Special Research Program (SFB)
F45 Functional Oxide Surfaces and Interfaces (FOXSI)

Annual Symposium

21.-23. September 2014, Conference Center Burg Schlaining, Stadtschlaining, Austria

**Sunday, September 21th, 2014**

9:00 – 11:00  Bus transfer from Vienna Karlsplatz to Burg Schlaining
11:00       Check-in and Registration
12:00 – 13:00  Get-together and LUNCH
13:00 – 13:05  Welcome Address – Josef Redinger
13:15 – 14:15  Günther Rupprechter
Functional Oxide Surfaces and Interfaces (FOXSI)
Report of the Speaker on the current funding period and overview of the forthcoming funding period, plus general discussion

14:15 – 15:00  COFFEE BREAK + POSTER DISCUSSION

15:00 – 15:30  F4505 Michael Schmid
Zirconia films and zirconia-metal systems on the atomic scale
15:30 – 16:00  F4502 Günther Rupprechter
In situ spectroscopy of chemical reactions on pure and doped ZrO₂ thin films and zirconia-based metal-oxide systems
16:00 – 16:30  F4504 Yuri Suchorski
In situ mesoscopic and microscopic visualisation of catalytic reactions on metal-oxide systems
16:30 – 17:00  F4510 Schubert
Preparation and properties of metal oxides prepared from organically modified precursors by sol-gel processing
17:00 – 17:30 F4503 Bernhard Klötzer
Catalytic synergisms at (bi)metallic and oxidic phase boundaries and interfaces

18:00 – 19:30 DINNER

19:30 – 21:30 INFORMAL DISCUSSIONS

Monday, September 22th, 2014

07:30 – 09:00 Breakfast

09:00 – 09:30 F4509 Jürgen Fleig
Active and resistive zones of electrochemical oxidation and reduction reactions on zirconia electrolytes

09:30 – 10:00 F4506 Andreas Stierle
Atomic structure of functional oxide interfaces under operational conditions

10:00 – 10:30 COFFEE BREAK

10:30 – 11:00 F4511 Josef Redinger
Theory of oxide surfaces and metal/oxide interfaces

11:00 – 11:30 F4507 Ulrike Diebold
Growth and fundamental surface properties of perovskites

11:30 – 12:00 COFFEE BREAK

12:15 – 13:30 LUNCH

14:00 – 16:00 POSTER SESSION

16:00 – 17:00 GENERAL ASSEMBLY
18:00 – 20:00  DINNER

20:00 – 21:30  INFORMAL DISCUSSIONS

**Tuesday, September 23th, 2014**

08:00 – 09:00  Breakfast

09:00  Bus transfer to Vienna, Karlsplatz (return ca. 11:30)
Posters:

F4505 Schmid / P05
Daniel Halwidl, Michael Schmid
Zirconia films and zirconia-metal systems on the atomic scale

F4502 Rupprechter / P02
Karin Föttinger, Christoph Rameshan, Günther Rupprechter
In situ spectroscopy of chemical reactions on pure and doped ZrO₂ thin films and zirconia-based metal-oxide systems

F4504 Suchorski / P04
Ivan Bespalov, Yuri Suchorski
In situ mesoscopic and microscopic visualisation of catalytic reactions on metal-oxide systems

F4510 Schubert / P10
Ulrich Schubert
“Preparation and properties of metal oxides prepared from organically modified precursors by sol-gel processing”

F4503 Klötzer / P03
Simon Penner, Bernhard Klötzer
Catalytic synergisms at (bi)metallic and oxidic phase boundaries and interfaces

F4509 Fleig / P09
Alexander Opitz, Jürgen Fleig
Active and resistive zones of electrochemical oxidation and reduction reactions on zirconia electrolytes

F4506 Stierle / P06
Sergey Volkov, Andreas Stierle
Atomic structure of functional oxide interfaces under operational conditions

F4507 Diebold / P07
Gareth Parkinson, Ulrike Diebold
Growth and fundamental surface properties of perovskites

F4511 Redinger / P11
Florian Mittendorfer, Josef Redinger
Theory of oxide surfaces and metal/oxide interfaces

F4501 Rupprechter / P01
Günther Rupprechter, Johannes Bernardi, Andreas Stierle
Coordination Project including USTEM and DESY