International Max Planck Research School
Complex Surfaces in Material Science

Block Course on
“Aspects of Physics and Chemistry of Surfaces”
March 21 - 26, 2013
Fritz-Haber-Institut der Max-Planck-Gesellschaft,
Abteilung Chemische Physik, Seminarraum
Faradayweg 16, 14195 Berlin (U-Bahn Thielplatz)

An introduction from an experimental as well as a theoretical point of view
presented by speakers from the Freie Universität, the Fritz-Haber-Institut der
MPG, the Humboldt Universität zu Berlin, the Technische Universität and
the Universität Potsdam.
Open to all students, Ph. D. students, postdoctoral scientists and guests.
You are welcome to attend - no registration required!

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<th>Date</th>
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| Thur. 21.03 | 9:00 - 10:30 | M. Eichelbaum
Defects                                                                 |
|          | 10:45 - 12:15 | K. Hermann
Structural Properties of Surfaces                                     |
|          | Lunch    | T. Schmidt
Thin-film Growth                                                         |
| Fr. 22.03 | 9:00 - 10:30 | K. Asmis
Gas-Phase Clusters                                                       |
|          | 10:45 - 12:15 | K. Rademann
Transition State Theory                                                 |
|          | Lunch    | R. Schomäcker
Introduction into Surface Chemistry                                     |
| Mo. 25.03 | 9:00 - 10:30 | T. Risse
Characterization of Vibrations on Surfaces                              |
|          | 10:45 - 12:15 | J. Sauer
Band-structures: A chemist view                                        |
|          | Lunch    | M. Wolf
Band-structures: A physicist view                                       |
| Tue. 26.03 | 9:00 - 10:30 | K. Franke
Magnetism                                                                |
|          | 10:45 - 12:15 | B. Paulus
Beyond DFT - wavefunction-based correlation methods                    |
|          | Lunch    | C. Draxl
Optical Properties                                                       |
|          | 13:00 - 14:30 | P. Saalfrank
Bonding and Adsorption: Theoretical Aspects                             |
|          | 14.45 - 16.15 | M. Weinelt
Electronic Surface States                                               |
|          | 14:45 - 16.15 | L. Ghiringhelli
Statistical Mechanics from First Principles                             |

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