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WORKSHOP

THEORY MEETS

EXPERIMENT

FREE OF CHARGE

November 21st, 2019

Registration open now

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















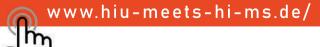
THEORY MEETS EXPERIMENT

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

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PLEASE REGISTER ONLINE



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