

**Current positions**

Director of the Institute of Electrochemical Process Engineering (IEK-3), FZJ (since 1998)

University Professor, Chair for Fuel Cells, RWTH Aachen University, Germany (since 2000)

**Previous positions (two selected)**

Head of “SOFC Project” and Group leader “Ceramics for Fuel Cells”, Dornier GmbH, Friedrichshafen, Germany (1989 – 1997)

Marketing Manager, Dornier Satellitensysteme GmbH, Friedrichshafen, Germany (1997 – 1998)

**Scientific degrees**

Dr.-Ing. (PhD) at Faculty of Metallurgy of the Technical University Clausthal, Germany (1989)

**Recent research topics**

Techno-Economic systems analysis focusing on renewable energies, electrochemical process engineering

**Awards, honors, memberships**

Member of the Advisory Board of the VDI- GVC (Association of German Engineers- Chemical and Process Engineering) (since 2011); Chairman of the Executive Committee of IEA’s Technology Collaboration Programme on Advanced Fuel Cells (since 2011); Member of the Advisory Board of the Max-Planck-Institute for the Dynamic of Complex Technical Systems in Magdeburg (since 2011); Chairman of the ProcessNet Subject Division Energy Process Engineering (since 2008); Chairman of the World Hydrogen Energy Conference WHEC 2010 in Essen; Sir William Grove Award of the International Association for Hydrogen Energy

**Publications/Patents (5 most important)**

- **M. Carmo, D.L. Fritz, J. Mergel, D. Stolten**, A Comprehensive Review on PEM Water Electrolysis, *Int. J. Hydrogen Energ.* 38, 4901 (2013) [doi:10.1016/j.ijhydene.2013.01.151](https://doi.org/10.1016/j.ijhydene.2013.01.151)
- **S. Schiebahn, T. Grube, M. Robinius, V. Tietze, B. Kumar, D. Stolten**, Power to Gas: Technological Overview, Systems Analysis and Economic Assessment for a Case Study in Germany, *Int. J. Hydrogen Energ.* 40, 4285 (2015) [doi:10.1016/j.ijhydene.2015.01.123](https://doi.org/10.1016/j.ijhydene.2015.01.123)
- **A. Otto, T. Grube, S. Schiebahn, D. Stolten**, Closing the Loop: Captured CO<sub>2</sub> as a Feedstock in the Chemical Industry, *Energ. Environ. Sci.* 8, 3283 (2015) [doi:10.1039/c5ee02591e](https://doi.org/10.1039/c5ee02591e)
- **M. Robinius, A. Otto, P. Heuser, L. Welder, K. Syranidis, D.S. Ryberg, T. Grube, P. Markewitz, R. Peters, D. Stolten**, Linking the Power and Transport Sectors – Part 1: The Principle of Sector Coupling, *Energies* 10, 956 (2017) [doi:10.3390/en10070956](https://doi.org/10.3390/en10070956)
- **S.M. Saba, M. Müller, M. Robinius, D. Stolten**, The Investment Costs of Electrolysis – A Comparison of Cost Studies from the Past 30 Years, *Int. J. Hydrogen Energ.* 43, 1209 (2018) [doi:10.1016/j.ijhydene.2017.11.115](https://doi.org/10.1016/j.ijhydene.2017.11.115)