

Getting the best from Quantitative Analysis

One day practical training course for users of EDS Microanalysis on the SEM

The course is limited to 6 delegates to allow 'hands on' practical sessions. During the day there will be opportunity for discussion of specific analysis problems

Objectives

On this course you will learn how to:

- Choose the most appropriate SEM and ED operating conditions
- Correctly interpret the ED spectrum
- Appreciate diagnostic information in the quantitative processing
- Improve the accuracy and precision of quantitative analysis
- Be confident about the reliability of results presented to your customers
- Prepare different sample types

Pre-requisites

This course is most suited to users of Inca ED system, but will also have value for users of other systems. Delegates should have some basic practical knowledge of using EDS on the SEM

Course Outline

- Introduction to Quantitative microanalysis
- Processing the spectrum
- Correcting for Matrix effects
- The influence of sample, SEM and ED operating conditions
- What can go wrong with an analysis
- Understanding accuracy and precision
- Correct interpretation of results
- Sample preparation
- Questions and answers

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