

# EINLADUNG

zum Vortrag  
von

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**Heterogeneous chemistry of solid/vapor and liquid/vapor interfaces  
investigated under environmental conditions**

am

**Dienstag, 27. Mai 2014, um 16:00**

Technische Universität Wien, Institut für Angewandte Physik  
Seminarraum 134A, Turm B (gelbe Leitfarbe), 5. OG  
1040 Wien, Wiedner Hauptstraße 8-10

## Abstract:

The interaction of gases with surfaces plays a major role in many processes in the environment, heterogeneous catalysis, and technology. Ambient pressure photoelectron spectroscopy is an excellent method for the investigation of the interfacial chemistry of solid/vapor and liquid/vapor interfaces under reaction conditions at pressures of several Torr. Recent developments in the technique now also allow to access liquid/solid interfaces. This talk will discuss the reaction of water vapor with oxide surfaces, the correlation between electrical potentials and surface chemistry in model solid oxide fuel cells, as well as the influence of the presence of adsorbates on the premelting of ice.

**FWF SFB F45 „Functional Oxide Surfaces and Interfaces (FOXSI)“**

Prof. Günther Rupprechter (Speaker), Melanie Schärer (SFB FOXSI Secretary)

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