

Workshop Registration

Introduction to scanning electron microscopy

Name, First Name

Organisation

Organisation Unit

Street

ZIP, Location

Phone

Fax

Email

By registering for the seminar, you consent to the processing of your personal data for the purpose of organising the seminar in accordance with the GDPR.

I hereby agree to receive the newsletter from TAZ GmbH. Your personal data will not be passed on to third parties. You can unsubscribe from the newsletter at any time.

Date, Signature

Company stamp

Dates (please tick)

12. November 2024

You will receive suggestions for accommodation with your registration confirmation. Please reserve your room at the respective accommodation in good time, as there may be bottlenecks during trade fair periods in Augsburg.

Registration:

Fax +49 (0)8205 - 518 40 99

Email aankner@tazgmbh.de



TAZ GMBH

WORKSHOP

Introduction to
scanning electron microscopy
in theory and practice

12. November 2024



Registration and information
TAZ GmbH
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AIM OF THE WORKSHOP

This seminar will provide you with an insight into the performance and possible applications of modern scanning electron microscopy (SEM). Among other things, the basics, contrast types, preparation and microscopy techniques will be presented. Many practical exercises will enable the seminar participants to independently generate an image on the SEM and to carry out and evaluate EDX measurements.

Realisation

The practical exercises will take place on up to two TESCAN scanning electron microscopes, depending on the number of participants. Both devices are equipped with EDX detectors (EDAX/Fa. Bruker).

Theoretical and practical content is taught alternately in meaningful units.

YOUR SPEAKER



Thomas Asam
M.Eng. Physical Technology



WORKSHOP PROGRAM

8.30 - 8.45 am: Thomas Asam

Welcome of the participants and introduction

8.45 - 10.15 am:
Set-up of the electron microscope

- > Structure of the electron microscope
- > Comparison with light microscopy
- > Resolving power and resolution limit
- > Signals and contrast types SEM (topography and material contrast)
- > Input parameters for image generation
- > Sample preparation

Break

10.30 - 12.15 am:
Practical exercises

Lunch Break

1.45 - 3.30 pm,:
Chemical analysis in the SEM: EDX

- > Theoretical principles
- > Overlay effects

Break

3.45 - 5.00 pm:
Practical exercises

5.00 pm:
Opportunity to visit the laboratory facilities

RATE

1.080,- Euro (plus 19 % VAT)

SERVICES

The seminar price includes

- > Training documents
- > 1 lunch together
- > Consumables
- > Work on the devices
- > Certificate of participation according to ISO 9000ff

PARTICIPATION

In order to ensure an optimal and efficient training programme, the number of small number of participants. We therefore ask you to register registration.

REGISTRATION

To register, please return the registration form to us by fax or email.

REGISTRATION DEADLINE

2 weeks before the scheduled date

CANCELLATION

Please understand that in the event of cancellation after receipt of the written of the written registration we will have to charge you 15 % of the unless you have registered a substitute participant.