray Microanalysis: From Detectors to Techniques	B115
	A10 - Advances in Electron Diffraction and Automated Mapping Techniques	B112
	A16 - Advances in Electron and Ion Scanning Microscopies	B118
	B04 - Advances in Specimen Preparation and Correlative LM-EM (CLEM) of Biological Samples	D138
	P01 - Bringing the Real World into the Electron Microscope: Peter R. Swann Memorial Symposium on <i>In Situ</i> TEM and STEM	B116
	P02 - Materials Problem Solving with Aberration-Corrected Electron Microscopy	C124
	P03 - Advances in Microanalysis of Earth and Planetary Materials	C122

WEDNESDAY, AUGUST 5 CONTINUED

8:30 AM - 10:00 AM	A.M. Symposia & Sessions	
	P04 - Nano-characterization of Low Dimensional Materials: Carbon to 2D TMDs	B114
	P06 - Failure Analysis, Applications of Microanalysis, Microscopy, Metallography, and Fractography	D140
	P07 - Metallography and Microstructural Characterization of Metals	C123
	P10 - Microscopy and Microanalysis for Real-World Problem Solving	C120
	P11 - Advances in Transmission Electron Microscopy and Spectroscopy of Energy-Related Materials	B113
10:00 AM - 5:30 PM	Exhibit Hall Open	Exhibit Hall
10:00 AM - 10:30 AM	Coffee Break	Exhibit Hall
10:30 AM - 12:00 PM	A.M. Symposia & Sessions (Cont'd.)	
	X30 - Technologists' Forum: Emerging New Specialized Techniques for Correlative Microscopy	D139
	X44 - Biological Sciences Tutorial: Optimizing Specimen Preparation for Macromolecular Electron Microscopy	C125
	A05 - Fast and Ultrafast Imaging with Electrons and Photons	A105
	A06 - Advanced Analytical TEM/STEM	A106
	A08 - Advances in Qualitative and Quantitative X-ray Microanalysis: From Detectors to Techniques	B115
	A09 - Advances in Combining Simulation and Experiment for Materials Design	B119
	A10 - Advances in Electron Diffraction and Automated Mapping Techniques	B112
	A14 - Surface Plasmons, Cathodoluminescence, and Low-Loss EELS	D137
	A16 - Advances in Electron and Ion Scanning Microscopies	B118
	B04 - Advances in Specimen Preparation and Correlative LM-EM (CLEM) of Biological Samples	D138
	B05 - 3D Structure of Macromolecular Assemblies, Cellular Organelles, and Whole Cells	B111
	P01 - Bringing the Real World into the Electron Microscope: Peter R. Swann Memorial Symposium on <i>In Situ</i> TEM and STEM	B116
	P02 - Materials Problem Solving with Aberration-Corrected Electron Microscopy	C124
	P03 - Advances in Microanalysis of Earth and Planetary Materials	C122
	P04 - Nano-characterization of Low Dimensional Materials: Carbon to 2D TMDs	B114
	P05 - Nuclear and Irradiated Materials: Fundamental Defect Properties	D135
	P07 - Metallography and Microstructural Characterization of Metals	C123
	P08 - Microscopy and Characterization of Ceramics, Polymers, and Composites	D136
	P10 - Microscopy and Microanalysis for Real-World Problem Solving	C120
	P11 - Advances in Transmission Electron Microscopy and Spectroscopy of Energy-Related Materials	B113
12:00 PM - 1:30 PM	Lunch Break	
12:15 PM	MAS - ANSI Meeting	D131
12:15 PM	MSA Members Meeting	C123
12:15 PM	MAS Affiliated Regional Societies	A108-109
12:15 PM	Atom Probe FIG Meeting	A107
12:15 PM	Pharma FIG	D130
1:00 PM - 5:00 PM	In-Week Intensive Workshops	
	X19 - Introduction to SEM Imaging and X-ray Compositional Analysis	A103
	X20 - Specimen Preparation for Biological Microscopy	A104
1:30 PM - 3:00 PM	P.M. Sessions & Symposia	
	X30 - Technologists' Forum: Emerging New Specialized Techniques for Correlative Microscopy	D139
	X43 - Biological Sciences Tutorial: Advances in Light Sheet Microscopy	C125

