International Max Planck Research School

Complex Surfaces in Material Science

Block Course on

"Dynamic Processes on Surfaces"

April 08 - 09, and April 15 - 16, 2010

Technische Universität Berlin
Institute of Chemistry, Room TC 14 (Erdgeschoss),
Straße des 17. Juni 124, 10623 Berlin (U Ernst-Reuter-Platz)

The course will focus on different experimental and theoretical methods to characterize dynamic processes on surfaces on the way from fs to minutes. The lectures will be presented by speakers from the Freie Universität Berlin, the Fritz-Haber-Institut der MPG in Berlin, the University of Oldenburg and the Technische Universität München .

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

Thursday 08.04.2010	**9:00 – 10:30**	M. Wolf Ultrafast spectroscopy at surfaces: Dynamics of electronic and coherent phonon excitations	**11:00 – 12:30**	S. Schauermann Kinetics and Dynamics at Surfaces
	14:00 – 15:30	S. van der Meerakker Molecular scattering in gas phase	**16:00 – 17:30**	T. Risse Vibrational and rotational dynamics at surfaces
Friday 09.04.2010	**9:00 – 10:30**	M. Wolf Ultrafast spectroscopy at surfaces: Dynamics of electronic and coherent phonon excitations	**11:00 – 12:30**	S. van der Meerakker Molecular scattering in gas phase
	14:00 – 15:30	S. Schauermann Kinetics and Dynamics at Surfaces	**16:00 – 17:30**	T. Risse Vibrational and rotational dynamics at surfaces
Thursday 15.04.2010	**9:00 – 10:30**	. / .	**11:00 – 12:30**	. / .
	14:00 – 15:30	L. Grill Investigation and manipulation of single molecules	**16:00 – 17:30**	T. Klüner (Oldenburg) Quantum dynamics on surfaces: a theoretical perspective
Friday 16.04.2010	**9:00 – 10:30**	T. Klüner (Oldenburg) Quantum dynamics on surfaces: a theoretical perspective	**11:00 – 12:30**	D. Menzel (TU Munich) Desorption induced by electronic transitions and ultrafast charge transfer at surfaces
	14:00 – 15:30	D. Menzel (TU Munich) Desorption induced by electronic transitions and ultrafast charge transfer at surfaces	**16:00 – 17:30**	L. Grill Investigation and manipulation of single molecules

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