



AFM Seminar

Material and bio-science applications, new developments and advanced techniques

Program:

- 10:00: Introduction to AFM: technology and general applications
- 11:00 : New Technologies: automation, high-resolution, RSI (Raster Spring Imaging) etc
- 12:00 : Presentation of Advanced Polymer Materials Group
- 12:30 : Snacks and coffee
- 13:00 : Live Demonstration with Ntegra Prima AFM on your samples
- 14:15 : Q&A Session

Lecturers:

Prof.dr. Horia Iovu (UPB)
Dr. Ivan Bykov (NT-MDT)
Dr. Stanislav Leesment (NT-MDT)

Date: April 24th 2013, 10:00 AM

**Location: Faculty of Applied Chemistry and Materials Science,
Calea Victoriei 149, VA Amphitheater**

Seat number is limited. Please **register now** at: www.nanoteam.ro or email codrin_mardare@nitech.ro

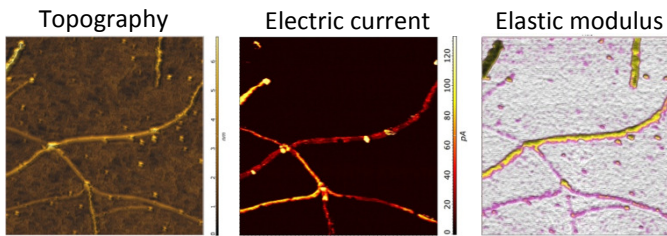
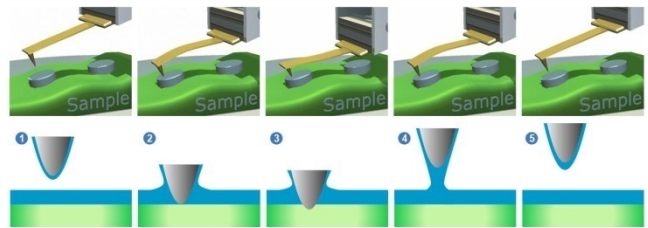
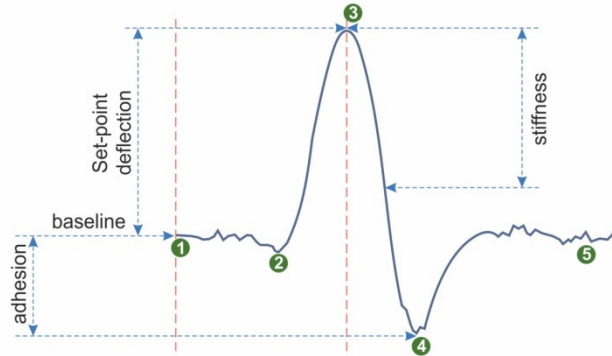


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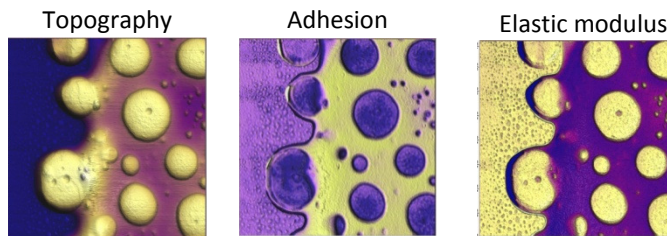
www.ntmdt.com

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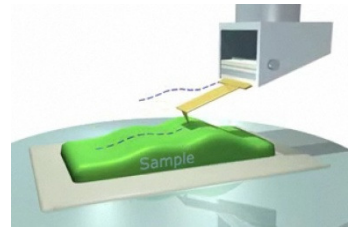
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Carbon nanotubes on Si. Scan size 1x1 μm



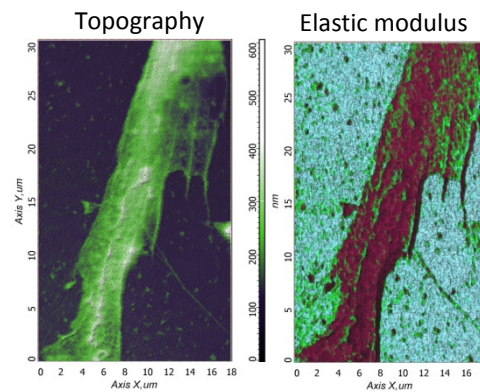
Polystyrene -polybutadiene blend on Si. Scan size 4x4 μm



RASTER SPRING IMAGING

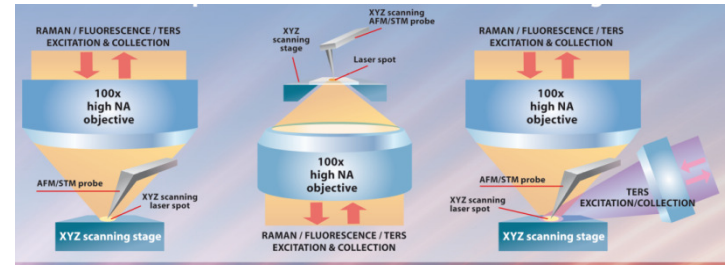
One curve –
Multiple information

- Topography
- Elastic modulus
- Adhesion map
- Electric current



Stem cell in liquid. Scan size 18x30 μm

AFM-STM-SNOM-Raman-TERS



Live AFM
measurements
with NTEGRA

