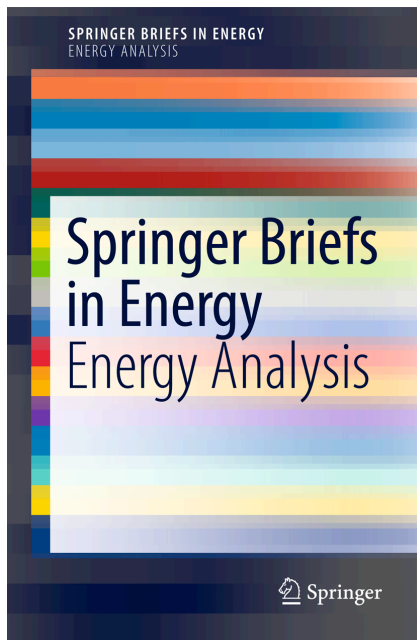


Springer Briefs in Energy Analysis

A new series of books edited by
Charles Hall (SUNY College of Environmental Science & Forestry)



While oil spills, mine deaths, and stock market volatility grab the headlines, there are much more fundamental discussions taking place about energy and its economic and environmental effects, some already occurring, on a societal scale. Most fundamental in this respect is the arrival, plus or minus a few years, of global peak oil, which in 1968 was first predicted to occur around the turn of the millennium. Clearly, energy never really went away and in fact underlies all physical motion, all life, all chemistry, and all economics. It has been neglected in our understanding and teaching of societal processes for far too long, and particularly now when the scope and importance of issues growing out of energy availability and use are increasing yearly. These issues and impacts include the potential for economic growth and wealth creation (including “sustainable development”), climate change, general pollution, agricultural production, clean water, and perhaps even the continued existence of civilization as we know it in the coming decades.

There is a great need for a comprehensive and integrated series of books that provides a quantitative accounting of energy use including the potential and limitations of real-world deployments of new technologies. *Springer Briefs in Energy Analysis* will cover the fundamental ways in which energy operates in the natural world and, in its abundance and governing physical laws, enables and constrains all human activities. The series will be empirically based with much technical information while remaining accessible to the non-specialist reader. Individual books will minimize the jargon, mathematics, or theory of specialist books in the various disciplines on the one hand, and the advocacy positions of popular accounts that may make their scholarship and conclusions suspect on the other.

Key Features:

- The Briefs will appeal to advanced undergraduate students through professionals in the physical sciences, environmental sciences, and economics and financial communities.
- University instructors will find these books to be invaluable for providing students (and themselves) with greater depth and insight into the role of energy in society with an emphasis on the methods and applications of energy accounting.

Format:

“Briefs” are short, concise monographs of 50-125 book pages that are short enough to scale-up from the concept for a typical contributed chapter, but long enough to provide valuable, in-depth coverage of the subject. The format is also ideal for delivery to the reader as an e-book.

- ***Titles in development and further information on reverse***

Planned Titles (in tentative order of publication)

- ***The Limits to Growth Revisited*** (Ugo Bardi, Dipartimento di Chimica, Università di Firenze)
- **Drilling Down: The Gulf Oil Debacle and Our Energy Dilemma** (Joseph Tainter, Utah State University; Tadeusz Patzek, University of Texas at Austin)
- **The Energetics of Modern Societies** (Mario Giampietro, Universitat Autònoma de Barcelona (UAB); Kozo Mayumi, University of Tokushima; Alevgül H. Şorman, Universitat Autònoma de Barcelona (UAB))
- **Peak Oil: Science, History, and the Post-Peak World** (Colin J. Campbell, Jean Laherrère, Charles A.S. Hall)
- **Beyond Hubbert: How Limited Oil Supplies Cause Economic Crises** (Gail E. Tverberg; David Murphy)
- **The Chinese Oil Industry: History and Trends to 2030** (Lianyong Feng, China University of Petroleum, Beijing ; Yan Hu, China University of Petroleum, Beijing)
- **Energy Statistics** (Jun Toutain, Norwegian Water Resources and Energy Directorate; Alevgül H. Şorman, Universitat Autònoma de Barcelona (UAB); Mario Giampietro, Universitat Autònoma de Barcelona (UAB))
- **Energy Returned on Energy Invested from Solar Photovoltaic Power in Spain** (Pedro A. Prieto, Asociación para el Estudio de los Recursos Energéticos, Madrid, Spain; Charles A.S. Hall, SUNY College of Environmental Science and Forestry, Syracuse, NY)
- **Energy Analysis of Chinese Urban Areas** (Brian D. Fath, Towson University; Yan Zhang, Beijing Normal University)

Call for Proposals

We welcome your ideas for new topics in the series! Please discuss your idea with Charlie Hall or send an e-mail to David Packer at david.packer@springer.com.