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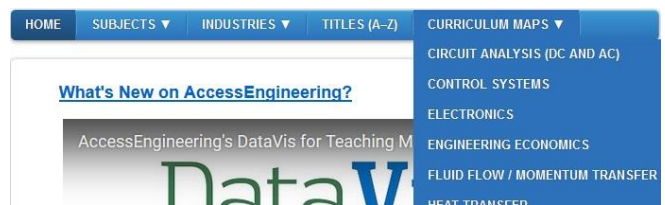
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Information search

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⑥ Advanced Search

Advanced Search

Enter one or more search criteria below. Boolean AND, OR and NOT are supported (e.g. mechanical AND engineering). Use quotation marks (" ") to find an exact phrase (e.g. "mechanical engineering"). Use asterisks to match partial words in fields (e.g. circuit*).

6.1 Search for: 6.2 All of these words ▾

6.3 With this author:

But do not search for:

Within:

6.4 This content type: All ▾

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6.5 SEARCH

6.1 Type words in Search for: box

6.2 Select a relevance of words

6.3 Can add information by typing words in With this author: and But do no search for: boxes

6.4 Can add information by select dropdown lists in This content type:, This subject: or This title:

6.5 Click on SEARCH

Search results

Results from Search by keywords renewable energy are shown as the following picture.

①

The screenshot shows a search results page for 'renewable energy' with 1,984 results. Annotations include: 1. 'Narrow your search' sidebar; 2. 'View dictionary definition for renewable energy source' link; 3. 'RENEWABLE ENERGY TECHNOLOGIES' result; 4. 'RENEWABLE ENERGY TECHNOLOGIES' result.

Result page management

- 1 Refine results
- 2 View keyword definition from dictionary
- 3 View source detail page



by: H. Wayne Beaty, Donald G. Fink

Abstract: For more than a century, the Standard Handbook for Electrical Engineers has served as the definitive source for all the pertinent electrical engineering data essential to both engineering students and practicing engineers. It offers comprehensive information on the generation, transmission, distribution, control, operation, and application of electric power. Completely revised throughout to address the latest codes and standards, the 16th Edition of this renowned reference offers new coverage of green technologies such as smart grids, smart meters, renewable energy, and cogeneration plants. Modern computer applications and methods for securing computer network infrastructures that control power grids are also discussed. Featuring hundreds of detailed illustrations and contributions from more than 75 global experts, this state-of-the-art volume is an essential tool for every electrical engineer.

[Full details](#)

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[RENEWABLE ENERGY TECHNOLOGIES](#) ☆

11.2. RENEWABLE ENERGY TECHNOLOGIES

BY RAMESH BANSAL

The energy crisis, which began in 1973, caused petroleum supplies to decrease and prices to rise exorbitantly. This crisis forced developing countries to reduce or postpone important development programs, so they could purchase petroleum to keep their economies operating. It created the urgent necessity to find and develop alternative energy sources, as other fossil fuels (coal, oil, and natural gas), nuclear energy, and renewable energy resources.

There are concerns about nuclear energy because of the associated accident risks, waste disposal difficulties, nuclear terrorism, and nuclear weapon proliferation are dangerous in themselves. Acquiring nuclear energy from the industrialized world could, moreover, result in greater technological and economic dependence on developed countries. World's proved fossil fuel resources might be exhausted in about 100 years, thus making situation alarming. A more feasible alternative to petroleum, coal, and nuclear reactors in developing countries is the direct and indirect use of solar energy, which is renewable, abundant, decentralized, and nonpolluting.

Each day, the sun sends to earth many thousands of times more energy than we attain from other sources

Citation

H. Wayne Beaty; Donald G. Fink: Standard Handbook for Electrical Engineers, Sixteenth Edition. [RENEWABLE ENERGY TECHNOLOGIES](#). Chapter (McGraw-Hill Professional, 2013). AccessEngineering

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By Pakapun Panich

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