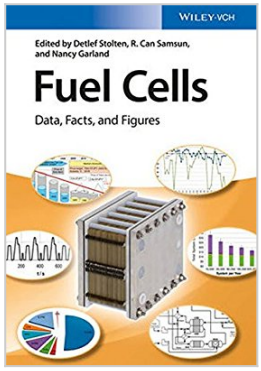

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This ready reference is unique in collating in one scientifically precise and comprehensive handbook the widespread data on what is feasible and realistic in modern fuel cell technology.

Edited by one of the leading scientists in this exciting area, the short, uniformly written chapters provide economic data for cost considerations and a full overview of demonstration data, covering such topics as fuel cells for transportation, fuel provision, codes and standards.

The result is highly reliable facts and figures for engineers, researchers and decision makers working in the field of fuel cells.

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Fuel Cells: Data, Facts, and Figures From Wiley-VCH Bibliography

- Sales Rank: #5258133 in Books
- Published on: 2016-05-31
- Original language: English
- Number of items: 1
- Dimensions: 9.80" h x 1.00" w x 6.80" l, 2.57 pounds
- Binding: Hardcover
- 408 pages

Editorial Review

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Prof. Detlef Stolten is the Director of the Institute of Energy Research - Fuel Cells at the Research Center Juelich, Germany. Prof Stolten received his doctorate from the University of Technology at Clausthal, Germany. He served many years as a Research Scientist in the laboratories of Robert Bosch and Daimler Benz/Dornier. Since 1998 he has been holding the position of Director at the Research Center Juelich. Two years later he became Professor for Fuel Cell Technology at the University of Technology (RWTH) at Aachen. Prof. Stolten's
research focuses on electrochemical energy engineering including electrochemistry and energy process engineering of Electrolysis, SOFC and PEFC systems, i.e. cell and stack technology, process and systems engineering as well as systems analysis. Prof. Stolten is Chairman of the Implementing Agreement Advanced Fuel Cells, member of the board of the International Association of Hydrogen Energy (IAHE) and is on the advisory boards of the German National Organization of Hydrogen and Fuel Cells (NOW), and the journal Fuel Cells. He was chairman of the World Hydrogen Energy Conference 2010 (WHEC 2010).

Dr. Renzi Can Samsun is the head of Group Systems Technology for on-board power supply at the Institute of Energy and Climate Research at the Juelich Research Center. His research fields are high-temperature polymer electrolyte fuel cell systems, fuel processing systems for fuel cells and modelling of energy systems.

Nancy Garland is a Technology Development Manager in the U.S. Department of Energy's Office of Fuel Cell Technologies. She is responsible for managing National Laboratory R&D activities in fuel cells, including membranes, catalysts, MEAs, as well as characterization and analysis. She led a High Temperature Membrane Working Group with ~ 60 participants from academia, industry, and DOE National Laboratories. Prior to coming to DOE, she was a Research Chemist at the U.S. Naval Research Laboratory where she carried out experimental studies on chemical kinetics and dynamics. Dr. Garland is a member of the American Chemical Society and the Combustion Institute.

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