



**EMAS Workshop Secretariat**  
c/o University of Antwerp  
Department of Chemistry  
Campus Groenenborger, Groenenborgerlaan 171  
2020 Antwerp  
**BELGIUM**

## GENERAL INFORMATION

The *Final Announcement* will be distributed in September 2024 to those returning the attached form.

A substantial reduction of the registration fee will apply to all students. Moreover, a number of EMAS Bursaries will be available for bona-fide students, early career scientists and technicians. Details will be given in the final announcement.

## WORKSHOP SECRETARIAT

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[www.microbeamanalysis.eu/](http://www.microbeamanalysis.eu/)

## INTERNATIONAL SCIENTIFIC COMMITTEE

Julien M. Allaz	<i>Switzerland</i>
François Brisset	<i>France</i>
Iris Buisman	<i>Great Britain</i>
Marc Campeny	<i>Spain</i>
Grzegorz Cios	<i>Poland</i>
Hans Dijkstra	<i>The Netherlands</i>
Ute Golla-Schindler	<i>Germany</i>
Stuart L. Kearns	<i>Great Britain</i>
Enrico Langer	<i>Germany</i>
Xavier Llovet *	<i>Spain</i>
Philipp Pöml	<i>Germany</i>
Joaquin A. Proenza	<i>Spain</i>
Silvia Richter	<i>Germany</i>
Bjørn Eske Sørensen	<i>Norway</i>
Cristina Villanova-de-Benavent	<i>Spain</i>

\* Chairperson of the International Scientific Committee

## FIRST ANNOUNCEMENT



## EMAS 2025

18<sup>th</sup> European Workshop  
on

## MODERN DEVELOPMENTS AND APPLICATIONS IN MICROBEAM ANALYSIS

11 to 15 May 2025

at the  
TecnoCampus  
Mataró (Barcelona), Spain

Organised in collaboration with the  
Universitat de Barcelona, Spain

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## SCOPE OF THE WORKSHOP

The primary aim of this series of Workshops is to assess the state of the art and reliability of microbeam analysis techniques.

The Workshops are organised in such a way as to maximise transfer of knowledge among the participants and to provide a comprehensive exhibition of the latest analytical equipment. The programme allows for adequate time and opportunities for participants to visit the technical exhibitions and hold discussions with the manufacturers.

## SCIENTIFIC PROGRAMME

The programme will consist of invited plenary lectures, poster presentations and round-table discussions on topics of the invited lectures, led by experts in the field. The main topics to be dealt with during this workshop will include:

- **Electron probe microanalysis (EPMA):** Soft X-ray spectroscopy; hyperspectral soft X-ray mapping; combined EDS-WDS; determination of oxidation state with soft X-rays; ....
  - **Electron backscatter diffraction (EBSD):** spherical indexing and indexing methods; high angular resolution strain; fully automated in-situ EBSD; extracting high-resolution data from low resolution EBSD patterns; ...
  - **Reference materials, quality control:** round-robin(s) on EBSD; quality control of quantitative microanalysis and reference materials; ....
  - **Micro- and nanobeam analysis in the Earth Sciences:** nanomineralogy of planetary materials; combined techniques to analyse ore deposit materials, ....
  - **Combined techniques:** nano-CT; combined analysis techniques in cultural heritage; microbeam analysis of lithium; correlative mechanical microscopy; ....
  - **Applications:** material science, geological science, environmental studies, planetary sciences, microelectronics, forensics, cultural heritage and archaeology, nanomaterials, surfaces and interfaces, catalysts, sensors, ....
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## POSTER PRESENTATION

All those intending to participate in the Workshop are encouraged to submit an abstract for a poster contribution. Deadline for abstract submission is November 15, 2024. Details of the format of the abstracts will be given in the *Final Announcement*.

## PUBLICATION

The text of the invited lectures and the abstracts of the poster presentations will be published in the *Book of Tutorials and Abstracts* of the Workshop.

Moreover, in addition to the invited lectures, the full papers of accepted poster contributions will be published in a proceedings volume, subject to formal review by referees selected by the International Scientific Committee.

## WORKSHOP LANGUAGE

The official language of the Workshop will be English.

## EXHIBITION

Ample space, immediately adjacent to the lecture and poster rooms, will be available for the exhibition of equipment, leaflets and books. Interested companies should contact the Workshop Secretariat.

## SOCIAL EVENTS

Include a Sunday informal get-together and Wednesday evening workshop dinner.

## FURTHER DETAILS

Please consult the webpage dedicated to the EMAS 2025 Workshop on the EMAS website at:

[www.microbeamanalysis.eu](http://www.microbeamanalysis.eu)

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Please put my name on your mailing list and send me a copy of the final announcement and registration form for the workshop:

## "Modern Developments and Applications in Microbeam Analysis"

to be held 11-15 May 2025 in Mataró (Barcelona), Spain.

Surname \_\_\_\_\_

First Name \_\_\_\_\_

Title \_\_\_\_\_

Company/Institute \_\_\_\_\_

Department/Division \_\_\_\_\_

Street \_\_\_\_\_

ZIP code \_\_\_\_\_ City \_\_\_\_\_

Country \_\_\_\_\_

Telephone \_\_\_\_\_ Telefax \_\_\_\_\_

E-mail \_\_\_\_\_

I intend to submit a poster:  No -  Yes with the following title(s), or on the following topic(s):

\_\_\_\_\_

Apart from the topics mentioned, I have a strong interest in the following one(s):

\_\_\_\_\_

Please send this first announcement also to:

Name \_\_\_\_\_

Address \_\_\_\_\_

ZIP code \_\_\_\_\_ City \_\_\_\_\_

Country \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

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