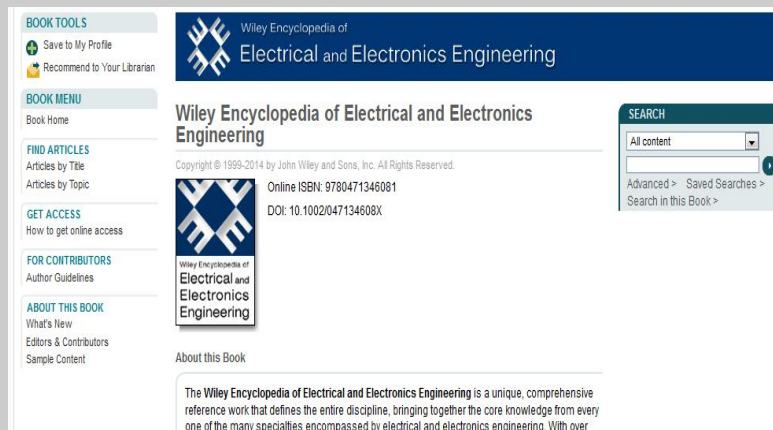


Name of the Tool

Wiley Encyclopedia of Electrical and Electronics Engineering

Home Page



Logo



URL

<http://onlinelibrary.wiley.com/book/10.1002/047134608X>

Subjects

Electrical engineering – Encyclopedias

Electronics – Encyclopedias

Accessibility

On subscription

Language

English

Publisher

John Wiley and Sons, Inc

Brief History

John Wiley & Sons, Inc., also referred to as **Wiley** is a global publishing company that specializes in academic publishing and markets its products to professionals and consumers, students and instructors in higher education, and researchers and practitioners in scientific, technical, medical, and scholarly fields. The company produces books, journals, and encyclopedias, in print and electronically, as well as online products and services, training materials, and educational materials for undergraduate, graduate, and continuing education students.

Wiley was established in 1807 when Charles Wiley opened a print shop in Manhattan. Charles Wiley's son John (born in Flatbush, Long

Island, 4 October 1808; died in East Orange, New Jersey, 21 February 1891) took over the business when his father died in 1826. The firm was successively named Wiley, Lane & Co., then Wiley & Putnam, and then John Wiley. The company acquired its present name in 1876, when John's second son William H. Wiley joined his brother Charles in the business. Through the 20th century, the company expanded its publishing activities, the sciences, and higher education. Since the establishment of the Nobel Prize in 1901, Wiley and its acquired companies have published the works of more than 450 Nobel Laureates, in every category in which the prize is awarded.

Wiley Online Library is a subscription-based library of John Wiley & Sons that launched on August 7, 2010. It is a collection of online resources covering life, health, and physical sciences as well as social science and the humanities.

Scope and Coverage

The Wiley Encyclopedia of Electrical and Electronics Engineering is a unique, comprehensive reference work that defines the entire discipline, bringing together the core knowledge from every one of the many specialties encompassed by electrical and electronics engineering. With over 1,700 articles, it is the ideal starting point for research projects, whether addressing basic questions in power systems and communications, or learning advanced applications in neural networks and robotics. In addition to electrical and electronics engineering applications, the Encyclopedia features important topics of interest to engineers, including: education; historical background of fields in electrical and electronics engineering; patents; technology and society; and computer and software engineering.

The encyclopedia covers 67 topics on electrical and electronics engineering. Some of them are:

- ❖ Advanced Packaging;
- ❖ Biomedical Engineering;
- ❖ Computational Science and Engineering;
- ❖ Dielectrics and Electrical Insulation;
- ❖ Electromagnetic Compatibility;
- ❖ Fuzzy Systems;
- ❖ Geoscience and Remote Sensing;
- ❖ Information Theory;

	<ul style="list-style-type: none"> ❖ Knowledge and Data Engineering; ❖ Lightwave Technology; ❖ Microelectromechanical Systems; ❖ Networking; ❖ Oceanic Engineering; ❖ Power Electronics; ❖ Quantum Electronics; ❖ Robotics and Automation; ❖ Semiconductor Manufacturing; ❖ Software Engineering; ