Measurement made easy

A concise and informative FT-IR / FT-NIR calibration course for scientists, engineers, advanced operators and laboratory technicians

Overview

This course has been designed by ABB’s experienced chemometrics team to enable trainees to acquire the background information required to understand the technology as it relates to their company. ABB’s training can be customized to specific processes and workflow yet still provide trainees with a solid foundation in FT-IR / FT-NIR theory using the partial least squares (PLS) industry-standard calibration techniques. By focusing on their specific application, trainees receive training that can be used instantly upon completion of the course, with the skill and confidence required to develop robust PLS models using our own ‘realworld’ data sets.

Training includes:
— Understanding the basics of FT-IR / FT-NIR spectroscopy
— Developing and updating chemometric models (with data specific to the trainees’ plant or with typical industry-related data) using PLS and classical quantitative tools within the Horizon MB FTIR™
— Implementing or customizing the Horizon MB QA™
— Developing discrimination models to determine material identification / confirmation automatically
— Developing and implementing statistical discrimination criteria that are customized according to the trainees’ specific quality control requirements

* ABB’s chemometrics team can also supply calibration services for special projects or specific needs
Key features

Who should attend:
— Scientists, engineers, advanced operators and laboratory technicians.
— Current and future users of ABB FT-IR products.
— Laboratory and at-line systems end-users.
— New employees.

Duration:
— 3 days.

Number of participants:
— Minimum 6, maximum 8.

Location:
— ABB Inc., Quebec, Canada.
  (additional locations are available – consult the schedule for details).

Language:
— English.

Not included with the course:
— Travel expenses and accommodation.

Disclaimer:
— ABB will not refund the payment if the trainee does not attend the training session
— If we do not receive the minimum number of registrations, ABB will advise all registered attendees 3 weeks in advance as to whether the training session will be held or cancelled. It is strongly recommended that you do not reserve hotel rooms or purchase airplane tickets before receiving confirmation from ABB.
— In order to reserve your place, ABB must receive a purchase order 6 weeks before the scheduled date.

On-site training available:
— For details, contact the ABB Analytical Business Unit at ftirsupport@ca.abb.com. On-site training requires a minimum of 6 trainees. Charges include travel expenses for the trainer and all materials.

For more information please contact:

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