



Vorlesungsankündigung - Class Announcement WS 16/17

Modern Methods in Heterogeneous Catalysis Research

A series of independent lectures on catalyst preparation, characterization, testing and related topics - for advanced students

Instructors: R. Schlögl & A. Trunschke, professors, staff scientists from Fritz Haber Institute, TU, and HU Berlin, guest speakers

Location: Fritz-Haber-Institut (Max Planck Society), Faradayweg 4-6, Building F, 2nd floor (1.OG), Seminar Room F 1.04, 14195 Berlin Dahlem, (U3 Thielplatz)

Time: Friday 9:00-10:30 h and 10:45-12:15 h (all times s.t.)

Program

21.10.2016	Michael Feist	Methods of Thermal Analysis - Basics, Applications, Benefits
	Raimund Horn	Thermodynamic Aspects of Heterogeneous Catalysis
28.10.2016	Walid Hetaba/ Marc Willinger	Electron Energy Loss Spectroscopy (EELS)
	Christophe Copéret	Surface Organometallic Chemistry: Building Active Sites with Molecular Principles
04.11.2016	Robert Schlögl	Introduction to Heterogeneous Catalysis
	Axel Knop-Gericke	NEXAFS Spectroscopy
11.11.2016	Hartmut Oschkinat	Investigations of Minor States with Dynamic Nuclear Polarisation and Magic-Angle-Spinning NMR
	Saskia Buller	Synthesis and Characterisation of Carbon Materials
18.11.2016	Felix Studt	Modelling in Heterogeneous Catalysis
	Markus Heyde	From Crystalline to Amorphous Surface Structures by Atomic Force Microscopy
25.11.2016	Erhard Kemnitz	Metal Fluorides in Catalysis
	Hajo Freund	Adsorption
02.12.2016	Jakob Wagner	Environmental Transmission Electron Microscopy
	Annette Trunschke	Diffuse Reflectance Spectroscopy
09.12.2016	Gerhard Mestl	Methods of Catalyst Formulation
	Elias Frei	Activation of Small Molecules: Ethylene and Oxygen
16.12.2016	Siglinda Perathoner	Application of Zeolites in Heterogeneous Catalysis and Future Perspectives
	Elias Frei	Activation of Small Molecules: Carbon Dioxide
13.01.2017	Ib Chorkendorff	Model Systems in Heterogeneous Catalysis and Electrocatalysis
	Sébastien Cap	In-situ Spectroscopic Techniques in Electrochemistry
20.01.2017	Petra de Jongh	Synthesis of Supported Nanoparticles
	Thomas Lunkenbein	Structural Chemistry of Silicates
27.01.2017	Mikhail Sinev	Oxygen Activation
	Elena Willinger	Analysis of Local Structure by Atomic Pair Distribution Function
03.02.2017	Frank Neese	Quantum Chemical Calculation of Spectroscopic Properties
	Schlögl/Trunschke	SEMINAR
10.02.2017	Schlögl/Trunschke	SEMINAR
	Schlögl/Trunschke	SEMINAR
17.02.2017	Schlögl/Trunschke	SEMINAR
	Schlögl/Trunschke	SEMINAR

more information at <http://www.fhi-berlin.mpg.de/acnew/department/pages/lectures.html>

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