

IMC20 Scientific Program

* This program is subject to change.

		1. Life Science			2. Physical Science						3. Analytical Science						4. Special Symposiums			
Date	Time	311-312	313	314	201-202	203	204	205	108	109	110	101-102	103	104	105	106	107	211-212	213	214
(Mon.) 11 Sep.	10:20-12:10	LS-01.1. Structure and Function of Cells and Organelles	LS-03.1. Structure of Macromolecules and Supramolecular Assemblies	LS-15.1. Development and Advance of New Microscopy for Biological System	PS-11.1. Energy Materials	PS-02.1. Carbon-based Materials/2D materials	AS-11.1. Novel spectroscopies with electrons and light: from far infra-red to X-rays	PS-01.1. Nanomaterials - Understanding structure-function relationship by multi-modal and multi-dimensional microscopy	PS-08.1. Phase Transformation and Corrosion	AS-10.1. Scanning Probe Microscopy for functional nanomaterials	PS-04.1. Metals and Alloys	AS-05.1. In-situ & Environmental Microscopy	AS-01.1. Electron Optics and Optical Elements	AS-06.1. Diffraction and Holography Techniques	AS-07.1. 3 Quantitative and Multimode 3D Imaging in the Physical Sciences	AS-08.1. New Microscopic Metrology for Accessing Physical and Chemical Properties	AS-04.1. Cryo-TEM Techniques	PS-06.1. Polymer-based materials: New frontiers in S/TEM for soft matter	SS-03.1. Semiconductors & Devices	SS-04.1. Photonics Symposium
	13:30-15:20	LS-01.2. Structure and Function of Cells and Organelles	LS-14.1. Neuroscience	LS-15.2. Development and Advance of New Microscopy for Biological System	PS-11.2. Energy Materials	PS-02.2. Carbon-based Materials/2D materials	AS-11.2. Novel spectroscopies with electrons and light: from far infra-red to X-rays	PS-01.2. Nanomaterials - Understanding structure-function relationship by multi-modal and multi-dimensional microscopy	PS-08.2. Phase Transformation and Corrosion	AS-10.2. Scanning Probe Microscopy for functional nanomaterials	PS-04.2. Metals and Alloys	AS-05.2. In-situ & Environmental Microscopy	AS-01.2. Electron Optics and Optical Elements	AS-06.2. Diffraction and Holography Techniques	AS-07.2. 3 Quantitative and Multimode 3D Imaging in the Physical Sciences	AS-08.2. New Microscopic Metrology for Accessing Physical and Chemical Properties	AS-04.2. Cryo-TEM Techniques	PS-06.2. Polymer-based materials: New frontiers in S/TEM for soft matter	SS-03.2. Semiconductors & Devices	SS-04.2. Photonics Symposium
	15:40-17:30	LS-04.1. Super-Resolution Microscopy in Molecular and Cell Biology	LS-14.2. Neuroscience	LS-10.1. Host-Pathogen Interactions, Microbiology and Virology	PS-11.3. Energy Materials	PS-02.3. Carbon-based Materials/2D materials	AS-11.3. Novel spectroscopies with electrons and light: from far infra-red to X-rays	IMC21 Bid Presentation	PS-08.3. Phase Transformation and Corrosion	AS-10.3. Scanning Probe Microscopy for functional nanomaterials	PS-04.3. Metals and Alloys	AS-05.3. In-situ & Environmental Microscopy	AS-01.3. Electron Optics and Optical Elements	AS-06.3. Diffraction and Holography Techniques	AS-07.3. 3 Quantitative and Multimode 3D Imaging in the Physical Sciences	AS-08.3. New Microscopic Metrology for Accessing Physical and Chemical Properties	AS-04.3. Cryo-TEM Techniques	PS-06.3. Polymer-based materials: New frontiers in S/TEM for soft matter	LS-02.1. Live Imaging of Cells, Tissues and Organisms	SS-04.3. Photonics Symposium
(Tue.) 12 Sep.	10:20-12:10		SS-06.1. Microstructure Analysis in Additive Manufacturing (AM) Materials	LS-13.1. Plant Science and Mycology	PS-11.4. Energy Materials	PS-02.4. Carbon-based Materials/2D materials	PS-03.1. Did God Make Thin Films and the Devil the Surface?	PS-01.3. Nanomaterials - Understanding structure-function relationship by multi-modal and multi-dimensional microscopy	PS-08.4. Phase Transformation and Corrosion	AS-10.4. Scanning Probe Microscopy for functional nanomaterials	PS-04.4. Metals and Alloys	AS-05.4. In-situ & Environmental Microscopy	AS-02.1. Automated experiment in electron microscopy: from learning physics to atomic fabrication	AS-06.4. Diffraction and Holography Techniques	AS-07.4. 3 Quantitative and Multimode 3D Imaging in the Physical Sciences	AS-08.4. New Microscopic Metrology for Accessing Physical and Chemical Properties	AS-04.4. Cryo-TEM Techniques	SS-02.1. Multiscale analyses of battery materials	SS-07.1. Aperiodic crystals in microscopy	SS-04.4. Photonics Symposium
