

FIELDS COVERED

- Access to clean energy
- Bioenergy
- Biofuels
- Bio-inspired solar fuel production
- Capacity building and communication strategies
- Carbon sinks
- Climate policy
- Climate protection
- Electric, hybrid plug-in, and hybrid vehicles
- Energizing development
- Energy autonomy and cities
- Energy behavior
- Energy conservation
- Energy efficiency
- Energy for the poor: The renewable options for rural electrification
- Energy meteorology
- Energy scenarios
- Energy security
- Energy storage
- Energy-efficient buildings
- Energy-efficient lighting
- Enhanced Geothermal Systems (EGS)
- Financing energy efficiency
- Fuel cells
- Gender and energy
- Geothermal energy for direct use (district heating, industry, agriculture, etc.)
- Geothermal power generation
- Green and greening computing
- Green construction materials
- Heat pumps
- Hydrogen technologies
- Labeling energy performance
- Low energy architecture
- Nano-energy
- Organic farming
- PV module recycling
- Renewable energy scenarios
- Renewable energy strategies and policies
- Renewable materials
- Renewable vehicle energy
- Renewables energy for drinking water solutions
- Renewables for poverty reduction
- Renewables for small islands
- Soil carbon sequestration
- Solar cars
- Solar PV
- Solar heating and cooling
- Sustainable energy policies
- Sustainable hydropower
- Sustainable public transportation
- Tidal energy
- Water desalination using renewables
- Wave power
- Wind energy

INVITATION

We are permanently planning the preparation of new books in this series, and are actively seeking innovative contributions. The proposed volume may be an authored or edited book and it may also be a collection of selected and peer-reviewed papers from congresses and other scientific events. We also publish proceedings in a parallel series entitled "Sustainable Energy Developments — Proceedings".

Please contact the series editor (jochenbunds Schuh@yahoo.com).

For more information on *Sustainable Energy Developments*, visit the series pages at our website:

www.taylorandfrancis.com/books/series/SUED/

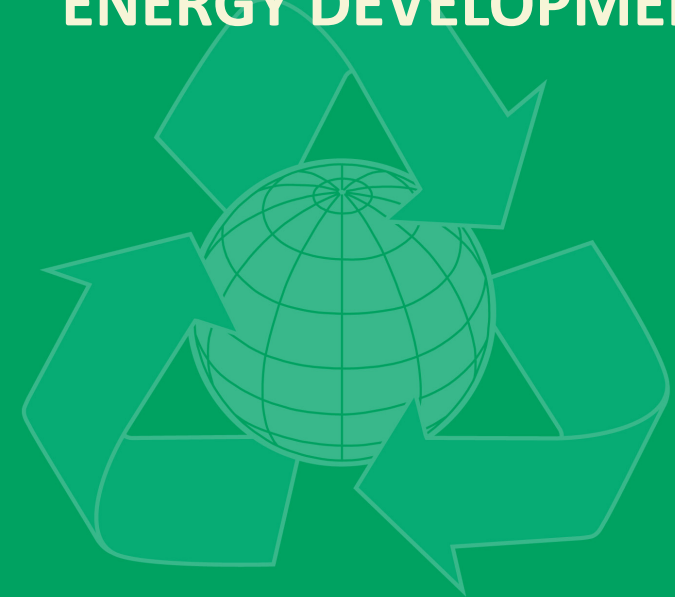


CRC Press / Balkema W: www.crcpress.com E: pub.nl@taylorandfrancis.com T: +31 71 524 3080



NEW BOOK SERIES

SUSTAINABLE ENERGY DEVELOPMENTS



Series editor: Jochen Bundschuh

*University of Southern Queensland, Toowoomba, Australia
Royal Institute of Technology, Stockholm, Sweden*





NEW BOOK SERIES

Sustainable Energy Developments

Series editor: Jochen Bundschuh

University of Southern Queensland, Toowoomba, Australia

Royal Institute of Technology, Stockholm, Sweden

Renewable energy sources and sustainable policy options, including energy efficiency and energy conservation, can provide long-term solutions for key-problems of industrialized, developing and transition countries by providing clean and domestically available energy and, at the same time, decreasing dependence on fossil fuel imports and reducing greenhouse gas emissions. The book series will serve as a multi-disciplinary resource linking renewable energy and other sustainable materials with human society. The book series fulfils the rapidly growing worldwide interest in sustainable solutions. It covers all fields of renewable resources and their possible applications will be addressed not only from a technical point of view, but also from economic, financial, social, political, legislative and regulatory viewpoints.

