

EMC2024 Timetable

| Sunday Aug. 25 | | AT BELLA CENTER | | | | | |
|----------------|---|---|--|--|--|--|--|
| 13:00 - 17:00 | REGISTRATION | | | | | | |
| 18:00 - 19:00 | WELCOME DRINKS RECEPTION | | | | | | |
| Monday Aug. 26 | | PLENARY | LECTURE THEATER 1 | LECTURE THEATER 2 | LECTURE THEATER 3 | LECTURE THEATER 4 | LECTURE THEATER 5 |
| 08:30 - 09:00 | | Chair: Klaus Qvortrup Opening Ceremony: Eva Olsson | | | | | |
| 09:00 - 10:00 | | Chair: Eija Jokitalo Speaker: Carolyn Larabell | | | | | |
| 10:00 - 10:30 | COFFEE & EXHIBITION | | | | | | |
| 10:30 - 12:30 | | PS-04 - Materials for Energy Conversion and Storage | SCANDEM - The 76th Anniversary of the Nordic Microscopy Society Chair: Prof. Unnar B. Arnalds Speaker: Prof. Hans Hebert | IM-07 - Dynamic studies using micro-nano labs | IM-05 - Spectroscopy and hyperspectral imaging of hard and soft matter | LS-02 Dynamic interactions and fast volumetric imaging in cells, organoids, tissue, and entire organisms | IM-12 - Development of sample preparation methods, instrumentation, workflows, and data solutions for volume electron microscopy |
| 12:30 - 14:00 | LUNCH & EXHIBITION | | 1300 - SCANDEM AGM | 1245 - 1315 - Tescan - Workshop TESCAN AMBER 2 and TESCAN AMBER X 2: New Generation FIB-SEMs for Speed, Utility, Precision by Martin Sláma | 1245 - 1330 - JEOL - Workshop Latest instrumentation and correlative workflows by Dr. Manuel Reinhard The new integrated TEM JEM-120i by Dr. Emanuel Katzmann JEOLs' Multi-purpose FIB-SEM - JIB-PS5001 - The cutting edge in Preparation, Imaging and Analysis by Dr. Tristan Harzer JEOL solutions for cryo FIB-SEM visualisation of materials by Damien McGrouther, PhD | 1245 - 1330 - Carl Zeiss - Workshop Recent Advancements in X-ray Microscopy for the Modern Analysis Laboratory by Ria Mitchell | 1245 - 1315 - Dectris - Workshop New applications exploring fast 4D STEM with ARINA by Dr. Daniel Stroppa |
| 14:00 - 15:00 | | PS-04 - Materials for Energy Conversion and Storage | IM-01 - Advances in 3-dimensional image reconstruction | PS-09 - Ceramics and composites | IM-05 - Spectroscopy and hyperspectral imaging of hard and soft matter | LS-02 Dynamic interactions and fast volumetric imaging in cells, organoids, tissue, and entire organisms | LS-05 - Pathology, immunocytochemistry, and biomolecular labelling |
| 15:00 - 16:00 | | PS-04 - Materials for Energy Conversion and Storage | IM-01 - Advances in 3-dimensional image reconstruction | PS-09 - Ceramics and composites | IM-05 - Spectroscopy and hyperspectral imaging of hard and soft matter | LS-03: Imaging sub-cellular events at high resolution using advanced light microscopy | PS-10 - Quantum Materials |
| 16:00 - 18:30 | COFFEE/TEA/DRINKS POSTERS & EXHIBITION | 1615 - EMS Awards (2x30 min) | | | | | |

| Tuesday Aug. 27 | | PLENARY | LECTURE THEATER 1 | LECTURE THEATER 2 | LECTURE THEATER 3 | LECTURE THEATER 4 | LECTURE THEATER 5 |
|-------------------|--|---|---|---|--|---|--|
| 09:00 - 10:00 | | Chair: Jakob Birkedal Wagner Plenary Speaker: Claus Ropers | | | | | |
| 10:00 - 10:30 | COFFEE & EXHIBITION | | | | | | |
| 10:30 - 12:30 | | PS-04 - Materials for Energy Conversion and Storage | IM-04 - New Instrumentation | PS-08 - Magnetic, Ferroelectric, and Spintronic Materials | IM-05 - Spectroscopy and hyperspectral imaging of hard and soft matter | LS-03: Imaging sub-cellular events at high resolution using advanced light microscopy | IM-13 - Correlative Microscopy Across the Scales |
