

# 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     |  | Opening Ceremony; Eva Olsson                        |  |  |   |  |  |                   |
| 09:00 - 10:00     |  | Plenary: 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   | Company Workshop<br>Tescan 30 min Workshop (1245 - 1315)                   | Company Workshop<br>JEOL 45 min workshop (1300 - 1345)                              | Company Workshop<br>Carl Zeiss 45 min workshop (1245 - 1330)   | Company Workshop   |                   |
| 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     | COFFE/TEA/DRINKS<br>POSTERS AND EXHIBITION | 1615 - EMS Awards (2x30 min)                        |  | Mel-Build Flash Presentation   |   |  |  |                   |
| Tuesday Aug. 27   |  | PLENARY   | LECTURE THEATER 1  | LECTURE THEATER 2  | LECTURE THEATER 3   | LECTURE THEATER 4  | LECTURE THEATER 5  |                   |
| 08:00 - 09:00     |  |   | Diversity in Microscopy, Breakfast Symposia (ThermoFisher)   |  |   |  |  |                   |
| 09:00 - 10:00     |  | Plenary: 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                         |   | Company Workshop<br>Thermo Fischer 60 min Symposia (1245 - 1345)   | Company Workshop<br>JEOL Flash Presentation (1330 - 1350)                  | Company Workshop<br>Dectris 30 min Workshop (1245 - 1315)                           | Company Workshop<br>Protochips - Flash Presentation (1245 - 1305)  | Company Workshop   |                   |
| 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<br>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     |  | Plenary: 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<br>Thermo Fischer 60 min Symposia (1245 - 1345)   | Company Workshop<br>JEOL Flash Presentation (1330 - 1350)                  | Company Workshop<br>Tescan - Flash Presentation                                     | Company Workshop<br>Carl Zeiss 30 min workshop (1245 - 1315)   | Company Workshop<br>Leica Microsystems 45 min workshop (1245 - 1330)   |                   |
| 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                           |   | 1700 EMS General Council - EMS2028 voting  | 1700 - Global Biolmaging   | 1700 ERC Presentation (Maria Siomos)  |  |  |                   |
| 18:00 - 19:30     | POSTERS & EXHIBITION                       |   |  |  |   |  |  |                   |
| Thursday Aug. 29  |  | PLENARY   | PLENARY  | LECTURE THEATER 1  | LECTURE THEATER 2   | LECTURE THEATER 3  | LECTURE THEATER 4  | LECTURE THEATER 5 |
| 09:00 - 10:00     |  | Plenary: 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                         |   | EMS AGM & OPA  | Company Workshop<br>Mel-Build 30 min Symposia (1245 - 1345)                | Company Workshop<br>Hitachi 30 min Workshop (1300 - 1330)                           | Company Workshop   | Company Workshop   |                   |
| 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                           |   |  | 1700 Brno Microscopy Region Talk   |   |  |  |                   |
| 19:00 - 23:00     | POSTERS & EXHIBITION<br>CONGRESS DINNER    |   |  |  |   |  |  |                   |
| Friday Aug. 30    |  | PLENARY   | LECTURE THEATER 1  | LECTURE THEATER 2  | LECTURE THEATER 3   | LECTURE THEATER 4  | LECTURE THEATER 5  |                   |
| 09:00 - 10:00     |  | Plenary: Moritz Helstaedter                         |  |  |   |  |  |                   |
| 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                         |   | Company Workshop   | Company Workshop   | Company Workshop  | Company Workshop<br>Carl Zeiss 30 min symposia (1245 - 1315)   | Company Workshop   |                   |
| 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                          |   |  |  |   |  |  |                   |