WEDNESDAY, AUGUST 5 CONTINUED

1:30 PM – 3:00 PM

P.M. Sessions & Symposia

X91 – It's a Family Affair	B110
A02 – TEM Phase Contrast Imaging	D135
A03 – Electron Holography for Nanofields in Solids	C120
A04 – Advances in FIB: New Instrumentation and Applications in Materials and Biological Sciences	B117
A05 – Fast and Ultrafast Imaging with Electrons and Photons	A105
A06 – Advanced Analytical TEM/STEM	A106
A07 – Scanning Probe Microscopy: New Methods and Applications	B118
A08 – Advances in Qualitative and Quantitative X-ray Microanalysis: From Detectors to Techniques	B115
A09 – Advances in Combining Simulation and Experiment for Materials Design	B119
A10 – Advances in Electron Diffraction and Automated Mapping Techniques	B112
A14 – Surface Plasmons, Cathodoluminescence, and Low-Loss EELS	D137
A17 – Standardization and Metrology in Electron Microscopy and Microbeam Analysis	B114
B02 – To the Rhizosphere – And Beyond!	B111
B04 – Advances in Specimen Preparation and Correlative LM-EM (CLEM) of Biological Samples	D138
P01 – Bringing the Real World into the Electron Microscope: Peter R. Swann Memorial Symposium on <i>In Situ</i> TEM and STEM	B116
P02 – Materials Problem Solving with Aberration-Corrected Electron Microscopy	C124
P03 – Advances in Microanalysis of Earth and Planetary Materials	C122
P08 – Microscopy and Characterization of CerAMics, Polymers, and Composites	D136
P11 – Advances in Transmission Electron Microscopy and Spectroscopy of Energy-Related Materials	B113
P12 – Advanced Microscopy and Microanalysis of Soft and Hybrid Nanomaterials	D140

3:15 PM

MSA-CUP Book Series Advisory Board Meeting

D130

3:00 PM – 5:00 PM

Wednesday Poster Presentations

Exhibit Hall

A02 – TEM Phase Contrast Imaging
A05 – Fast and Ultrafast Imaging with Electrons and Photons
A06 – Advanced Analytical TEM/STEM
A07 – Scanning Probe Microscopy: New Methods and Applications
A08 – Advances in Qualitative and Quantitative X-ray Microanalysis: From Detectors to Techniques
A09 – Advances in Combining Simulation and Experiment for Materials Design
A10 – Advances in Electron Diffraction and Automated Mapping Techniques
A14 – Surface Plasmons, Cathodoluminescence, and Low-Loss EELS
A16 – Advances in Electron and Ion Scanning Microscopies
A17 – Standardization and Metrology in Electron Microscopy and Microbeam Analysis
B06 – Deep Tissue Imaging and Light Sheet Microscopy
P02 – Materials Problem Solving with Aberration-Corrected Electron Microscopy
P07 – Metallography and Microstructural Characterization of Metals
P10 – Microscopy and Microanalysis for Real-World Problem Solving
P11 – Advances in Transmission Electron Microscopy and Spectroscopy of Energy-Related Materials
P12 – Advanced Microscopy and Microanalysis of Soft and Hybrid Nanomaterials

5:00 PM

Student Poster Awards

Exhibit Hall

5:15 PM

MAS Business Meeting

C123

5:45 PM

Vendor Tutorials (Sign up at MSA MegaBooth)

