

Introduction to Confocal Raman and Scanning Probe Microscopy

30th October 2012 – Lomonosov MSU, Faculty of Physics, Moscow, Russia

This workshop will give a detailed introduction to the operational principles and instrumental configurations relevant to confocal Raman and Scanning Probe Microscopy (AFM, SNOM, Pulsed Force Mode). Our Speakers will cover several aspects of Raman and SPM imaging and their fields of applications. An extensive system demonstration gives the participants the opportunity to see this knowledge applied materials and polymer sciences, archaeology and geoscience, forensics, coatings, thin films and all fields where a clear identification of the distribution of chemical compounds is a necessity using an alpha300 Microscope. Participants are welcome to submit their individual samples at this workshop for evaluation in the WITec headquarter. Scientists interested in how to chemically identify and image the compounds of a sample at the highest spatial resolution are invited to participate. Typical research fields for confocal Raman imaging are pharmaceuticals and cosmetics, materials and polymer sciences, archaeology and geoscience, forensics, coatings, thin films and all fields where a clear identification of the distribution of chemical compounds is a necessity.

Program *Tuesday, 30th of October 2012*

10.00 - 10.05	Welcome	Dr. Radmir Khasaya / Local Partner, Moscow
10.05 - 10.15	WITec Introduction	Dr. Jan Toporski / Sales Manager, WITec
10.15 - 10.55	Combining High Resolution and Scanning Probe Microscopy	Dr. Ute Schmidt / Application scientist, WITec
10.55 - 11.15	User report / Institute of Geology and Mineralogy SB RAS, Novosibirsk	Dr. Andrey Korsakov
11.15 - 11.35	User report / Moscow State Institute of Radio-engineering, Electronics and Automation, MIREA	Dr. Sergey Lavrov
11.35 - 12.00	Equipment Demonstration / Discussion	
12.00 - 13.00	Get together by Coffee	

Workshop venue: Lomonosov Moscow State University,
Leninskie Gory 1 - 35, Moscow
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