

Bruker cordially invites you to attend our free pre-conference EFNS Technology Day on Tuesday, 12th March 2024. The workshop will take place in advance of the [1st European Meeting on InfraRed Nanospectro-Imaging](#) at the University Paris-Saclay in Orsay, France.

This workshop will focus on the latest advances in nanochemical imaging and spectroscopy, showcasing Bruker's photothermal AFM-IR technology and its use in fields, such as life sciences, polymers, 2D materials, and micro-electronics. The workshop will include:

- Keynote presentations
- Introduction to the theory and interpretation of photothermal AFM-IR data
- Advanced data processing and IR Spectral ID Software
- Practical workshops and hands-on training sessions:
  - [Bruker's Dimension IconIR system](#)
  - Multimodal nanoscale surface characterization with our latest scientific NanoIR instrumentation
  - Relevant application examples

## Highlights

- Gain hands-on experience on state-of-the-art photothermal AFM-IR instrumentation
- Learn about the latest innovations
- Tips and tricks on how to get the best results from your system and samples

## Costs

The EFNS Tech Day is free of charge.

It is not necessary to attend the IR Nanospectro-Imaging Conference.

## Registration

[Click here](#) to register for the EFNS Tech Day.

Please note that this registration is for the EFNS Tech Day only. You must register separately for the 1<sup>st</sup> European IR Nanospectro-Imaging Conference 2024.

Please don't hesitate to contact us at [productinfo.emea@bruker.com](mailto:productinfo.emea@bruker.com) if you have any questions.

## Agenda – Tuesday, March 12<sup>th</sup>, 2024

- 08:45 - 09:00** Registration
- 09:00 - 09:10** Welcome
- 09:10 - 10:40** **AFM-IR: Fundamental Principles and Applications**  
*Prof. Alexandre Dazzi, Université Paris-Saclay, France*
- 10:40 - 11:00** Coffee Break
- 11:00 - 11:30** **Latest NanoIR Technology and Instrument Developments – What’s New?**  
*Dr. Cassandra Phillips, Bruker Nano Surfaces, USA*
- 11:30 - 12:00** **Chemical Identification using KnowItAll Spectral Databases**  
*Andreas Schmid, John Wiley & Sons, Inc., Germany*
- 12:00 - 12:30** **Use of AFM-IR in Polymer Applications**  
*Dr. Mikhail Malanin, Leibniz Institute of Polymer Research Dresden, Germany*
- 12:30 - 13:00** **Use of AFM-IR for Bioscience Applications**  
*Prof. Francesco Simone Ruggeri, Wageningen University, Netherlands*
- 13:00 - 14:00** Lunch
- 14:00 - 16:00** **Practical Session Part 1**  
Lab Tour – AFM-IR Facilities  
Deep dive into KnowItAll databases for IR-Spectra - Meeting Room 1  
Q&A Session: Understanding Photothermal AFM-IR - Meeting Room 2  
Online Demo: Extracting Mechanical Properties with AFM – Lecture Room
- 16:00 - 16:30** Coffee Break
- 16:30 - 18:30** **Practical Session Part 2**  
Combining the Best of Both Worlds – Lecture Room
- 19:00** Bruker Social Event

