



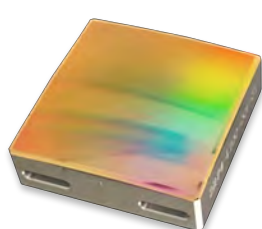
Would you like to update your knowledge on Raman spectroscopy?

Whether you're a novice or an expert, there's always more to discover about this ever-advancing technology. HORIBA provides you with new resources.

We'd also be happy to collaborate with you on new application notes or to host your publication on our website, so please don't hesitate to contact us for more information.

[I would like to collaborate on application notes](#)

Enhancing NIR Sensitivity in Raman Spectroscopy



Raman spectroscopy is a non-destructive analytical technique that provides detailed information about the vibrational modes of molecules, revealing their chemical composition and structure. Despite its advantages, the technique faces sensitivity challenges, especially in the near-infrared (NIR) region, due to the weak intensity of Raman scattering.

HORIBA has developed solutions including blazed gratings optimized for the 750 nm wavelength and a specialized NIR objective, **designed to enhance the sensitivity of Raman spectroscopy in the NIR range for applications in complex biological systems, advanced materials research, and manufacturing quality control.**

[Download the technical note](#)

Raman Explained FAQ

After reading these brand-new pages and watching the videos and webinars, you'll be fully equipped to answer all these questions.

[What is Surface-enhanced Raman Scattering \(SERS\)?](#)

[What are the Raman effect and Raman scattering?](#)

[Can you perform in-situ analysis with Raman spectroscopy?](#)

[Is sample preparation needed to perform Raman analysis of glass defects?](#)

[How do you ensure good calibration on a Raman system?](#)

[Can Raman measure thickness of thin films on transparent substrates?](#)

[Can you perform particle characterization using Raman microscopy?](#)

[How can you tell if a Raman system is confocal?](#)

[Can you perform Raman measurements in a controlled environment?](#)

[What are the best modes for fast Raman mapping?](#)

[What are the key unique features of LabRAM™ Soleil?](#)

[How do you obtain the best Raman spectral resolution?](#)

RamanFest: Save the Date

Are you eager to share your latest research? Do you want to engage with peers in your field? Don't hesitate—come to RamanFest!

This event will cover a wide range of topics, including:

- Artificial Intelligence
- Clinics & Health
- Cultural Heritage
- Environment, Recycling & the Circular Economy
- Novel / Renewable Energies
- Raman Methodologies (CARS, SRS, TERS, SERS, etc.)
- Regulations
- Semiconductors and Innovative Materials
- Raman and Sports
- Valorization: From Lab to Business

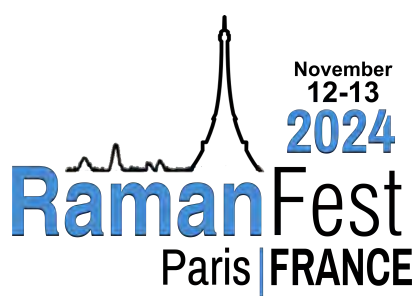
Don't miss this opportunity to connect, learn, and discuss the latest in Raman with experts from various fields. We look forward to seeing you there!

Location: Cité Universitaire – Fondation Biermans-Lapôtre, 9A Boulevard Jourdan, Paris 14

Date: November 12-13, 2024

Upcoming deadlines

- Oral Abstract Submission June 28th
- Poster abstract Submission July 5th
- Early bird registration September 23rd



[Submit your abstract - here](#)

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