

HITEC Theme Day

Title: Next-Generation Li Batteries – Experiment and Theory

Date: 9th November, 2016

Time: 9:15 –15:45
afterwards *get together*

Location: [Forschungszentrum Jülich](#) ► Bld. 04.7, Room 338

09.15 – 09.20	Welcome and Introduction <i>Dr. Martin Finsterbusch, Forschungszentrum Jülich, IEK-1</i>
09.20 – 10.00 +10 min discussion	Lithium Ion Batteries – current limitations and future prospects <i>Prof. Dr. E. Figgemeier, Helmholtz Institute Münster & RWTH Aachen University</i>
10.10 – 10.30	Coffee break
10.30 – 11.10 +10 min discussion	Controlling interfaces to enable advanced Li-ion Technology <i>Dr. G. Veith, Oak Ridge National Lab, USA, Mat. Sci. & Tech. Div.</i>
11.20 – 12.00 +10 min discussion	Scale bridging modeling of material properties <i>Prof. Dr. R. Spatschek, Forschungszentrum Jülich, IEK-2</i>
12.10 – 13.15	Lunch-break – at own costs for Docs
13.15 – 13.55 +10 min discussion	Meso-scale modeling of components and cells <i>Prof. Dr. A. Latz, Helmholtz Institute Ulm, Multi-Scale Modeling</i>
14.05 – 14.45 +10 min discussion	Characterization and modeling of all-solid-state batteries <i>Dr.-Ing. A. Weber, Karlsruhe Institute of Technology, IAM-WET</i>
14.55 – 15.35 +10 min discussion	All solid state batteries – materials synthesis and cell fabrication <i>Dr. Sven Uhlenbruck, Forschungszentrum Jülich, IEK-1</i>
15.45	Get-Together

HITEC Days

HITEC Days are an inherent part of the graduate school Helmholtz Interdisciplinary Doctoral Training in Energy and Climate Research (HITEC). They devote a whole day to a method or a scientific topic with lectures and discussions. The methodological days serve to encourage scientific interdisciplinarity and will enable the PhD students to extend their range of methods with respect to their own scientific work. HITEC Days always end with a ‘Get together’, some snacks and drinks. HITEC Days are open for HITEC Ph.D. students and other interested young scientists.