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engineering principles of

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of renewable energy to
electrical power
generation. As each
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the student is shown
how to do a basic
energy analysis of the
corresponding power-
generation system.
Following an
introductory chapter
that covers the main
types of renewable

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energy, the basics of energy and power calculations, and the fundamental economics of renewable energy systems, the book devotes a separate chapter to each renewable energy type: solar, wind, hydro, geothermal, marine, and biomass.

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presented at the 15th
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Considerable progress
has been made in recent
decades in
understanding the
engineering behavior of
those hard soils and
weak rocks that clearly

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fall into either the field of soil or of rock mechanics, and there have been important developments in design and construction methods to cope with them. Progress would be even more desirable, however, for those materials which fall into the ' grey ' area between soils and rocks. They present particular

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challenges due to their diversity, the difficulties and problems arising in their identification and classification, their sampling and testing and in the establishment of suitable models to adequately describe their behavior. The publication aims to provide an updated overview of the existing worldwide knowledge of

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the geological features,
engineering properties
and behavior of such
hard soils and weak
rocks, with particular
reference to the design
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methods and problems
associated with these
materials. Part 4 was
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