The book series is considered to become a state-of-the-art source for a large group of readers comprising different stakeholders and professionals, including government and non-governmental organizations and institutions, international funding agencies, universities, public energy institutions, public health and other relevant institutions as well as to civil society.

EDITORIAL BOARD

Morgan Bazilian *Senior Advisor on Energy and Climate Change to the Director-General, United Nations Industrial Development Organisation (UNIDO), Vienna, Austria*

Maria da Graça Carvalho *Member of the European Parliament, Brussels & professor at Instituto Superior Técnico, Technical University of Lisbon, Portugal*

Robert K. Dixon *Leader, Climate and Chemicals, The Global Environment Facility, The World Bank Group, Washington, DC*

Rainer Hinrichs-Rahlwes *President of the European Renewable Energies Federation (EREF); Board Member of the German Renewable Energy Federation (BEE), Berlin, Germany*

Veena Joshi *Senior Advisor-Energy, Section Climate Change and Development, Embassy of Switzerland, New Delhi, India*

Eric Martinot *Senior Research Director, Institute for Sustainable Energy Policies (ISEP), Nakano, Tokyo & Tsinghua University, Tsinghua-BP Clean Energy Research and Education Center, Beijing, China*

CRC Press / Balkema W: www.crcpress.com E: pub.nl@taylorandfrancis.com T: +31 71 524 3080

FORTHCOMING TITLES

• **Jochen Bundschuh & Jan Hoinkis (eds.), *Renewable Energy Applications for Freshwater Production*** May 2012, ISBN 978-0-415-62089-5, HB, £ 76.99 / US \$ 119.95

Technologies and costs of novel treatment units using renewable energy sources are discussed and compared with those of other technologies for clean water production considering external costs. Energy efficiency is highlighted since it is of special importance in systems that are to be powered by renewable energy. Moreover applications of water supply systems providing water in emergency condition are discussed.

• **Rainer Hinrichs-Rahlwes (ed.), *Sustainable Energy Policies for Europe: Towards 100% Renewable Energy*** Aug. 2012, ISBN 978-0-415-62099-4, HB, £ 63.99 / US \$ 99.95

Provides an overview and in-depth analysis of a vital debate. It will describe policy options and assess their impact on Renewable Energy development and deployment in Europe. Assessment will be tried how European policies can serve as best practise examples for developing and developed countries.

• **Erik Dahlquist (ed.), *Biomass as Energy Source: Resources, Systems and Applications*** Sep. 2012, ISBN 978-0-415-62087-1, HB, £ 82.00 / US \$ 129.95

Provides a state-of-the-art in the field of available and future biomass resources, energy systems using biomass and optimization and control of systems and processes.

• **Erik Dahlquist (ed.), *Technologies for Converting Biomass to Useful Energy***

Sep. 2012, ISBN 978-0-415-62088-8, HB, £ 82.00 / US \$ 129.95

Provides the state-of-the-art in the field of efficient biomass conversion. Covering most technical issues such as combustion, gasification, torrefaction, pyrolysis, pelletizing and biogas production.

• **Jochen Bundschuh, Steven Erdahl, Will Gosnold, Maria Richards & Paul Morgan, *Geothermal Energy from Oil and Gas Wells***

Jun. 2013, ISBN 978-0-415-62090-1, HB, £ 108.00 / US \$ 169.95

Discusses the different scenarios how geothermal energy of hydrocarbon reservoirs can be used: (1) In wells with ongoing or abandoned oil and gas exploitation; (2) in offshore; (3) drilling new geothermal wells in promising hydrocarbon reservoirs.

• **Emily S. Nelson, D.R. Reddy (eds.), *Green Aviation***

Dec. 2012, ISBN 978-0-415-62098-7

• **Jaco H. Appelman, Martijn Warnier (eds.), *Green ICT & Energy: From smart to wise strategies*** Dec. 2012, ISBN 978-0-415-62096-3

• **Carlo Minini, *Binary Geothermal Power Plants*** Jan. 2013, ISBN 978-0-415-62097-0

• **Ruggero Bertani, *The Geothermal World: Past, Present and Future: Power Plants and Geothermal Fields***

• **Jochen Bundschuh & Dina L. López (eds.), *Geothermal Energy from Underground Mines***

CRC Press / Balkema W: www.crcpress.com E: pub.nl@taylorandfrancis.com T: +31 71 524 3080