

FWF SFB F 45 Functional Oxide Surfaces and Interfaces (FOXSI)



1st

PhD Seminar



Der Wissenschaftsfonds.

10. – 11.5. 2012; HS8 TU Vienna

Thursday, 10.5.

18:00	informal get together at IMC	
18:30	dinner at Plutzer Bräu Schrankgasse 2, 1070 Wien	

Friday, 11.5.

8:30	Registration	
9:00	Opening	Günther Rupprechter
9:15	Interface kinetics of gas electrodes in SOFC and Me/air batteries	Prof. Jürgen Janek Justus-Liebig-Universität Gießen
10:15	Coffee break	
10:45	In situ X-ray and FTIR spectroscopy on zirconia supported copper-nickel-catalysts	Astrid Kitla P 02
11:05	H ₂ -Reduction Studies on Ytria, Zirconia and YSZ	Thomas Bielz P 03
11:25	Surface silicon oxide in CO oxidation on Pd: in situ PEEM and XPS-study	Zuzana Budinska P 04
11:45	Zirconia on Pd ₃ Zr(0001)	Joong- Il Choi P 05
12:05	Strain mediated long-range quasi-ordered domain structures at the SrTiO ₃ (110) surface	Zhiming Wang P 07
12:30	Lunch at Nelsons restaurant	

14:00	Complex metal oxides as heterogeneous catalysts	Prof. Robert Schlögl FHI Berlin
15:00	Poster session and coffee break	
16:00	Tracer Diffusion in (La,Sr)CoO _{3-d} Thin Films at Intermediate Temperatures	Markus Kubicek P 09
16:20	Synthesis of single source precursors for Ni/ZrO ₂ nanocomposites	Aparna Date P 10
16:40	Ab-initio studies of bulk and surface properties of SrRuO ₃ and Sr ₃ Ru ₂ O ₇	Marcel Hieckel P 11
17:00	Density functional theory study of ZrO ₂ bulk phases and Pt ₃ Zr-ZrO ₂ interfaces	Wernfried Mayr-Schmölzer P 11
17:20	Closing	

Poster	
Title	Author
Preparation and spectroscopic characterization of ZrO ₂ thin films	Hao Li P 02
Inverse PdIn and Cu model catalyst studies of fuel-cell relevant reforming processes	Lukas Mayr P 03
Preparation and catalytic characterization of SOFC-relevant anode materials	Ramona Thalinger P 03
Catalytic CO oxidation on individual μm-sized grains of a polycrystalline palladium foil	Diana Vogel P 04
Scanning Tunneling Microscopy study of Single-Crystalline Sr ₃ Ru ₂ O ₇	Bernhard Stöger P 07
La _{0.6} Sr _{0.4} FeO ₃ as Electrode Material in O ₂ as well as H ₂ Atmosphere	Sandra Kogler P 09