



JÜLICH  
FORSCHUNGSZENTRUM

HELMHOLTZ  
ASSOCIATION

# HiTEC

Graduate School  
for energy & climate

## HiTEC Symposium

Lecture Theatre, Building 4.7 (ZB)

31 March 2014

13:00	<b>On-Site Registration</b>	
14:00	<b>Welcome</b>	Prof. Dr. Uwe Rau
14:10	<b>Heidi Heinrichs, IEK-STE</b>	Analysing the Long-Term Impact of Electric Mobility on the European Energy System
14:30	<b>Thorsten Reppert, IEK-1</b>	Processing and Characterization of Solid State Battery Components
14:50	<b>Marco Prill, IEK-2</b>	Thermodynamic Material Data as a Tool for the Development of Lithium-Ion Batteries
15:10	<b>Felix Hasenbeck, IEK-4</b>	Simulating a Fusion Plasma – from Micrometer to Meter Scale
15:30	<b>Coffee break</b>	<b>30 Minutes</b>
16:00	<b>Hannah Sonderfeld, Universität Wuppertal</b>	Application of a Proton Transfer Reaction Time of Flight Mass Spectrometer (PTR-ToF-MS) for Real-Time Measurements of Volatile Organic Compounds in the Atmosphere
16:20	<b>Wilko Rohlf, RWTH Aachen University</b>	Laminar Jet Impingement: New Insights in a Well-Known Phenomenon
16:40	<b>Maurice Nuys, IEK-5</b>	New Nanoparticle Absorbers for Thin-Film Solar Cells
17:00	<b>Sarah Finkeldei, IEK-6</b>	Pyrochlore as Nuclear Waste Form: Actinide Uptake and Chemical Stability
17:20	<b>Coffee break</b>	<b>20 Minutes</b>
17:40	<b>Tobias Guggenmoser, IEK-7</b>	Of Planes, Pixels, and Penguins: Observing the Atmosphere with an Airborne Imaging Spectrometer
18:00	<b>Patrick Schlag, IEK-8</b>	Long Term Aerosol Composition Measurements at the CESAR Tower at Cabauw, NL – What can we learn about aerosol sources?
18:20	<b>Venkatesh Sarda, IEK-9</b>	An Experimental Investigation into Degradation Phenomena in a SOFC Anode
18:40	<b>Break</b>	<b>50 Minutes</b>
19:30	<b>Dinner: Appetizers</b> <span style="float: right;"><b>30 Minutes</b></span>	
20:00	<b>HiTEC Communicator Awards</b>	for the 3 best scientific talks
20:10	<b>The HiTEC Science Slam Champion Presents</b>	Winner of contest (20 March at KUBA Jülich)
20:20	<b>Dinner: Buffet</b>	