



**Elementary reaction steps in electrocatalysis:  
Theory meets Experiment**

**DFG Research Unit FOR1376**

**Fourth Research Unit Colloquium**

**December 01 - 02, 2011**

**Heinrich-Fabri-Institut, Blaubeuren**

**Schedule**

**Thursday, December 1**

- 14:00 *Introductory remarks*  
Axel Groß
- 14:10 *Proton Discharge from Electrolyte Solutions. First results*  
E. Spohr, Project P2
- 14:40 *Low temperature electrochemistry: HER on Pt(111) at temperatures down to 120K*  
T. Brülle, Project P2
- 15:10 *Electron transfer in oxygen reduction*  
N.N. Project P3 (Santos/Schmickler)
- 15:40 *Hydrogen evolution reaction at stepped silver surfaces: First experimental results*  
Andres Rudermann, Project P6
- 16:00 *Electronic properties of stepped silver surfaces*  
Fernanda Juarez, Project P6
- 16:20 Coffee break
- 16:50 *Elementary reaction steps in C1 electrooxidation*  
N.N., Project P4 (Jusys)
- 17:20 *Theoretical description of the electrode-electrolyte interfaces*  
Tanglaw Roman, Project P5
- 17:50 *Structure of water layers on platinum electrodes*  
Aleix Comas Vives, Project P1
- 18:30 Dinner
- 20:00 After-Dinner Talk

## Friday, December 2

- 09:00      *Structure-reactivity relationships for bimetallic electrode surfaces*  
Otavio Alves, Project P7
- 09:30      *Structure-reactivity relationships for bimetallic electrode surfaces*  
Christoph Lorenz, Project P7
- 10:00      *Theoretical studies addressing the structure-reactivity relationships for bimetallic electrode surfaces*  
Luis Mancera, Project P7
- 10:30      Coffee break
- 11:00      *Electrocatalysis of PtRu(111) electrodes and HCOOH oxidation on Au(111)*  
Ludwig Kibler, Project P8 (Kibler)
- 11:30      *General Discussion: Future of the research unit, conference in 2012, etc.*
- 12:30      Lunch
- 14:00      Departure

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