

## CELEST Member Short Profile



**Axel Groß**



universität  
**uulm**

Axel Groß obtained his Diploma in Physics from the University of Göttingen in 1990 and his Ph.D. 1993 in Theoretical Physics at the Technical University of Munich. After five years as a staff scientist in the Theory Department of the Fritz-Haber-Institute of the Max-Planck-Society in Berlin, he became Associate Professor in Theoretical Physics/Surface Physics at the Technical University of Munich. In 2004 he was appointed as a Full Professor in Theoretical Chemistry at Ulm University; furthermore, in 2011 he became PI at Helmholtz Institute Ulm (HIU) Electrochemical Energy Storage. He has been visiting professor at the University of California at Santa Barbara and Stanford University. He is member of the review board of the German Science Foundation (DFG), and since 2019 he is one of the spokespersons of the Cluster of Excellence POLiS Post-Li Storage.

**Institute of Theoretical Chemistry  
Ulm University**

Albert-Einstein-Allee 11  
89081 Ulm

**Contact details**

Prof. Dr. Axel Groß  
+49 731 50-22810  
axel.gross@uni-ulm.de

### Research areas

First-principles modelling of atomistic structures and processes at surfaces and at solid–gas and electrochemical electrode–electrolyte interfaces in electrochemical energy conversion and storage, reactions in heterogeneous and electro-catalysis, and materials modelling related to properties of batteries.

### Lab equipment

**Axel Groß @ Institute of Theoretical Chemistry**

<https://www.uni-ulm.de/theochem>

**Link Institute of Theoretical Chemistry**

<https://www.uni-ulm.de/theochem>

**Link lab equipment**

Partners

