



Raman Educational Series Webinar

In 2022, HORIBA launched a **series of Raman educational webinars** designed to educate and inform participants about key features and properties of Raman.

HORIBA webinars are live, combining presentations, instrument demonstrations and sample analyses. Participants can ask questions, provide feedback, and engage in discussions with the presenter.

Overall, the webinar educational series provides a flexible and accessible way for individuals to acquire knowledge, engage with experts, and connect with a broader community of Raman users without the need for physical presence or travel.

How to calibrate a Raman microscope

Raman microscopy couples both submicron-scale spatial resolution with high spectral resolution. Thus, achieving the best performances is dependent on a good calibration in both spatial and spectral dimensions.

During this webinar, we will detail the different calibration routines applied for Raman microscopy to achieve ideal measurements while remaining compliant with regulations. We will also explain how these routines work and why they are important to consider.



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What makes Raman microscopy the ideal coupling method between optical microscopy and chemical characterization?



Optical microscopy is very common technique for visualization and characterization at the micron scale. Many modalities exist to highlight different features. However, in many cases, the **chemical information** often missing. Raman spectroscopy is a complementary technique that can provide chemical information about the sample.

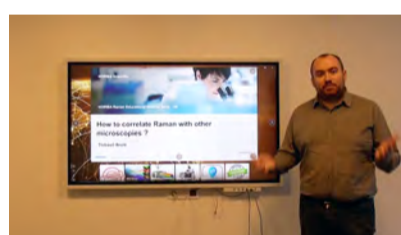
During this webinar, we will present how these **different microscopy modalities**, combined with Raman spectroscopy, make Raman microscopy so powerful.

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How to correlate Raman with other microscopies?

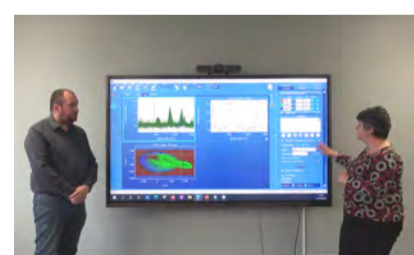
Raman microscopy provides both **molecular and morphological information** of the analyzed sample. However, sometimes it is not enough to fully understand a physical or chemical process. That's why the Raman information has to be coupled with complementary information.

Learn about the different solutions that exist **to combine Raman with other microscopy techniques**, like SEM, AFM, and all other microscopy techniques.



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How to process and analyze Raman data ?



Learn about the impact of processing on Raman spectra and the solutions for Raman image analysis, including multivariate analyses

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