

AZtecEDS Applications Course Agenda

AZtec system components

- Hardware and detector care and maintenance
- Help, manual and videos
- The AZtec user interface

AZtec Energy image and spectrum acquisition

- Point and ID, comparing spectra and mini-quant
- Microscope control
- SEM conditions, kV and working distance
- Acquisition Pre-sets and Process time
- Peak Identification and diagnostic tools
- Effects of low vacuum and variable pressure
- Simultaneous acquisition and processing

Quantitative Analysis

- Requirements for accurate quant and pre Quantitative analysis checks
- Tru Q - Standardless quantitative analysis using the default standards
- Diagnostic tools and interpreting the results

Calibration

- Optimize navigator
- Beam measurement
- Introduction to Standardize

Imaging, SmartMaps, Linescans

- Optimising image, map and linescan acquisitions
- Creating a layer image
- Autolayer
- TruMap, TruLine and QuantLine
- Analyze Phases
- Practical Session
- Large area mapping and image registration

Saving, reporting and exporting

- Copy and email
- Report templates and batch reporting
- Preferences, profiles and step notes

Further topics

- Guided and Custom views and using two monitors
- Software licensing
- Troubleshooting, Tidy Up



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