

AZtecEBSD Applications Course Agenda

Day 1

AZtec system components

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

AZtec Energy/EBSD image, pattern 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
- Collecting an Image/FSD imaging
- Generating EBSPs
 - Collecting background and enhancing the EBSP
 - Setting EBSP acquisition parameters (binning, dwell time...)
- Indexing EBSPs
- Phase ID
- Large area mapping
- Calibration refinement

Day 2

Data Processing

- Overview of data processing tools in AZtec
- Overview of data processing tools in Channel5
 - Project manager
 - Tango (maps)
 - Mambo (Pole figures and inverse pole figures)
 - Salsa ((mis)orientation distribution functions)

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 and INCA monitor



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