	13:30-15:20	LS-11.1. Invertebrate Biology and Taxonomy	SS-06.2. Microstructure Analysis in Additive Manufacturing (AM) Materials	LS-13.2. Plant Science and Mycology	PS-11.5. Energy Materials	PS-02.5. Carbon-based Materials/2D materials	PS-03.2. Did God Make Thin Films and the Devil the Surface?	PS-01.4. Nanomaterials - Understanding structure-function relationship by multi-modal and multi-dimensional microscopy	PS-05.1. Atomic scale microscopy of functional ceramics and oxides	AS-10.5. Scanning Probe Microscopy for functional nanomaterials	PS-04.5. Metals and Alloys	AS-05.5. In-situ & Environmental Microscopy	AS-02.2. Automated experiment in electron microscopy: from learning physics to atomic fabrication	AS-06.5. Diffraction and Holography Techniques	AS-07.5. 3 Quantitative and Multimode 3D Imaging in the Physical Sciences	AS-08.5. New Microscopic Metrology for Accessing Physical and Chemical Properties	AS-04.5. Cryo-TEM Techniques	SS-02.2. Multiscale analyses of battery materials	SS-07.2. Aperiodic crystals in microscopy	SS-04.5. Photonics Symposium
	15:40-17:30	LS-11.2. Invertebrate Biology and Taxonomy	SS-06.3. Microstructure Analysis in Additive Manufacturing (AM) Materials	LS-07.1. Immunohistochemistry and Cytochemistry	PS-11.6. Energy Materials	PS-02.6. Carbon-based Materials/2D materials	PS-03.3. Did God Make Thin Films and the Devil the Surface?	PS-01.5. Nanomaterials - Understanding structure-function relationship by multi-modal and multi-dimensional microscopy	PS-05.2. Atomic scale microscopy of functional ceramics and oxides	PS-09.1. Magnetic and Ferroelectric Materials	PS-04.6. Metals and Alloys	AS-05.6. In-situ & Environmental Microscopy	AS-02.3. Automated experiment in electron microscopy: from learning physics to atomic fabrication		AS-07.6. 3 Quantitative and Multimode 3D Imaging in the Physical Sciences			SS-02.3. Multiscale analyses of battery materials	SS-07.3. Aperiodic crystals in microscopy	SS-04.6. Photonics Symposium
(Wed.) 13 Sep.	10:20-12:10	LS-05.1. Cryo-Electron Microscopy in Molecular and Cell Biology (Advances in Cryo-EM Image Process & TEM workflows)	LS-09.1. Correlative and Multiplex Microscopy in Biology (AS-3. Methods and Workflows for Correlative Microscopy was combined with LS-9)	LS-12.1. Revolutionary Imaging Technology in Embryology and Developmental Biology	PS-11.7. Energy Materials	PS-02.7. Carbon-based Materials/2D materials		PS-01.6. Nanomaterials - Understanding structure-function relationship by multi-modal and multi-dimensional microscopy	PS-05.3. Atomic scale microscopy of functional ceramics and oxides	PS-09.2. Magnetic and Ferroelectric Materials	PS-10.1. Organic Chemistry: Applications of Liquid Phase Electron Microscopy and other Advanced Microscopy Methods	AS-05.7. In-situ & Environmental Microscopy	AS-15.1. Ptychography and 4D-STEM	AS-14.1. Time-Resolved Microscopies				SS-02.4. Multiscale analyses of battery materials		SS-10.1. Commemorating 25 years of the European Microscopy Society
	13:30-15:20	LS-05.2. Cryo-Electron Microscopy in Molecular and Cell Biology (Emerging platforms for Cryo-ET)	LS-09.2. Correlative and Multiplex Microscopy in Biology (AS-03. Methods and Workflows for Correlative Microscopy was combined with LS-9)	LS-16.1. Biomedical Applications of Nanoparticles and Bio-safety Issues	PS-11.8. Energy Materials	PS-02.8. Carbon-based Materials/2D materials	PS-07.1. Microscopy of Semiconductor Materials and Devices	PS-01.7. Nanomaterials - Understanding structure-function relationship by multi-modal and multi-dimensional microscopy	PS-05.4. Atomic scale microscopy of functional ceramics and oxides	PS-09.3. Magnetic and Ferroelectric Materials	PS-10.2. Organic Chemistry: Applications of Liquid Phase Electron Microscopy and other Advanced Microscopy Methods	AS-05.8. In-situ & Environmental Microscopy	AS-09.1. SEM and FIB	AS-12.1. Electron Energy Loss Spectroscopy and Spectral Imaging Technique	AS-15.2. Ptychography and 4D-STEM	AS-14.2. Time-Resolved Microscopies		SS-02.5. Multiscale analyses of battery materials	SS-09.1. Designing, Construction, and Managing EM facilities with/without Integration of AI and ML Infrastructure	SS-10.2. General Assembly of the European Microscopy Society
