

CELEST Member Short Profile



R. Jürgen Behm

Since 2020, after his retirement, Jürgen Behm is Senior professor at Ulm University. From 1992 to 2020 he was full professor and director of the Institute of Surface Chemistry and Catalysis at Ulm University. From 1987 to 1992 he was Associate Professor in the Institute of Crystallography at the Ludwig-Maximilians-University in Munich. With a degree in chemistry, his research started in Surface Science of metal surfaces, where he was one of the pioneers in introducing and applying scanning tunneling microscopy for atomic scale studies of surface processes. Later, he became interested in similar questions in neighboring fields such as Surface Electrochemistry/Electrocatalysis and Heterogeneous Catalysis, focusing on the fundamental, atomic scale understanding of chemical and electrochemical surface/interface processes related to energy conversion and energy storage, e.g., fuel gas processing, fuel cells or batteries. This includes the development and application of various in situ / operando techniques. His research is documented in > 720 publications (H > 100). He is currently PI and member of the board of the Cluster of Excellence POLiS, and spokesperson of the Graduate School Electrochemical Energy Storage (GS-EES).

Institute of Theoretical Chemistry

Ulm University
 Oberberghof 7
 89081 Ulm

Contact details

Prof. Dr. R. Jürgen Behm
 +49 162 252 4617
juergen.behm@uni-ulm.de

Research areas

Surface Science, Scanning Probe Microscopies, Electrochemistry / Electrocatalysis, Heterogeneous Catalysis, Fundamental Aspects of (Electro)Chemical Energy Conversion and Storage

Lab equipment

–

Jürgen Behm @ Theoretical Chemistry

Link Inst. Theoretical Chemistry

Link lab equipment

<https://www.uni-ulm.de/nawi/nawi-theochemie/>

<https://www.uni-ulm.de/nawi/nawi-theochemie/>

--

Partners