



Institut für Physik
Institut für Chemie und Biotechnik



INSTITUTSKOLLOQUIUM

Gemeinsames Kolloquium der Physik und Chemie

Am Dienstag, dem 16. Juli 2024, spricht um 17:15 Uhr im Faraday-Hörsaal,

Prof. Dr. Axel Groß
Institut für Theoretische Chemie, Universität Ulm

zum Thema:

„Electrochemical energy conversion and storage from an atomistic theoretical point of view“

Abstract:

Processes in electrochemical energy conversion and storage predominantly occur at interfaces between electrodes and electrolytes. However, in spite of the technological relevance of electrochemical interfaces, our knowledge about the atomistic details of structures and processes at these interfaces is still rather limited. In this presentation, I will describe the challenges associated with the theoretical description of such interfaces, but I will also sketch routes to overcome these obstacles. I will illustrate progress in this field by discussing recent progress with respect to first-principles studies of electrocatalytic and battery systems.

Wir laden Sie zu diesem Kolloquium herzlich ein!

Die Hochschullehrer der Institute für Physik und Chemie