

Public Lecture Series BACCARA (WiSe 2023/24)

»Electrochemistry and Energy Storage«

Mondays, 15.30 – 16.30

25.09.2023 (MEET Hall, Münster)

Dr. Boryann Liaw (Principal of High Power Research Lab, Stanford University)

Lithium Inventory Tracking as a Nondestructive Battery Monitoring and Evaluation Method

30.10.2023 (16:30-17:30 Uhr)

Prof. Dr. Dirk Uwe Sauer (Chair of Electrochemical Energy Conversion and Storage Systems Technology, RWTH Aachen)

Batteries as a key-enabling technology for climate neutral mobility and energy supply

06.11.2023

Dr. Lauren Marbella (Associate Professor of Chemical Engineering, Columbia University)

Tracking Degradation in Commercial Li Batteries with High Chemical and Temporal Resolution

20.11.2023

Dr. Anatoliy Senyshyn (Research Neutron Source Heinz Maier-Leibnitz, Technical University of Munich (TUM))

Non-destructive characterisation of lithium and electrolyte distribution in 18650-type batteries by scattering methods

04.12.2023

Prof. Dr. Matteo Bianchini (Head of Research Group, Faculty of Biology, Chemistry and Geosciences, University of Bayreuth)

In situ x-ray diffraction to investigate solid-state synthesis and electrochemical reactions in Li-ion (and Na-ion) batteries

11.12.2023 (MEET Hall, Münster)

Prof. Dr. Bart Jan Ravoo (Co-Director, Centre for Soft Nanoscience (SoN), University of Münster)

Supramolecular concepts for energy storage materials

08.01.2024

Prof. Dr. Bill David (Department of Chemistry, St. Catherine's College, University of Oxford and ISIS)

Scaling up for Net-Zero

15.01.2024

Prof. Dr. Axel Groß (Director, Institute for Theoretical Chemistry, University of Ulm)

First-principles studies of batteries: concepts, trends and properties

22.01.2024

Dr. Ilka Hermes (Group Leader Correlative Atomic Force Microscopy at the Leibniz Institute of Polymer Research Dresden e.V.)

Functional imaging of polymer electrolytes for battery applications