| 12:30 - 14:00 | LUNCH & EXHIBITION | | 1245 - 1345 - Thermo Fischer - Symposia Introducing our new EELS-TEM: The first fully integrated advanced analytical (S)TEM by Maria Meledina, Product Manager, Thermo Fisher Scientific and Paolo Longo, Director, Product Marketing, Thermo Fisher Scientific | 1330 - 1350 - JEOL - Flash Presentation TEM solutions for Life Science by Dr. Emanuel Katzmann | | 1245 - 1305 - Protochips - Flash Presentation Introducing Triton AX: Heating and Cooling Liquid Electrochemical System for TEM by Jennifer McConnell, Senior Product Manager | 1300-1330 - Oxford Instruments - Workshop How the new BEX technique is changing what we can analyse in the SEM by Simon Burgess and Lucia Spasevski |
| 14:00 - 16:00 | | PS-04 - Materials for Energy Conversion and Storage | IM-04 - New Instrumentation | PS-08 - Magnetic, Ferroelectric, and Spintronic Materials | IM-02 - Innovative, modular and adaptable hardware: design, application and control | LS-09 - CryoEM from membrane proteins to large complexes | IM-13 - Correlative Microscopy Across the Scales |
| 16:00 - 18:30 | COFFE/TEA/DRINKS POSTERS & EXHIBITION | | 1700 - EMC 2028 Bids presentations (2x20 min) | 1700 - STEM Education and Outreach (Alex Ball) | | | |
| Wednesday Aug. 28 | | PLENARY | LECTURE THEATER 1 | LECTURE THEATER 2 | LECTURE THEATER 3 | LECTURE THEATER 4 | LECTURE THEATER 5 |
| 09:00 - 10:00 | | Chair: Randi Holmestad Plenary Speaker: Emma Lundberg | | | | | |
| 10:00 - 10:30 | COFFEE & EXHIBITION | | | | | | |
| 10:30 - 11:30 | | IM-03 - Phase-related methods | PS-05 - Nanoparticles and Catalysts | IM-08 - Fast and Ultrafast Dynamics using Transmission Electron Microscopy | PS-01 - 1D and 2D Materials, Surfaces, and Thin Films | LS-08 - In-situ structural cell biology | PS-02 - Metals and Alloys |
| 11:30 - 12:30 | | IM-03 - Phase-related methods | PS-05 - Nanoparticles and Catalysts | IM-08 - Fast and Ultrafast Dynamics using Transmission Electron Microscopy | PS-01 - 1D and 2D Materials, Surfaces, and Thin Films | LS-07 - Volume Electron Microscopy in Life Sciences | PS-02 - Metals and Alloys |
| 12:30 - 14:00 | LUNCH & EXHIBITION | | Company Workshop 1245 - 1345) - Thermo Fischer - Symposia Safer, faster, and cleaner: an overview of our latest advances for cryo-tomography by Alex Rigort, Product Marketing Manager, Thermo Fisher Scientific and Julio Ortiz, Sr. Product Marketing Manager, Thermo Fisher Scientific | Company Workshop 1330 - 1350 - JEOL - Flash Presentation Battery research using novel X-ray detectors (Inert-Transfer, Gather-X, SXES) by Yusuke UETAKE | Company Workshop 1245 - 1305 - Tescan - Flash Presentation Advanced TEM Sample Preparation for Materials Research by Martin Sláma | Company Workshop 1245 - 1315 - Carl Zeiss - Workshop Discover Dynamics of Live - explore microscopy applications across your sample scales by Gerry Sexton | Company Workshop 1245 - 1330 - Leica Microsystems - Workshop Beyond the Surface: Expanding Context with Light Sheet Fluorescence Microscopes and Ultramicrotome for 3D Imaging by Frederic Leroux, Advanced Workflow Manager, Leica Microsystems and Andrea Boni, Business Excellence Director, Leica Microsystems |
| | | | | | 1330 - 1350 - Gatan - Flash Presentation Make every electron count: New tools for improved analytical performance by Ray Twesten, Analytical Product Manager, Gatan | | |
| 14:00 - 15:00 | | IM-03 - Phase-related methods | PS-05 - Nanoparticles and Catalysts | PS-11 - Nano-scale Optical Materials | PS-01 - 1D and 2D Materials, Surfaces, and Thin Films | LS-07 - Volume Electron Microscopy in Life Sciences | PS-02 - Metals and Alloys |
| 15:00 - 16:00 | | IM-03 - Phase-related methods | PS-05 - Nanoparticles and Catalysts | PS-11 - Nano-scale Optical Materials | PS-01 - 1D and 2D Materials, Surfaces, and Thin Films | LS-07 - Volume Electron Microscopy in Life Sciences | PS-02 - Metals and Alloys |
