

Program - Workshop Research Area C
07.11.2013 - Beckmanns Hof

07:30 - 08:00	put up poster	30 min
08:00 - 08:05	Welcome - Dominik Marx	5 min
08:05 - 08:20	Overview C2 - Eckhard Weidner	15 min
08:20 - 08:35	Axel Rosenhahn <i>"Thin organic films as model surfaces for hydrophobic/ hydrophilic interfaces in micro-release systems"</i>	15 min
08:35 - 08:50	Christopher Norton <i>"New Magnetic Sspension Balances for the Sorptive Characterisation of Two Dimensional Surfaces"</i>	15 min
08:50 - 09:05	Eckhard Weidner <i>"Diffusion stable microcapsules"</i>	15 min
09:05 - 09:20	Simon Ebbinghaus <i>"Micromanipulation of microrelease systems to study scaling effects and the role of additives"</i>	15 min
09:20 - 09:40	Michael Paulus <i>"x-ray reflectivity studies at soft matter interfaces"</i>	20 min
09:40 - 09:50	Summary - Eckhard Weidner	10 min
09:50 - 10:00	Marie Holz <i>"TranSOLV – Transfer of Results from Basic Research to Applied Research"</i>	10 min
10:00 - 11:00	Poster Session all and coffee break	60 min
11:00 - 11:05	Overview C1 - Karina Morgenstern	5 min
11:05 - 11:30	Aliaksandr Bandarenka <i>"Improving the catalytic activity of electrodes with monolayer and sub-monolayer amounts of metals"</i>	25 min
11:30 - 11:55	Jörg Behler und Eckhard Spohr <i>"Theoretical Description of Interfaces and Electrochemical Processes"</i>	25 min
11:55 - 12:20	Karina Morgenstern <i>"Influence of the field onto the orientation of water"</i>	25 min
12:20 - 12:45	Frank Renner / Markus Veltiner <i>"Solid/liquid surface structures under static and reactive conditions"</i>	25 min
12:45 - 13:00	Summary - Karina Morgenstern	15 min
13:00 - 14:00	Lunch break	60 min
14:00 - 14:05	Overview C3 - Wolfgang Schuhmann	5 min
14:05 - 14:20	Aliaksandr Bandarenka <i>"Characterisation of complex electrochemical interfaces using simultaneous impedance and nano-gravimetric measurements"</i>	15 min
14:20 - 14:35	Andreas Erbe <i>"Probing electrode/electrolyte interfaces by optical spectroscopy"</i>	15 min
14:35 - 14:50	Rochus Schmid <i>"Development of a real space DFT- method for the atomistic simulation of a charged liquid-solid interface"</i>	15 min

14:50 - 15:05	Fabio La Mantia <i>"Effect of solvation on the electron- and ion-transfer at the interface metal/electrolyte at high salt concentration"</i>	15 min
15:05 - 15:20	Wolfgang Schuhmann <i>"Electrochemical gas evolution processes"</i>	15 min
15:20 - 15:35	Summary - Wolfgang Schuhmann	15 min
15:35 - 16:00	Patrick Degen <i>"Presentation of preliminary work and further projects at DELTA"</i>	25 min
16:00 - 17:00	Postersession all and coffee break	60 min
17:00 - 17:05	Overview C5 - Martin Muhler	5 min
17:05 - 17:35	Matteo Farnesi <i>"Computer Simulations of Water/Gold/Titania Interfaces"</i>	30 min
17:35 - 17:50	Weiwen Dong <i>"Base-free selective oxidation of ethanol in the liquid phase over palladium catalysts supported on functionalized carbon nanotubes"</i>	15 min
17:50 - 18:05	Alexander Lüken <i>"Liquid-phase alcohol oxidation investigated by ATR-IR spectroscopy and online mass spectrometry"</i>	15 min
18:05 - 18:15	Christoph Rösler <i>"Pd/Au@ZIF-8: Catalyst for liquid phase aerobic alcohol oxidation"</i>	10 min
18:15 - 18:30	Ferdi Schüth	15 min
18:30 - 18:45	Frank Marlow <i>"Construction and tuning of photocatalytic Janus particles for glycerol"</i>	15 min
18:45 - 19:00	Harun Tüysüz <i>"Surface plasmon-assisted glycerol oxidation"</i>	15 min
19:00 - 22:00	Poster Session, Dinner, ad hoc discussion groups	180 min

Poster - Workshop Research Area C

07.11.2013 - Beckmanns Hof

- 1 **Martin Pogrzeba, Georgijs Bakradze, Dirk Vogel, Andreas Erbe, Karina Morgenstern, Martin Stratmann, Michael Rohwerder**
"Characterisation of electrochemical double layers formed on Au electrode: a KPM, FTIR, XPS and LT-STM study"
- 2 **Jörg Behler**
"Towards Atomistic Simulations of the Solid-Liquid Interface Using Neural Network Potentials"
- 3 **Cord Bertram, Sarah-Charlotta Heidorn, and Karina Morgenstern**
"Island growth of D₂O on Ag(111)"
- 4 **Rainer Schulz** (Gruppe Rochus Schmid)
"Development of a real space DFT-method for the atomistic simulation of a charged liquid-solid interface"
- 5 **Michael Wessel** (Gruppe Eckhard Spohr)
"Potential energy surface for the proton equilibrium on gold"
- 6 **Andreas Erbe**
"Probing the Air/Water Interface by Infrared Ellipsometry"
- 7 **Aliaksandr S. Bandarenka, Artjom Maljusch, Kathrin Eckhard, Wolfgang Schuhmann**
"Localised impedance measurements for electrochemical surface science"
- 8 **Tobias Vöpel**
"Micromanipulation of microrelease systems to study scaling effects and the role of additives"
- 9 **Luca Davico**
"Diffusion stable microcapsules"
- 10 **Kai Schwenzfeier, Andreas Erbe**
"Probing the Air/Water Interface by Infrared Ellipsometry"
- 11 **Stefanie Pengel, Bernd Schönberger, Andreas Erbe**
"Attenuated total reflection mid-IR-spectroscopy for electrochemical applications using a quantum cascade laser"
- 12 **S. Kaluza, T. Van Loo**
"Solid Particle Formation in and Interaction with the Liquid Phase"
- 13 **Axel Rosenhahn**
"Thin organic films as model surfaces for hydrophobic/hydrophilic interfaces in micro-release systems"
- 14 **Matteo Farnesi Camellone, Muñoz-Santiburcio* and Dominik Marx**
"Methanol oxidation at the Au/TiO₂ interface in the gas and liquid phase"
- 15 **Michael Paulus**
"X-ray reflectivity studies at soft matter interfaces"
- 16 **Michael Paulus**
"High hydrostatic pressure X-ray reflectometry at the solid-liquid interface"
- 17 **Johannes Frenzel*, Janos Kiss, Nisanth Nair, Bernd Meyer and Dominik Marx**
"Methanol synthesis from molecular dynamics"
- 18 **Luis Martinez-Suarez, Johannes Frenzel*, Dominik Marx and Bernd Meyer**
"Tuning the reactivity of Cu/ZnO nanocatalyst by gas phase pressure"