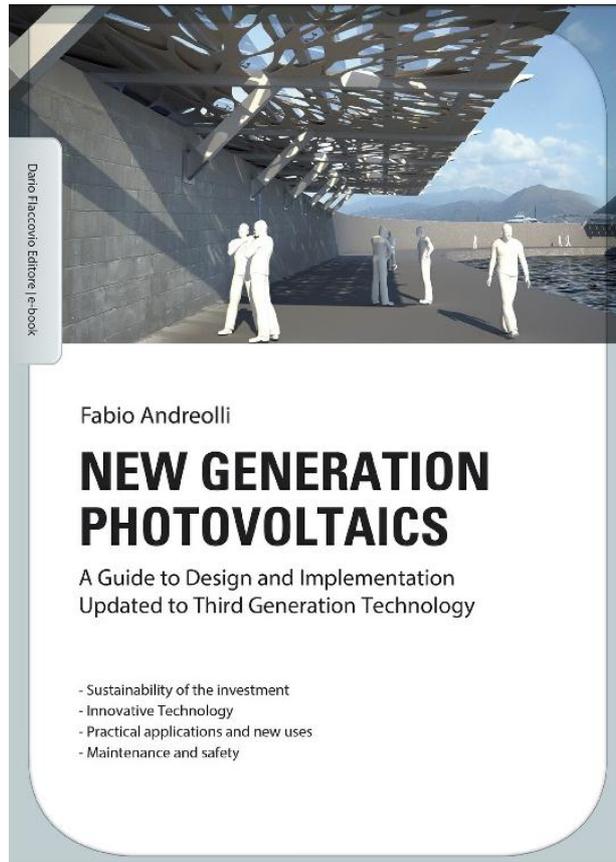

Books News & Reviews

BOOK RATING:



New generation photovoltaics: A Guide to Design and Implementation Updated to Third Generation Technology, by Fabio Andreolli, Dario Flaccovio Publisher, 2014
e-Book – ePub ISBN: 9788857902920

Photovoltaic energy was underrated for a long time in the past and almost considered a mere curiosity. Today it plays an increasingly preponderant role among renewable energy sources, and - according to various hypotheses - it will become the top global energy source thanks to its ability to exploit the Sun's inexhaustible free rays directly. This means it can silently produce energy anywhere on the planet without requiring major infrastructural constraints.

This book aims to provide a global overview of the technological, design and financial aspects of solar power systems. All the topics and all the parts that make up a photovoltaic system are dealt with, with an emphasis on next-generation technologies and innovative applications. The book also contains an analysis of some aspects of the subject which are not strictly technical, including financial, environmental and legal issues. It also illustrates a series of pioneering achievements that should be taken as new benchmarks thanks to the help and contributions from awarded designers, leading international universities and independent organizations.

The publication is intended for designers, architects, energy managers, installers, retailers, investors and technology teachers, as well as anyone who is curious about the subject, and supporters of green energy and sustainability strategies.

About the author: Fabio Andreolli holds a university degree in industrial engineering and is a member of the Italian Electrotechnical Committee (CEI/IEC) at SC 65 A "Industrial Process Measurement and Control – Systems" and CT 45/345 "Nuclear".

Project Manager for a major company and professional engineer, he has always worked in the world of energy, oil and gas, and has built up significant international experience, including the first-hand implementation of major projects. He has published books, numerous articles and studies relating to energy, standardization and industrial safety.

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