| 16:00 - 18:30 | COFFE/TEA/DRINKS POSTERS & EXHIBITION | | 1700 EMS General Council - EMS2028 voting | 1700 - Global BioImaging | 1700 ERC Presentation (Maria Siomos) | | |

| Thursday Aug. 29 | PLENARY | PLENARY | LECTURE THEATER 1 | LECTURE THEATER 2 | LECTURE THEATER 3 | LECTURE THEATER 4 | LECTURE THEATER 5 |
|------------------|---|--|---|--|---|--|--|
| 09:00 - 10:00 | | Chair: Marco Belaggia Plenary Speaker: Vincenzo Grillo | | | | | |
| 10:00 - 10:30 | COFFEE & EXHIBITION | | | | | | |
| 10:30 - 12:30 | | IM-03 - Phase-related methods | PS-06 - Geological Materials and Bio-mineral systems | PS-12 - Materials in extreme conditions (nuclear, chemical, planetary..) | IM-10 - Machine Learning-based processing and analysis of microscopy data | LS-04 - Correlative microscopy of biological systems | IM-11 - Advances in Single Particle Analysis (SPA) and Cryo-Electron Tomography (cryo-ET) for Cryo-Electron Microscopy |
| 12:30 - 14:00 | LUNCH & EXHIBITION | | | 1245 - 1315 - Mel-Build - Symposia Introduction of In-situ vacuum transfer system for TEM/FIB-SEM by Hiroya Miyazaki (CEO) | 1300 - 1330 - Hitachi - Workshop Pushing the limits of low kV analytical STEM by Mike Dixon (Hitachi High-Tech Europe) and Prof Quentin Ramasse (SuperSTEM, UK) | | |
| | | | EMSAGM & OPA PRESENTATIONS: Júlia Ferrer Ortas on Instrumentation and Technique Development Shotaro Otsuka on Life Science Kellie Jenkinson on Materials Science | | | | |
| 14:00 - 15:00 | | IM-03 - Phase-related methods | IM-06 - Diffraction Techniques and Structural Analysis | PS-03 - Semiconductors, Heterostructures, and Devices | IM-10 - Machine Learning-based processing and analysis of microscopy data | LS-04 - Correlative microscopy of biological systems | IM-09 - Scanning Probe Microscopy: Imaging and Beyond |
| 15:00-16:00 | | PS-07 - Polymers, Soft, and Organic Materials | IM-06 - Diffraction Techniques and Structural Analysis | PS-03 - Semiconductors, Heterostructures, and Devices | IM-10 - Machine Learning-based processing and analysis of microscopy data | LS-04 - Correlative microscopy of biological systems | IM-09 - Scanning Probe Microscopy: Imaging and Beyond |
| 16:00 - 18:30 | COFFE/TEA/DRINKS | | 17:00 Extraordinary general meeting of DGE | 17:00 Brno Microscopy Region Talk | | | |
| 19:00 - 23:00 | POSTERS & EXHIBITION CONGRESS DINNER | | | | | | |
| Friday Aug. 30 | PLENARY | PLENARY | LECTURE THEATER 1 | LECTURE THEATER 2 | LECTURE THEATER 3 | LECTURE THEATER 4 | LECTURE THEATER 5 |
| 09:00 - 10:00 | | Chair: Julia Fernandez-Rodriguez Plenary Speaker: Moritz Helmstaedter | | | | | |
| 10:00 - 10:30 | COFFEE & EXHIBITION | | | | | | |
| 10:30 - 12:30 | | PS-07 - Polymers, Soft, and Organic Materials | IM-06 - Diffraction Techniques and Structural Analysis | PS-03 - Semiconductors, Heterostructures, and Devices | PS-05 - Nanoparticles and Catalysts | LS-06 - Host-pathogen interactions & virology | IM-11 - Advances in Single Particle Analysis (SPA) and Cryo-Electron Tomography (cryo-ET) for Cryo-Electron Microscopy |
| 12:30 - 14:00 | LUNCH & EXHIBITION | | | | | 1245 - 1315 - Carl Zeiss - Symposia ZEISS ZEN ecosystem: a universal software solution for microscopy by Dieter Lauter | |
| 14:00 - 16:00 | | | IM-06 - Diffraction Techniques and Structural Analysis | PS-03 - Semiconductors, Heterostructures, and Devices | PS-01 - 1D and 2D Materials, Surfaces, and Thin Films | PS-02 - Metals and Alloys | IM-10 - Machine Learning-based processing and analysis of microscopy data |
| 16:00 - 17:00 | CLOSING RECEPTION | | | | | | |