Georg-August-Universität
Internationaler Promotionsstudiengang
Catalysis for Sustainable Synthesis
CaSuS

Methods course: „Spectroscopic methods in catalysis research“ (P.Che.1602 TM 1)

Characterization of solid catalysts by selected spectroscopic (in situ) methods

Fundamentals and applications in heterogeneous catalysis

Prof. Dr. Angelika Brückner, LIKAT Rostock

03./04.02.2014

Mon, 3rd February 2014, MN32 (4th floor IPC)

Until 13.00	Lunch
13.30 – 15.00	General overview of most frequently used methods
	UV-vis spectroscopy
	Basic theory, experimental setups, application examples
15.00 – 15.30	Coffee break
15.30 – 17.00	Electron Paramagnetic Resonance (EPR)
	Basic theory, experimental setups, application examples

Tue, 4th February 2014

MN02 (GZG)

10.00 – 11.30	Vibrational Spectroscopy (Laser-Raman, FTIR)
	Basic theory, experimental setups, application examples
11.30 – 12.30	Lunch

MN 29 (lecture room III)

12.30 – 14.00	X-ray photoelectron spectroscopy and electron microscopy
	Basic theory, experimental setups, application examples