

PUBLIC LECTURE SERIES (SoSe 22)

# »Electrochemistry and Energy Storage«

Mondays, 15.30 – 16.30

04.04.2022

**Prof. Igor Lubomirsky (Weizmann Institute of Science)**

*Design and operation of room temperature electro-chemo-mechanical actuator*

11.04.2022

**Dr. Karin Kleiner (WWU)**

*Charge compensation in present and next generation cathode materials*

25.04.2022

**Prof. Andreas Heuer (WWU)**

*Understanding lithium transport properties in electrolytes via simulation and data-driven analysis of experiments*

09.05.2022

**Prof. Florian Hausen (IEK-9, Forschungszentrum Jülich GmbH)**

*Battery materials studied by in-situ AFM*

16.05.2022

**Dr. Martin Hiller (BMW Group)**

*Lithium Ion Battery Cell Production – Challenges and Scaling Up from Sample Shop to Pilot Production*

30.5.2022

**Prof. Ying Shirley Meng (University of Chicago)**

*Designing Better Materials for Future Batteries*

13.6.2022

**Dr. Martin Janssen (Livista Energy GmbH)**

*Brines & Mines - The challenging lithium salt production*

20.6.2022

**Prof. Dr. Julia Maibach (KIT)**

*Photoelectron Spectroscopy: Shining Light on the Solid Electrolyte Interphase in Li-Ion Batteries*

27.6.2022

**Prof. Jie Li (Politecnico di Milano)**

*Electrode-electrolyte interphases design for high-voltage aqueous lithium-ion batteries*

