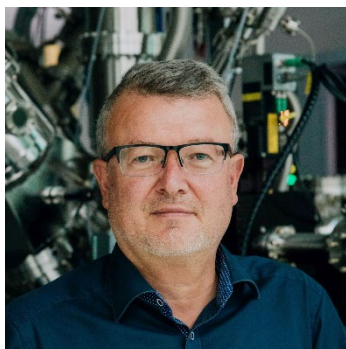


CELEST Member Short Profile



Maximilian Fichtner

Prof. Dr. Maximilian Fichtner is Chemist and Executive Director of the Helmholtz-Institute Ulm for Electrochemical Energy Storage (HIU), where he is supervising the “Solid State Chemistry” Department. He is also full professor for Solid State Chemistry at the Ulm University and head of the Department “Energy Storage Systems” at the Institute for Nanotechnology of the Karlsruhe Institute of Technology (KIT). He is member of the Advisory Board for Battery Research of the German Ministry BMBF and Honorary professor at the University of Wales in Swansea, UK. Fichtner is scientific director of CELEST (Center for Electrochemical Energy Storage Ulm-Karlsruhe) and spokesperson of the DFG (German Research Foundation) Cluster of Excellence “Energy Storage Beyond Lithium” (POLiS). He acts as a member of the core team of “BATTERY2030+” and has been co-ordinator of various German BMBF and BMWi, as well as European collaborative projects on battery- and hydrogen technology in HORIZON2020 and FP7.



Electrochemical Energy Storage

Helmholtz Institute Ulm (HIU)

Helmholtzstr. 11
89081 Ulm

Contact details

Prof. Dr. Maximilian Fichtner
+49 731 50 34201
m.fichtner@kit.edu

Research areas

His research interests are raw materials and sustainability issues, new principles for energy storage and the synthesis and investigation of related materials. A particular focus are rechargeable batteries based on Na, Mg, and Ca shuttle.

Lab equipment (at KIT-INT, HIU and Lise-Meitner Str. 16 in Ulm)

Fume hoods with Schlenk technique, Planetary Ball Mills, Box & tubular furnaces, 8 Glove boxes, Battery testers (ARBIN and BIOLOGIC) with climate chambers, VMP3 and Zahner M16 electrochemical workstations, 3-electrode cells from EL-CELL, 3x XRD STOE Stadi P with Cu, Mo, Ag radiation + in-situ + PDF option, TGA-DSC-MS, in-situ RAMAN + TERS (inert), Laboratory EXAFS, XPS/SIMS, ICP-OES, SEM/EDX.

Maximilian Fichtner @ HIU

<https://hiu-batteries.de/forschung/forschungsgruppen/solidstatechemistry/>
<https://hiu-batteries.de/kontakt/>

Link HIU

<https://hiu-batteries.de/>
<https://www.int.kit.edu/index.php>

Link Lab equipment

<https://hiu-batteries.de/forschung/forschungsgruppen/solidstatechemistry/>
<https://hiu-batteries.de/kontakt/>

Partners

