**Instructors**

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**Course Information**

**Description.** This is a comprehensive course that covers production, testing, and implementation of SpatialAnalyzer measurement plans in today's modern portable metrology industry. It is a complete course on scripting in SA, including techniques and best practices for automating measurement, analysis, and reporting tasks in SA.

**Duration.** Three days.

**Prerequisites.** This course assumes thorough knowledge of non-automated SA operation. The student should have sound knowledge of measurement, analysis, and reporting techniques. One year of SA experience is considered ideal. Familiarity with basic programming techniques is helpful.

**Organization.** This is a lecture-lab in which topics are presented and demonstrated by the instructor. Example scripts will be developed together as a class.

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**Featured Topics**

**OVERVIEW**  
MPs defined.  
Fundamentals.  
Applications.

**FORMATS**  
Embedded.  
External.  
Quick MPs.

**THE MP EDITOR**  
Commands.  
Arguments.  
Variables.  
Breakpoints.  
Comments.

**DATA TYPES**  
Boolean.  
Integer.  
Double.  
String.  
Type conversion.

**LOOPS**  
Iterated.  
Counted.

**ERROR HANDLING**  
Debugging.  
MP Watcher.

**INTERFACING**  
Microsoft Office.  
Custom Code.

**MEASURING WITH MPS**  
Testing in simulation mode.  
Scripting the measurement process.