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Recent software developments for full spectral analysis of Raman, IR, cathodoluminescence spectra etc.

With the new release of MountainsSpectral® software, users working with spectra can now access tools for analyzing their data from A to Z and benefit from the robust and easy-to-use analysis software platform used by thousands of scientists and researchers worldwide.

Data from multiple instrument techniques (AFM, SEM, spectroscopy, profilometry etc.) can be brought together, correlated and analyzed in one single software program. Mountains® software unique document layout can be fully customized and converted to PDF format for sharing. The analysis workflow allows complete traceability in the analysis process; crucially, users can revert back to and modify any step. Automation features are also available for batch processing large quantities of data.

The most recent developments largely improve visualization, pre-processing and analysis of spectra, series of spectra (one-dimensional hyperspectral data) and hyperspectral images (2D hyperspectral data). Capabilities include:

- Baseline correction & noise filtering
- A wide range of display options (style, axis, curves to display, envelope etc.)
- Manual or automatic peak detection
- Parameter maps

Figures

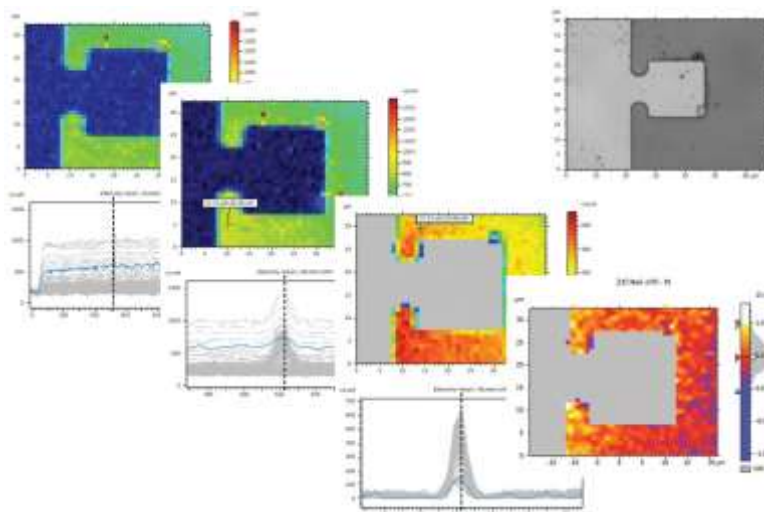


Figure 1: Strain analysis in crystalline silicon using Raman spectroscopy and MountainsSpectral® software.