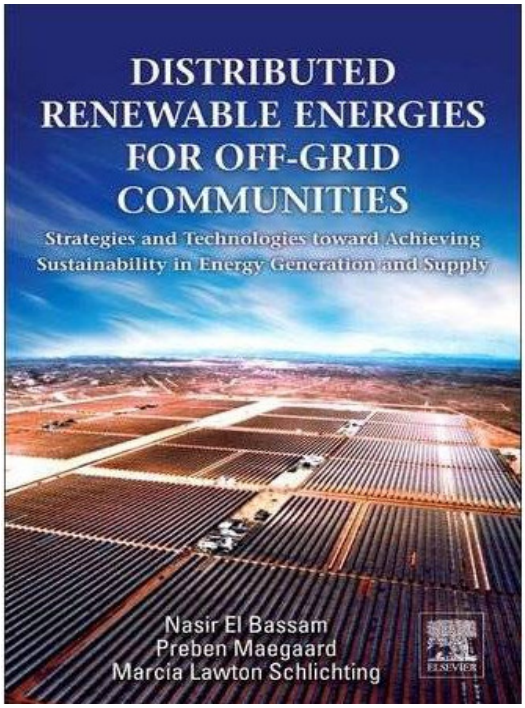
Book Review

A Local Solution for Global Energy Issue

Prof Dr. Rishi Kumar Behl, University of Hisar, Haryana, India

The book brings different opportunities and case studies related to the potential of renewable energy together with their environmental, economic and social dimensions. Its case studies provide solutions for the future of decentralized energy supply



Germany; Denmark; USA; November 30, 2012

All of us realize the complex liaison between energy, economics and environment. Renewable energy is evolving as a common answer for all these issues. Given that, for institutionalising renewable energy, decentralising the energy generation based on the geographic distribution of the renewable resources is critical. Understanding this, the authors have written a book, comprehending the strategies and technologies of renewable off-grid communities and their complementary role in upbringing energy autonomy to the people.

Distributed Renewable Energies for Off-Grid Communities: Strategies and Technologies Toward Achieving Sustainability in Energy is second volume in the series of edition in communal energy solutions.

The book contains explanations, road maps, planning methodologies, exemplary scenarios and discussions about energy solution for distributed communities.

In the introductory phase, the authors address the needs to restructure the current centralized energy production to decentralized ones. Following descriptions provide insight to the readers on how to estimate needs, allocate resources and model a self sufficient energy society. The writers have also dedicated exclusive chapters on state of the art renewable energy technologies such as wind-, solar-, biomass-, hydro- and marine energy.

Consequently a detailed account on energy storage, smart gird and electrical vehicles are expounded in the publication. Through the book the readers will also gain knowledge about the current distributed rural and urban communities across the globe. The final chapter explicates the ways of integrating the energy supply by consumer participation and its economic trends.

Today it is estimated that more than two billion people worldwide lack access to modern energy sources. On the other hand, climate change, depleting fossil fuel reserves and security risks of atomic energy threatens the mankind its very own existence. In this book the authors brings years of

experience to address these issues and to educate the people for their own rights to participate in energy supply making.

About the authors

Prof. Dr. Nasir El Bassam is Director of the International Research Centre for Renewable Energy, Germany, Chair of World Council of Renewable Energy (WCRE) and also the Head of the Project Concentrating Solar Power for Seawater Desalination Middle East and North Africa Countries. In addition he is EU-Adviser in developing, evaluating and funding of research programmes. Besides he is President of the International Council of Sustainable Agriculture for Food, Energy and Industry (ICSA), Canada. He has held several other international positions, won various awards in the field of renewable energy and authored many articles, reports and books.

Dr. Preben Maegaard is a Danish renewable energy pioneer, author and expert who is Executive Director of the Nordic Folkecenter for Renewable Energy. Since the 1973 oil crisis he has worked locally, nationally and internationally for the transition from fossil fuels to renewable energy. He has served on several Danish governmental committees and councils for the deployment of renewable energy. He was Founding President (2001–2005) of the World Wind Energy Association and he held several other international positions. He has authored numerous reports, books, and articles in Danish, English, German and Japanese on renewables and sustainable development.

Ms. Schlichting is Editor for the International Research Centre for Renewable Energy. Ms. Schlichting has an Associate Degree in Applied Science, Water, and Wastewater Technology and has conducted laboratory research in the field of filtration and purification.

Price: USD 99.95 (Hardcover), USD 100 (ebook) ; Pages: 384 ; Publisher: Elsevier; 1 edition (November 28, 2012); Language: English; ISBN-10: 0123971780; ISBN-13: 978-0123971784
To purchase copies of the book visit http://www.amazon.com/Distributed-Renewable-Energies-Off-Grid-Communities/dp/0123971780/ref=sr_1_3?s=books&ie=UTF8&qid=1351172056&sr=1-3&keywords=Nasir+El+Bassam

For more information visit
http://store.elsevier.com/product.jsp?isbn=9780123971784&pagename=search