

TRAINING CONTENT

PRINCIPLES AND IMPLEMENTATION OF ASPEX AUTOMATED ANALYSIS

This course builds on the fundamental operation by providing in-depth training of the automated operation of the ASPEX SEM/EDX utilizing the Automated Analysis Software packages offered by ASPEX.

- **Overview of Automated Feature Analysis (AFA)**
 - Proper applications for AFA and the value of AFA
- **AFA Concepts and Terminology**
 - Discussion of the theory behind AFA and a fundamental understanding of the capabilities of the software package
- **Vector Files**
 - Explanation of the role of ASPEX's Vector files in elemental composition analysis and the automated identification of features within a sample
- **Rule File Development**
 - A detailed overview of how Rule files can be created for any application and how they work to rapidly classify the features of interest
- **Establishing Thresholds**
 - A thorough explanation of the rationale behind thresholds and how they are involved in optimal feature identification and characterization
- **Creation of Templates**
 - The generation of AFA Templates will be covered and how these templates might improve productivity and efficiency in your routine analyses will be addressed
- **Complex Feature Analysis (CFA)**
 - Detailed description of how CFA works and when CFA is necessary to use
- **Report Generation**
 - The utilization of ASPEX's reporting software and a demonstration of how to operate each platform and their functions and capabilities
- **Utilizing ASPEX's Tabular Reporter software**
 - Demonstration and details of all the functions and capabilities of Tabular Reporter