



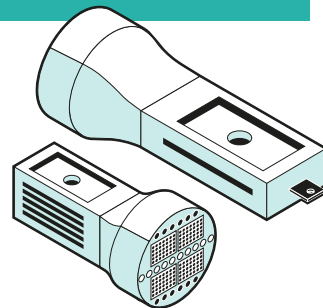
IMPRESS special session

SHAPING THE FUTURE OF INTEROPERABLE TEM


Showcase **prototype-driven breakthroughs**
in TEM instrumentation and software

Explore a **collaborative innovation
approaches** linking scientists with industry

Envision **future pathways** for interoperability
in electron microscopy



17MCM 2025

11 September, 2-4pm  Emerald 1



Funded by
the European Union

Funded by the European Union. Views and opinions expressed are however those of the authors only and do not necessarily reflect those of the European Union or the European Research Executive Agency (REA). Neither the European Union nor the granting authority can be held responsible for them.



17MCM 2025

11 September, 2025 | Portorož, Slovenia

IMPRESS Special Session

SHAPING THE FUTURE OF INTEROPERABLE TEM

2:00PM IMPRESS: A Gateway to New TEM Frontiers

Regina Ciancio IMPRESS Project Coordinator /
AREA Science Park

**2:10PM A Bold Vision for Co-Developing the
Future of TEM**

Amir H. Tavabi Forschungszentrum Jülich

2:25PM Next-Generation Electron Source Optics

Axel Lubk IFW Dresden

**2:40PM Adaptive Optics and New Electron
Detectors for Innovative TEM experiments**

Luiz Tizei CNRS-LPS Orsay

**2:55PM New Direction in Operando and
Correlative TEM**

Vittorio Morandi CNR-ISMN Bologna

**3:10PM AI-Driven Automation and
Data-Centric Workflows in TEM**

Enzo Rotunno CNR-Nano Modena

3:25PM Roundtable Discussion

Panellists

4:00PM Closing Remarks

After the session, join the poster presentations
to meet IMPRESS researchers and discuss their ongoing challenges.