

Raman Multivariate Analysis

Reference

RAM3

Price

605€ per attendee

Duration

1 day

Dates

24 May and 7 October 2024

Schedule

From 9 am to 5.30 pm

Registration deadline

24 April and 7 September 2024

Location

14 Boulevard Thomas Gobert,
91120 Palaiseau - France

Prerequisites

Dedicated for HORIBA Customers only and knowledge of the technique and equipment.

Who should attend

Users of HORIBA Scientific Raman spectrometers who already understand the fundamentals of Raman spectroscopy and know how to use HORIBA Raman system and LabSpec Software. It is advised to participate in the basic Raman training first (RAM1).

Certification

A diploma is delivered at the end of the course.

Learning method

Theoretical presentation and instruments practice.

Course language

English

Objectives

- Understand the Multivariate Analysis module.
- Learn how to use Multivariate Analysis for data treatment.
- Perform real cases of data analysis on demo and customer data.



PROGRAM

Day 1

Introduction to Multivariate Analysis:

- Univariate versus Multivariate analysis.
- Introduction to the main algorithms: decomposition (PCA and MCR), classification and quantification (PLS).

Practical work on known datasets (mapping):

- CLS, PCA, MCR.

Introduction to classification:

- HCA, k-means
- Demo with known datasets