



Vorlesungsankündigung - Class Announcement WS 15/16

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

16.10.2015	Jean-Marc Millet	Mild oxidation of alkanes for the production of chemical intermediates
	Annette Trunschke	Methods in catalyst synthesis
23.10.2015	Elias Frei	Precipitation
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30.10.2015	Annette Trunschke	Surface area and pore size analysis
	Andrey Tarasov	Practical aspects of mass spectroscopy
06.11.2015	Elena Willinger	Chemical analysis in TEM
	Frank Girgsdies	Peak profile fitting in XRD
13.11.2015	Gregory Yablonski	Kinetic analysis of complex reaction networks I
	Gregory Yablonski	Kinetic analysis of complex reaction networks II
20.11.2015	Ralph Ernstsdorfer	Electron-phonon coupling in solids I
	Ralph Ernstsdorfer	Electron-phonon coupling in solids II
27.11.2015	Axel Knop-Gericke	XPS
	Raoul Blume	Peak fitting in XPS
04.12.2015	Sebastian Cap	Charge transport at interfaces
	Nejc Hodnik	Case studies of PEM fuel cell and electrolyzer catalysts degradation
11.12.2015	Maurice van Gastel	EPR spectroscopy
	Elisabeth Irran	Defects in solid state chemistry
15.01.2016	Thomas Lunkenbein	Contrast Formation in (S)TEM
	Peter Strasser	tba
22.01.2016	Jennifer Strunk	Photochemical processes for energy conversion reactions
	Davide Esposito	Redefining biorefinery: the search for unconventional building blocks for materials
29.01.2016	Teresa Blasco	Application of NMR spectroscopy for the characterization of solid catalysts and the investigation of reaction mechanisms
	Sergey Levchenko	Modeling materials at realistic temperature, pressure, and doping conditions
05.02.2016	Schlögl/Trunschke	SEMINAR
	Schlögl/Trunschke	SEMINAR
12.02.2016	Schlögl/Trunschke	SEMINAR
	Schlögl/Trunschke	SEMINAR

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

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