Gain A Working Knowledge of Fuel Cell Technology with This Updated Text

In the search for economical and environmentally friendly energy sources, fuel cell technology takes center stage. Since its introduction in 2005, *Fuel Cell Fundamentals* has provided a solid introduction to the essential science and engineering behind this technology, with emphasis on the foundational scientific principles that apply to fuel cell types. Fully updated with the latest technological advances, relevant calculations, and enhanced chapters on advanced fuel cell design and electrochemical and hydrogen energy systems, this new edition also features worked problems, illustrations, and real-world application examples. Instruction is presented in two parts:

Fuel Cell Principles examines the basics of fuel cell physics, including fuel cell thermodynamics, kinetics, transport, and modeling.

Fuel Cell Technology explores fuel cell types, the latest electrical and hydrogen technology, and the design of systems and subsystems based on application, performance, cost, and environmental impact.

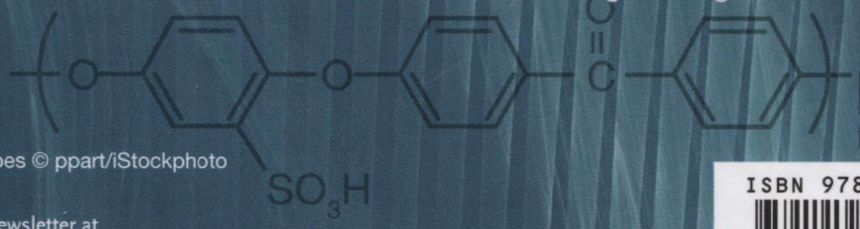
This book covers the "how" and "why" of fuel cell technology. If you are a graduate or advanced undergraduate student in engineering or material science, *Fuel Cell Fundamentals* helps prepare you to pursue this booming field.

RYAN O'HAYRE, PHD, is a Professor of Metallurgical and Materials Engineering at the Colorado School of Mines where his Advanced Energy Materials Laboratory develops new materials and devices to enable alternative energy technologies.

SUK-WON CHA, PHD, is a Professor in the School of Mechanical and Aerospace Engineering at Seoul National University, Seoul, South Korea.

WHITNEY G. COLELLA, PHD, is Faculty with the G.W.C. Whiting School of Engineering at The Johns Hopkins University in Baltimore, Maryland and Principal Research Engineer with Gaia Energy Research Institute.

FRITZ B. PRINZ, PHD, is the Finmeccanica Professor in the School of Engineering, Professor of Mechanical Engineering and Professor of Materials Science and Engineering at Stanford University.



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