Exhibit Hall

6:30 PM

IMS Awards Banquet

Offsite

6:30 PM

MAS Members Social

Offsite

THURSDAY, AUGUST 6

8:30 AM	M&M Sustaining Members Meeting	A108-109
8:30 AM – 10:00 AM	A.M. Symposia & Sessions	
	X40 – Physical Sciences Tutorial: Advances in Light Sheet Microscopy	C125
	A02 – TEM Phase Contrast Imaging	D135
	A04 – Advances in FIB: New Instrumentation and Applications in Materials and Biological Sciences	B117
	A05 – Fast and Ultrafast Imaging with Electrons and Photons	A105
	A06 – Advanced Analytical TEM/STEM	A106
	A07 – Scanning Probe Microscopy: New Methods and Applications	B118
	A08 – Advances in Qualitative and Quantitative X-ray Microanalysis: From Detectors to Techniques	B115
	A09 – Advances in Combining Simulation and Experiment for Materials Design	B119
	A10 – Advances in Electron Diffraction and Automated Mapping Techniques	B112
	A14 – Surface Plasmons, Cathodoluminescence, and Low-Loss EELS	D137
	A15 – Imaging Mass Spectrometry (MALDI)	B111
	P01 – Bringing the Real World into the Electron Microscope: Peter R. Swann Memorial Symposium on <i>In Situ</i> TEM and STEM	B116
	P02 – Materials Problem Solving with Aberration-Corrected Electron Microscopy	C124
P11 – Advances in Transmission Electron Microscopy and Spectroscopy of Energy-Related Materials	B113	
10:00 AM – 2:00 PM	Exhibit Hall Open	Exhibit Hall
10:00 AM – 12:00 PM	Coffee Break + Poster Session	Exhibit Hall
10:00 AM – 12:00 PM	Thursday Poster Sessions	
	A02 – TEM Phase Contrast Imaging	
	A03 – Electron Holography for Nanofields in Solids	
	A04 – Advances in FIB: New Instrumentation and Applications in Materials and Biological Sciences	
	A05 – Fast and Ultrafast Imaging with Electrons and Photons	
	A08 – Advances in Qualitative and Quantitative X-ray Microanalysis: From Detectors to Techniques	
	A10 – Advances in Electron Diffraction and Automated Mapping Techniques	
	A14 – Surface Plasmons, Cathodoluminescence, and Low-Loss EELS	
	A15 – Imaging Mass Spectrometry (MALDI)	
	P02 – Materials Problem Solving with Aberration-Corrected Electron Microscopy	
	P03 – Advances in Microanalysis of Earth and Planetary Materials	
	P07 – Metallography and Microstructural Characterization of Metals	
	P11 – Advances in Transmission Electron Microscopy and Spectroscopy of Energy-Related Materials	
12:00 PM	Student Poster Awards	Exhibit Hall Poster Stage
12:00 PM – 1:30 PM	Lunch Break	
1:00 PM – 5:00 PM	In-Week Intensive Workshops	
	X19 – Introduction to SEM Imaging and X-ray Compositional Analysis	A103
	X20 – Specimen Preparation for Biological Microscopy	A104



WEEK AT-A-GLANCE

THURSDAY, AUGUST 6 CONTINUED

1:30 PM - 3:00 PM

P.M. Symposia

X41 - Physical Sciences Tutorial: <i>In Situ</i> Liquid S/TEM: Practical Aspects, Challenges, and Opportunities	C125
A02 - TEM Phase Contrast Imaging	D135
A03 - Electron Holography for Nanofields in Solids	C120
A04 - Advances in FIB: New Instrumentation and Applications in Materials and Biological Sciences	B117
A05 - Fast and Ultrafast Imaging with Electrons and Photons	A105
A06 - Advanced Analytical TEM/STEM	A106
A07 - Scanning Probe Microscopy: New Methods and Applications	B118
A08 - Advances in Qualitative and Quantitative X-ray Microanalysis: From Detectors to Techniques	B115
A09 - Advances in Combining Simulation and Experiment for Materials Design	B119
A10 - Advances in Electron Diffraction and Automated Mapping Techniques	B112
A14 - Surface Plasmons, Cathodoluminescence, and Low-Loss EELS	D137
A15 - Imaging Mass Spectrometry (SIMS)	B111
A17 - Standardization and Metrology in Electron Microscopy and Microbeam Analysis	B114
P02 - Materials Problem Solving with Aberration-Corrected Electron Microscopy	C124
P03 - Advances in Microanalysis of Earth and Planetary Materials	C122
P07 - Metallography and Microstructural Characterization of Metals	C123
P11 - Advances in Transmission Electron Microscopy and Spectroscopy of Energy-Related Materials	B113
P12 - Advanced Microscopy and Microanalysis of Soft and Hybrid Nanomaterials	D140

3:00 PM - 3:30 PM

Coffee Break

3:30 PM - 5:00 PM

Late P.M. Symposia (Cont'd.)

A02 - TEM Phase Contrast Imaging	D135
A03 - Electron Holography for Nanofields in Solids	C120
A04 - Advances in FIB: New Instrumentation and Applications in Materials and Biological Sciences	B117
A05 - Fast and Ultrafast Imaging with Electrons and Photons	A105
A06 - Advanced Analytical TEM/STEM	A106
A07 - Scanning Probe Microscopy: New Methods and Applications	B118
A08 - Advances in Qualitative and Quantitative X-ray Microanalysis: From Detectors to Techniques	B115
A09 - Advances in Combining Simulation and Experiment for Materials Design	B119
A10 - Advances in Electron Diffraction and Automated Mapping Techniques	B112
A14 - Surface Plasmons, Cathodoluminescence, and Low-Loss EELS	D137
A17 - Standardization and Metrology in Electron Microscopy and Microbeam Analysis	B114
P02 - Materials Problem Solving with Aberration-Corrected Electron Microscopy	C124
P07 - Metallography and Microstructural Characterization of Metals	C123
P11 - Advances in Transmission Electron Microscopy and Spectroscopy of Energy-Related Materials	B113
P12 - Advanced Microscopy and Microanalysis of Soft and Hybrid Nanomaterials	D140

5:30 PM

M&M 2015 Wrap-Up & Debrief (By invitation only)

A107