



EMAS Workshop Secretariat
c/o University of Antwerp
Department of Chemistry - Research group PLASMANT
Campus Drie Eiken - Universiteitsplein 1
2610 Antwerp-Wilrijk
BELGIUM

GENERAL INFORMATION

The *Final Announcement* will be distributed in September 2018 to those returning the attached form.

A substantial reduction of the registration fee will apply to all students. Moreover, a number of EMAS Grants will be available for bona-fide students, young scientists and technicians (under 30 years of age). Details will be given in the final announcement.

WORKSHOP SECRETARIAT

EMAS Workshop Secretariat
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INTERNATIONAL SCIENTIFIC COMMITTEE

Kurt Aasly	<i>Norway</i>
François Brisset	<i>France</i>
Maarten Broekmans	<i>Norway</i>
Miran Čeh	<i>Slovenia</i>
Hans Dijkstra	<i>The Netherlands</i>
Fernanda Guimarães	<i>Portugal</i>
Jarje Hjelen	<i>Norway</i>
Stuart L. Kearns	<i>Great Britain</i>
Enrico Langer	<i>Germany</i>
Janjun Li	<i>Norway</i>
Xavier Llovet	<i>Spain</i>
Michael B. Matthews	<i>Great Britain</i>
Philipp Pöml	<i>Germany</i>
Silvia Richter	<i>Germany</i>
Bjørn Eske Sørensen *	<i>Norway</i>
Giovanni Valdrè	<i>Italy</i>

* Chairperson of the International Scientific Committee
and of the Local Organising Committee

FIRST ANNOUNCEMENT



European Microbeam Analysis Society

EMAS 2019

16th European Workshop
on

MODERN DEVELOPMENTS AND APPLICATIONS IN MICROBEAM ANALYSIS

19 to 23 May 2019

at the
NTNU, Realfagbygget
Trondheim, Norway

Organised in collaboration with:
Norwegian University of Science and Technology
(NTNU)

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 be:

- **Electron probe microanalysis:** standards for development and validation of standardless and standard-based EDS, FE-EPMA quantification of WDS at low accelerating potentials, recent developments in soft X-ray emission spectroscopy, U Th Pb dating with the EPMA;
- **Electron backscatter diffraction (EBSD):** recent features in EBSD, latest developments in the indexing and collection of EBSD data, a dictionary indexing approach for EBSD, ECCI and EBSD;
- **Complementary techniques:** combined Raman and EDS, 3D SEM-EDS microanalysis, combined TEM and atom probe tomography, ...
- **Automated mineralogy:** overview, applications;
- **μ -X-ray fluorescence:** fundamental parameters in XRF, risk and benefits of diffraction in EDXRF mapping;
- **Applications:** material science, geological science, environmental studies, astrophysics, microelectronics, forensics, cultural heritage and archaeology, nanomaterials, surfaces and interfaces, catalysts, sensors, ...;

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, 2018. 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 2019 Workshop on the EMAS website at:

www.microbeamanalysis.eu

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 19-23 May 2019 in Trondheim, Norway.

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 _____
