



## Organizers

Arnulf Latz (HIU)  
Andreas Heuer (HI-MS)  
Stefano Passerini (HIU)  
Hans-Dieter Wiemhöfer (HI-MS)



# 1<sup>st</sup>

WORKSHOP

THEORY MEETS

EXPERIMENT

FREE OF CHARGE

Registration open now

## November 21<sup>st</sup>, 2019

Venue: Helmholtz Institute Ulm (HIU)  
Helmholtzstrasse 11, 89081 Ulm



November 21st, 2019

# THEORY MEETS EXPERIMENT

ULM, GERMANY

Thursday, 21st November

09:30 AM

Conference Room 230

Beginning of Morning Session

Yue Qi (Michigan State University)

Modeling space charging layers  
in solid-state batteries

Claas Hüter (HI-MS)

Interfacial & Surface Elastic Effects  
during Charging in stabilised beta-ALLi-electrodes

Dominic Bresser (HIU)

Highly redox-active dopant for  
insertion-type lithium-ion anodes

Isidora Cekic-Laskovic (HI-MS)

High-throughput screening highway  
towards better electrolytes

Birger Horstmann (HIU)

Transport Mechanisms in the Solid-Electrolyte Interphase  
during Battery Cycling

12:00 AM

Lunch break

Registration open now, registration is free

0\$

[www.hiu-meets-hi-ms.de/](http://www.hiu-meets-hi-ms.de/)



PLEASE REGISTER ONLINE

Helmholtz Institute Ulm (HIU, Helmholtzstrasse 11, 89081 Ulm

Phone: +49 (0731) 50 34101 | Fax: +49 (0731) 50 34009

[www.hiu-meets-hi-ms.de/](http://www.hiu-meets-hi-ms.de/)



13:30 PM

Conference Room 230

## Beginning of Afternoon Sessions

---

**Patrik Johansson (Chalmers University)**

Speciation, Solvation and Solubility  
in Battery Electrolytes

---

**Hans-Dieter Wiemhöfer (HI-MS)**

Chemical design of a triblockcopolymer/LiTFSI electrolyte with  
decoupled fast lithium ion transport – a status report

---

**Axel Groß (HIU)**

Atomic level understanding for structures and processes across  
different battery chemistries

---

15:00 - 15:30 PM

## Coffee break

---

**Balázs B. Berkes (HI-ERN)**

On-line, time-resolved investigations of dissolution processes  
in nonaqueous electrolytes

---

**Diddo Diddens (HI-MS)**

Ion Transport Mechanism in Polymer Electrolytes -  
Bridging the Scales Via Molecular Dynamics Simulations and Theory

---

**Thomas Waldmann (HIU/ZSW)**

Lithium Plating –  
Detection and Prevention

---

17:00 PM

## End of Workshop

---