	15:40-17:30	LS-05.3. Cryo-Electron Microscopy in Molecular and Cell Biology (In situ cellular cryo-electron tomography)	LS-09.3. Correlative and Multiplex Microscopy in Biology (AS-03. Methods and Workflows for Correlative Microscopy was combined with LS-9)		PS-11.9. Energy Materials	PS-02.9. Carbon-based Materials/2D materials	PS-07.2. Microscopy of Semiconductor Materials and Devices	PS-01.8. Nanomaterials - Understanding structure-function relationship by multi-modal and multi-dimensional microscopy	PS-05.5. Atomic scale microscopy of functional ceramics and oxides	PS-09.4. Magnetic and Ferroelectric Materials	PS-10.3. Organic Chemistry: Applications of Liquid Phase Electron Microscopy and other Advanced Microscopy Methods	AS-05.9. In-situ & Environmental Microscopy	AS-09.2. SEM and FIB	AS-12.2. Electron Energy Loss Spectroscopy and Spectral Imaging Technique	AS-15.3. Ptychography and 4D-STEM	AS-14.3. Time-Resolved Microscopies		SS-02.6. Multiscale analyses of battery materials	SS-09.2. Designing, Construction, and Managing EM facilities with/without Integration of AI and ML Infrastructure	SS-11. East Asia emerging scientist activities on microscopy techniques
(Thu.) 14 Sep.	10:20-12:10	LS-05.4. Cryo-Electron Microscopy in Molecular and Cell Biology (Cryo-EM of high complexity molecules)	LS-09.4. Correlative and Multiplex Microscopy in Biology (AS-03. Methods and Workflows for Correlative Microscopy was combined with LS-9)	LS-02.2. Live Imaging of Cells, Tissues and Organisms			PS-07.3. Microscopy of Semiconductor Materials and Devices	PS-01.9. Nanomaterials - Understanding structure-function relationship by multi-modal and multi-dimensional microscopy	PS-05.6. Atomic scale microscopy of functional ceramics and oxides	PS-09.5. Magnetic and Ferroelectric Materials	PS-10.4. Organic Chemistry: Applications of Liquid Phase Electron Microscopy and other Advanced Microscopy Methods	Joint Workshops - Penary - (TBC)	AS-09.3. SEM and FIB	AS-12.3. Electron Energy Loss Spectroscopy and Spectral Imaging Technique	AS-15.4. Ptychography and 4D-STEM	AS-14.4. Time-Resolved Microscopies	AS-13.1. Advances in Atom Probe Tomography	SS-08.1. Photoacoustic Microscopy	SS-05.1. Data mining, machine learning, applications of artificial intelligence	SS-01.1. Microscopy in Arts
	13:30-15:20		LS-09.5. Correlative and Multiplex Microscopy in Biology (AS-03. Methods and Workflows for Correlative Microscopy was combined with LS-9)	LS-02.3. Live Imaging of Cells, Tissues and Organisms	Joint Workshops 3 (TBC)	Joint Workshops 2 (TBC)	PS-07.4. Microscopy of Semiconductor Materials and Devices	IFSM General Assembly	PS-05.7. Atomic scale microscopy of functional ceramics and oxides	PS-09.6. Magnetic and Ferroelectric Materials	PS-10.5. Organic Chemistry: Applications of Liquid Phase Electron Microscopy and other Advanced Microscopy Methods	Joint Workshops 1 (TBC)	AS-09.4. SEM and FIB	AS-12.4. Electron Energy Loss Spectroscopy and Spectral Imaging Technique	AS-15.5. Ptychography and 4D-STEM	AS-14.5. Time-Resolved Microscopies	AS-13.2. Advances in Atom Probe Tomography	SS-02.7. Multiscale analyses of battery materials	SS-05.2. Data mining, machine learning, applications of artificial intelligence	SS-01.2. Microscopy in Arts
	15:40-17:30		LS-09.6. Correlative and Multiplex Microscopy in Biology (AS-03. Methods and Workflows for Correlative Microscopy was combined with LS-9)	LS-08.1. Pathology and Biomarkers	Joint Workshops 3 (TBC)	Joint Workshops 2 (TBC)	PS-07.5. Microscopy of Semiconductor Materials and Devices	IFSM General Assembly	PS-05.8. Atomic scale microscopy of functional ceramics and oxides	PS-09.7. Magnetic and Ferroelectric Materials	PS-10.6. Organic Chemistry: Applications of Liquid Phase Electron Microscopy and other Advanced Microscopy Methods	Joint Workshops 1 (TBC)	AS-09.5. SEM and FIB	AS-12.5. Electron Energy Loss Spectroscopy and Spectral Imaging Technique			AS-13.3. Advances in Atom Probe Tomography	SS-02.8. Multiscale analyses of battery materials		