



International Max Planck Research School

Complex Surfaces in Material Science

Introductory Block Course

"Chemistry and Physics of Surfaces"

October 4.-7. and October 10.-13. 2005

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Newtonstr. 15, 12489 Berlin-Adlershof

An introduction into concepts and basic aspects of surface and interface science. Given by speakers from the Humboldt University, the Free University and the Fritz-Haber-Institute (MPG) in Berlin.

Open to all students, Ph.D. students, postdoctoral scientists and guests. You are welcome to attend - no registration required!

	9:30 11:00	11:30 13:00
Tuesday 04.10.05	H. Winter: Studies on surface properties by scattering of atoms and ions	H.-J. Freund: Introduction into surface spectroscopy
Wednesday 05.10.05	H.-J. Freund: Introduction into surface spectroscopy	H. Winter: Studies on surface properties by scattering of atoms and ions
Thursday 06.10.05	K Christmann: Adsorption at surfaces I - Thermodynamics	P. Rinke: The theoretical toolbox to describe the electronic structure of surfaces
Friday 07.10.05	P. Rinke: The theoretical toolbox to describe the electronic structure of surfaces	K Christmann: Adsorption at surfaces II - Kinetics
Monday 10.10.05	G. Rupprechter: Vibrational spectroscopy at surfaces	N. Nilius: Scanning probe microscopy and spectroscopy
Tuesday 11.10.05	G. Rupprechter: Vibrational spectroscopy at surfaces	K. Hermann: Theoretical description of electron spectroscopies (PES, NEXAFS, SEXAFS)
Wednesday 12.10.05	K. Hermann: Theoretical description of electron spectroscopies (PES, NEXAFS, SEXAFS)	F. Jentoft: From surfaces to three dimensions: Experimental Methods in Catalysis
Thursday 13.10.05	F. Jentoft: From surfaces to three dimensions: Experimental Methods in Catalysis	M. Heyde: Atomic Force Microscopy



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