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