International Max Planck Research School

Complex Surfaces in Material Science

Block Course on

"Surfaces and interfaces in reduced dimensions: from clusters to thin films"

October 04 - 08, 2010

Freie Universität Berlin
Fachbereich Physik, Hörsaal A (R.1.3.14),
Arnimallee 14, 14195 Berlin (U Dahlem Dorf)

The special properties of interfaces in reduced dimensions will be from an experimental as well as a theoretical point of view.
The lectures will be presented by speakers from the Freie Universität Berlin, the Fritz-Haber-Institut der MPG in Berlin, the Humboldt Universität zu Berlin and the Technische Universität Berlin .

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

	Monday, 04.10.2010	Tuesday, 05.10.2010	Thursday, 07.10.2010	Friday, 08.10.2010
9:00–10:30		**K. Rademann** Metal Cluster Beams and Clusters on Surfaces	**H. Winter** Structure of oxide surfaces and ultrathin oxide films probed via scattering of fast atoms and ions	**J. Sauer** Properties of gas phase clusters and thin oxide films
11:00–12:30		**R. Schlögl** Supported nanoparticles: Characterization	**P. Fumagalli** Magnetic thin films: introduction and basic properties	**A. Fielicke** Vibrational spectroscopy of gas phase clusters
14:00–15:30	**R. Schlögl** Supported nanoparticles: Preparation	**R. Schomäcker** Reactions on supported nanoparticles	**A. Fielicke** Vibrational spectroscopy of gas phase clusters	**P. Fumagalli** Magnetic thin films: measurement techniques
16:00-17:30	**R. Schomäcker** Reactions on supported nanoparticles	**H.-J. Freund** Thin oxide films	**M. Sierka** Structure resolution of low-dimensional systems	**K. Rademann** Metal Cluster Beams and Clusters on Surfaces

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