

**Program Workshop Research Area C - 19.10.2015**  
**RUB Congress Center**



08:30 - 09:00 Registration & Put up posters

09:00 - 09:10 **Welcome and overview Research Area C - Dominik Marx**

<b>Chair: Ebbinghaus</b>	
09:10 - 09:30	<i>Encapsulation of tracers and their release depending on emulsifiers</i> <b>Rebecca Scholz</b>
09:30 - 09:50	<i>Hydration of thin organic films</i> <b>Victoria Jakobi</b>
09:50 - 10:10	<i>High resolution magnetic suspension balance for sorptive characterisation of novel materials</i> <b>Christopher Norton</b>
10:10 - 10:30	<i>Soft Matter at interface</i> <b>Stefan Bieder</b>
10:30 - 11:00 <i>Coffee break &amp; poster session</i>	
<b>Chair: Morgenstern</b>	
11:00 - 11:20	<i>Combining Neural Networks and Empirical Valence Bond Potentials: Part I: Energy Landscapes</i> <b>Sinja Klees</b>
11:20 - 11:40	<i>Combining Neural Networks and Empirical Valence Bond Potentials: Part II: Dynamics</i> <b>Ramona Ufer</b>
11:40 - 12:00	<i>Sample transfer from electrochemical environment to UHV and preliminary STM measurments</i> <b>Georgios Bakradze</b>
12:00 - 12:20	<i>The titanium dioxide – water interface: first x-ray reflectivity studies</i> <b>Yuri Forov</b>
12:20 - 12:40	<i>Phase stability of ZnO(0001) surfaces in contact with liquid water: A first-principles study</i> <b>Yoo Suhyun</b>
12:40 - 13:45 <i>Lunch &amp; poster session</i>	
<b>Chair: Spohr &amp; Erbe      Crosslinking Topic 1: Ion Hydration</b>	
13:45 - 14:05	<i>THz spectra of simple ions in bulk solution</i> <b>Philipp Schienbein</b>
14:05 - 14:25	<i>Salt solvation at mica/electrolyte interfaces</i> <b>Eckhard Spohr</b>
14:25 - 14:45	<i>Salt effects on protein stability</i> <b>Hermann Weingärtner</b>
14:45 - 15:05	<i>Cross-linking ion hydration - where can synchronising ongoing activities lead to further insights?</i> Discussion
15:05 - 15:35 <i>Coffee break &amp; poster session</i>	

**Chair: Roldan**

15:35 - 15:55 *Electrochemistry - a versatile analytical tool and physico-chemical probe*  
**Kristina Tschulik**

15:55 - 16:15 *Characterization of electrical double layer formed on Au(111) surface*  
**Beibei Pang**

16:15 - 16:35 *Investigation of solvent behavior in the vicinity of charged surfaces by a polarizable force field*  
**Dennis Pache**

16:35 - 16:55 *Solvation effects on the activity of model electrocatalysts in acidic media*  
**Alberto Ganassin**

16:55 - 17:25 *Coffee break & poster session*

**Chair: Muhler**

17:25 - 17:45 *Chemistry in Nanoconfined Water*  
**Daniel Munoz**

17:45 - 18:05 *Au/TiO<sub>2</sub> vs. Pd/CNT*  
**Martin Muhler**

18:05 - 18:25 *Catalytic liquid phase electrooxidation of ethanol monitored by ATR-IR spectroscopy*  
**Dennis Hiltrop**

18:25 - 18:45 *Solvent Effect on Glycerol Oxidation*  
**Stefan Schünemann**