



Vorlesungsankündigung - Class Announcement WS 17/18

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 Institute (Max Planck Society), Faradayweg 4-6, Building F, 2nd floor (1.OG), Seminar room AC, 14195 Berlin Dahlem, (U3 Thielplatz)

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

Program

20.10.2017	Robert Schlögl	Concepts in heterogeneous catalysis
	Annette Trunschke	Synthesis of supported active phases
27.10.2017	Mark Greiner	Electronic properties of materials
	Madan Bhasin	High selectivity methane coupling at high pressure using novel, defect/disordered rare earth oxycarbonate based catalyst systems
03.11.2017	Ramzi Farra/Marc Willinger	Operando TEM/ESEM
	Cyril Aymonier	Supercritical synthesis of nano-structured materials
10.11.2017	Walid Hetaba	Analytical electron microscopy
	Avelino Corma	Micro-and mesoporous materials in catalysis
17.11.2017	Mark Greiner	Photoemission spectroscopy: Fundamentals and state-of-the-art
	Jürgen Senker	Application of solid state NMR in material science
24.11.2017	Annette Trunschke	Determination of surface area and pore size distribution
	Sabine Wrabetz	Microcalorimetry beyond adsorption
01.12.2017	Juan J. Velasco Vélez	Semiconductors in presence of gases: The relationship between charge transfer and charge transport
	Chloe Thieuleux	Surface organometallic chemistry
08.12.2017	Andrey Tarasov	Operando thermal analysis
	Mark Saeys	Reaction mechanisms in C1 chemistry
15.12.2017	Thomas Lunkenbein	The chemical origin of life
	Mirijam Zobel	Pair Distribution Function for catalysis
12.01.2018	Elias Frei	Powder TDS
	Ute Kaiser	Aberration corrected low voltage electron microscopy
19.01.2018	Travis Jones	Simulation of spectra by theory
	Takashi Kumagai	Single-molecule chemistry on surfaces studied by scanning probe microscopy
26.01.2018	Martin Härtl	Modern fuels
	Peter Wasserscheid	Supported liquid phase catalysis
02.02.2018	Gert von Helden	Combination of mass spectrometry techniques and the Free Electron Laser
	Ted Oyama	Reaction networks in heterogeneous catalysis
09.02.2018	Schlögl/Trunschke	SEMINAR
	Schlögl/Trunschke	SEMINAR
16.02.2018	Schlögl/Trunschke	SEMINAR
	Schlögl/Trunschke	SEMINAR

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

Organization: Annette Trunschke, trunschke@fhi-berlin.mpg.de