

Short CV

Jurgen Werner Garche

Education

PhD – Theoretical Electrochemistry - 1970
Habilitation – Applied Electrochemistry - 1980

Academia

Lecturer - Dresden University of Technology
Professor Electrochemistry - Ulm University
Visiting professor Electrochemistry at Shandong University, Dalian Institute for Chemical Physics (China) and Sapienca University Roma
Senior Professor – Ulm University

Carrier

1970 – 1990, Senior researcher, University lecturer at TU Dresden
1991 – 2004, Head of the Electrochemical Energy Storage and Energy Conversion Division of the Center for Solar Energy and Hydrogen Research, Ulm
2004 – now, CEO of FCBAT Ulm

Publications

308 papers, 10 patents, 7 books,

Editorial board member of Journals

Fuel Cells – From Fundamentals to Systems, International Journal of Hydrogen Energy, Electrochemical Power Sources

Managing

Chairman of the Education Working Group of the International Partnership of Hydrogen Economy (IPHE), Deputy Chairman of the Advisory Board of the German National FC&H2 Program
1 - Encyclopedia Electrochemical Power Sources, ELSEVIER 2009, 5 Volumes,
J. Garche – Editor-in-Chief
2 - Electrochemical Energy Storage for Renewable Sources and Grid Balancing, ed. by P. Mosely, J. Garche, ELSEVIER 2015, pages 473
3 - Safety of Lithium Batteries, ed. by J. Garche, K. Brandt, ELSEVIER, 2018 (March), 510 pages
4 - Status and perspectives of applications of fuel cell technologies – Review, J. Garche, L. Jörissen, Electrochemical Society – Interphase, Volume Summer 2015, pages 43 – 47
5 – Li-Batteries – Fundamentals for renewable and automotove applications (in German), pages 197 – 233 in Batterien als Energiespeicher“ – Stationäre und mobile Anwendungen in den Bereichen der Energiewende (ed. by E. Fahlbusch), Beuth Verlag, Berlin-Wien-Zürich, 2015,
6 - Fast and Accurate Measurement of Entropy Profiles of Commercial Lithium-Ion Cells, P. J. Osswald, M.del. Rosario, J. Garche, A. Jossen, H. E. Hoster, Electrochimica Acta, 177 (2015) 270- 276.-
7 - Impact of active material surface area on thermal stability of LiCoO₂ cathode, J. Geder, H. Hoster, A. Jossen , J. Garche, D. Y.W. Yu, J. Power Sources, Volume 257, 2014, p. 286,