

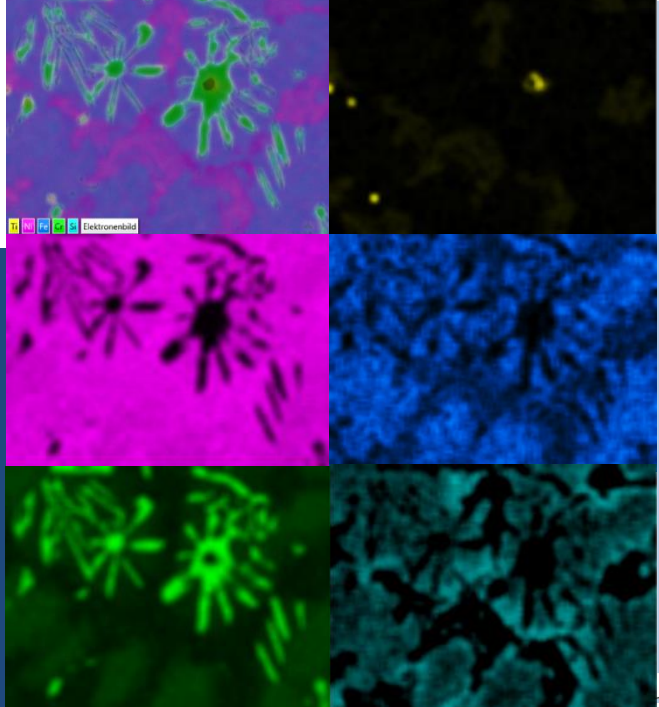


Industry meets Academia

EDS Training School

19.05.-20.05.2015

Espoo, Finland



Training School Content

Energy Dispersive X-ray Spectroscopy (EDS) is one of the routine analysis tools in the Scanning Electron Microscope. While data acquisition is achieved basically by press of a button in all modern EDS-systems, a basic understanding of the physics behind X-Ray generation and signal processing helps optimizing operating conditions and avoiding data misinterpretation. During the training school, you will be prepared for day-to-day measurement routine and also learn how to independently solve problems beyond the daily routine. During lectures, demos, and exercise, you will be familiarized with the following topics:

1. Physics of e-beam and material interaction – X-Ray generation
2. Interaction volume and related analysis strategies
3. Optimizing operating conditions: Process time, dead time, live time, acquisition time, etc.
4. Spectrum processing and interpretation
5. ZAF correction

6. Quantitative analysis
7. Mapping, linescans, phase maps
8. Sample prep and artifacts

Target Group

Researchers and technical assistants from industry, research institutes, universities or public institutions who want to get familiarized with EDS analytics in the SEM as well as more experienced users who want to deepen their knowledge and practical experience in using EDS.

Training school manager

Dr. Sven Curtze

Place

Aalto University, Puumiehenkuja 3, Espoo, Finland.

Price and sign-up

The training school fee is 800 € (excl. VAT). Please sign up at www.nacon.fi or return the sign-up form via e-mail to info@nacon.fi.

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