



PHYSICAL ELECTRONICS GMBH

AFM-IR: Spatial Resolutions of 10nm and below

AFM-IR Workshop: Nanoscale IR Spectroscopy
Hosted by Leibniz-Institut für Polymerforschung Dresden e. V. (IPF)
with Anasys Instruments & Physical Electronics GmbH

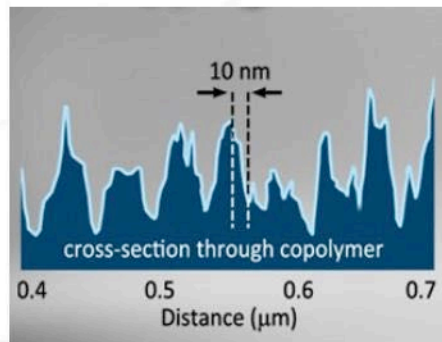
Date November 29th 2017

Location IPF, Hohe Str. 6, 01069 Dresden; Germany



Live Demonstration of
the Anasys Instrument's
nanoIR2 System.

nanoIR2



Learn more about the
New sub-10nm
nanoscale IR Spectroscopy
based on Tapping AFM-IR.





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Why using AFM-IR?

Patented AFM-IR technique

AFM-IR technique, achieves sub-monolayer sensitivity with <10 nm spatial resolution for chemical imaging and nanoFTIR spectroscopy.

FASTspectra

- Highest performance nanoscale IR spectroscopy with unrivalled signal to noise performance
- Broadband IR spectroscopy in seconds
- Direct correlation to bulk FTIR techniques

Tapping AFM-IR

- Latest generation AFM-IR imaging mode
- Provides <10 nm resolution chemical imaging and simultaneous mechanical property mapping and topography

The workshop is free of charge including catering as well as information material.

Registration by e-mail: szauzig@phi-europe.com

URLs: www.phi-gmbh.eu

<http://anasysinstruments.com/>

<https://www.ipfdd.de/de/abteilungen-und-gruppen/institut-makromolekulare-chemie/analytiks/>

Agenda:

WED 29th at IPF – Dresden

10:00 Registration and Welcome

10:30 **Introduction AFM-IR** by Dr. Miriam Unger; Anasys Instruments

11:30 Coffee Break

12:00 **Talk: Latest generation nanoscale IR Spectroscopy & Applications** by Dr. Miriam Unger

12:45 Lunch

13:45 **Talk** by Dr. Anna Maria Elert; BAM-Bundesanstalt für Materialforschung und -prüfung



14:30 **Practical Sessions:** Demonstrations of the nanoIR2 and Lab Tour

16:00 Summary, Wrap up, Questions and Time for Discussions

16:30 End of Workshop and Departure



Dr. Klaus-Jochen Eichhorn

Head of Department of Analytics- IPF Germany



Dr. Miriam Unger

European Appli. Manager Anasys Instruments Germany



MSc. Stefanie Zauzig

Marketing Physical Electronics GmbH; Germany

