

# Find Microanalysis a Puzzle?

Need a Refresher?



Join our free Microanalysis Educational Workshops

Join one of our **FREE Microanalysis Educational** workshops in a location near you. Gather new information or refresh your knowledge on EDS analysis and broaden your skills in chemical analysis within the SEM and TEM.



We present a comprehensive program of vendor neutral presentations that cover all stages of the microanalysis experiment:

- Electron beam interactions and X-ray generation in the electron microscope.
- Selecting the right X-ray detector for your application.
- Considerations for energy resolution, solid angle/crystal size, and light element performance.
- How to properly prepare samples.
- Best practices for operating the SEM in analysis mode.
- Qualitative spectroscopy, quantitative analysis, and mapping.
- Learn how phase mapping and principal component analysis improve large area mapping.
- The benefits of adding WDS and EBSD analysis to your SEM.

#### Dates and Locations

4 June	Frankfurt, Germany
18 June	East Grinstead, UK
19 June	Breda, The Netherlands
2 September	Copenhagen, Denmark
4 September	York, UK
28 October	Munich, Germany
19 November	Frankfurt, Germany

Time	Presentation
09:00 – 09:30	Registration
09:30 – 09:40	Introduction and Course Overview
09:40 – 10:30	Theoretical Aspects of Energy Dispersive Spectroscopy (EDS)
10:30 – 11:00	Choosing an EDS Detector
11:00 – 11:15	Break
11:15 – 11:45	Spectral Analysis
11:45 – 12:15	Qualitative Techniques
12:15 – 13:00	Lunch
13:00 – 13:40	Quantitative Techniques
13:40 – 14:00	Spectral Imaging
14:00 – 15:00	Element, Quant and Phase Mapping Considerations and Best Practices
15:00 – 15:15	Break
15:15 – 15:45	When to Employ WDS or EBSD to Enhance your Analysis
15:45 – 16:15	Q&A
16:15	Close

Join us to learn from our Applications Scientists whether you are new to microanalysis or just need a refresher. These workshops are applicable to users of all instrument manufacturers. Attendance is free and refreshments will be provided.

**Places are limited so reserve your seat today at [www.thermoscientific.com/microanalysisworkshops](http://www.thermoscientific.com/microanalysisworkshops)**