

Vibrational Spectroscopy of Nanolayers with Optical Probes

Symposium within the Thin Film Division, DPG Spring Meeting 2008, 25 – 29 February

Organizers: Prof. Dr. Norbert Esser, ISAS-Institute for Analytical Sciences, Dept. Berlin, esser@isas.de
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Vibrational spectroscopy with linear and nonlinear optical probes provides promising potential to study interfaces and local structures with nanometer sensitivity. This symposium focuses on recent advances in fundamentals, method development, and applications of Raman, IR, and SFG based nanoanalysis.

Invited Lectures:

Dr. Karsten Hinrichs, ISAS Berlin, Dept. of Interface Spectroscopy
- Infrared Ellipsometry on Functional Films at the Liquid-Solid-Interface

Prof. Dr. Annemarie Pucci, Universität Heidelberg
- Surface Enhanced Infrared Spectroscopy

Prof. Dr. Günther Rupprechter, TU Wien, Institute of Materials Chemistry
- Ambient Pressure Spectroscopy of Catalytically Active Nanostructures: Mind the Gap!

Prof. Dr. Markus Raschke, University of Washington, Seattle, USA:
- Vibrational Dynamics on the Nanoscale

Dr. Bruno Pettinger, Fritz-Haber-Institut Berlin, Abt. Physik. Chemie:
- UHV-based TERS on adsorbed molecules

Dr. Volker Deckert, ISAS Dortmund, Dept. of Proteomics
- Laterally resolved Raman spectroscopy on biological samples

Dr. Rainer Hillenbrandt, MPI für Biochemie, Martinsried, Nano-Photonics Group
- Near-field Infrared Nanoscopy and Nanospectroscopy

Sessions for **contributed talks** and **contributed posters** will be allocated as well. Thus we would like to encourage all interested groups/colleagues to submit contributions on recent results and ongoing developments in the topics addressed by the symposium. Deadline for abstract submission is: **15th of November 2007**. For abstract submission please use the internet template at www.dpg-tagung.de/bo8/submission.html. Further information on the DPG conference, symposia and abstract submission is available under www.berlino8.dpg-tagungen.de.

We are looking forward to stimulating discussions in a rapidly evolving interdisciplinary field!

A.P. and N.E.