PHOTOTHERMAL AFM-IR WORKSHOP

# Bruker Tech Day 2026

June 16, 2026 | Rome, Italy

**Bruker cordially invites you to attend our free pre-conference Bruker Technology Day on Tuesday, 16th June 2026.**

The workshop will take place in advance of the 2nd European Meeting on InfraRed Nanospectro-Imaging at the Sapienza University in Rome, Italy (17-19 June 2026). It 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 and Bruker's Dimension Nexus system

## 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

## Agenda – Tuesday, June 16th, 2026

**08:30 - 09:00** **Registration**

**09:00 - 09:10** **Welcome**

**09:10 - 09:55** **Introduction and overview of AFM-IR spectroscopy**
*Dr. Jérémie Mathurin, Université Paris-Saclay/CNRS*

**09:55 - 10:15** **Coffee Break**

**10:15 - 10:30** **Latest NanoIR developments**
*Dr. Cassandra Phillips, Bruker Nano Surfaces, USA*

**10:30 - 11:00** **Infrared nanospectroscopy under external fields: from applied bias to focused THz beams**
*Dr. Valeria Giliberti, Physics Department, Sapienza University of Rome*

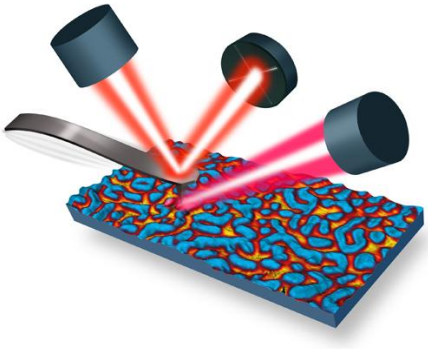
**11:00 - 11:30** **Highest resolution AFM-IR nano imaging and spectroscopy - how to drive into single molecule**
*Prof. Francesco Simone Ruggeri, Wageningen University Netherlands*

**11:30 - 14:00** **Lab Tours**

**12:00 - 13:00** **Lunch**

**14:00 - 17:00** **Demo Sessions**
Discover complementary chemical, mechanical and electrical nanoscale property mapping with Bruker's unique AFM- and AFM-IR modes, automation, data analysis, details of proper AFM-IR operation and mode selection for different applications featuring Bruker's brand-new Nexus, IconIR AFM and AFM-IR systems.

**17:00 - 18:00** **Welcome Reception**



Dimension Nexus AFM

Dimension IconIR

## Costs

The Bruker Technology Day is free of charge.
It is not necessary to attend the IR Nanospectro-Imaging Conference.

## Location

The workshop will be hosted at Sapienza University of Rome in the same rooms as the 2nd European Meeting on InfraRed Nanospectro-Imaging. Click here to see a map indicating the location of the rooms, the main entrance, and the walking route between the two venues.

## Registration

**Click here or scan the QR code to register for the Bruker Tech Day.**

*Please note that this registration is for the Bruker Tech Day only. You must register separately for the 2nd European IR Nanospectro-Imaging Conference 2026.*

**Don't hesitate to contact us at productinfo.emea@bruker.com if you have any questions.**