

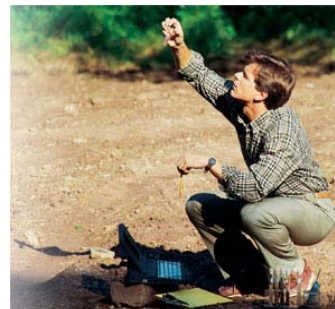


Complimentary Webinar: Geochemical Analysis: From Macro to Micro

[Please join us](#) for a live webinar presentation.

Learn about complementary analytical methods for determination of major and trace elements in bulk samples in geochemistry. Extend the analysis to chemical mapping and local phase identification. Learn how in our one-hour educational webinar that introduces you to elemental and morphological analysis with:

- Photons (XRF and Raman spectroscopy)
- Electrons (SEM/EDS)



Date:

Tuesday, March 6, 2012

Time:

[Session 1](#) - 10:00 AM (EST) / 14:00 (UTC/GMT) [Check Time](#)

[Session 2](#) - 4:00 PM (EST) / 21:00 (UTC/GMT) [Check Time](#)

Duration:

1 hour

What You Will Learn

We start with the traditional bulk analysis of the major and minor elements in a geological sample. Then we will proceed to investigate the same sample using increasingly smaller spatial resolutions, starting with the mineralogical composition of major and minor species using WDXRF and Raman. We then map the sample using the same XRF/Raman instruments. SEM/EDS contributes a map of the chemical composition and phase of the sample on the micron scale. Finally, Raman mapping of the sample will reveal the molecular structure and distribution of the sample components.

The combination of these complementary analysis techniques brings in a comprehensive collection of both elemental, phase and molecular data—all from the same sample, collected quickly and efficiently.

As part of this webinar, our team of Raman, XRF and EDS application scientists will specifically investigate:

- What can we see as a function of spot size?
- Which elements are detectable?
- How can we correlate phase composition with elemental distribution?
- What can we do with the data acquired?

Along the way you will pick up the basics on XRF, XRS, EDS, and Raman, as well as learn what Sir Walter Rayleigh discovered is exciting for both photons and X-rays!

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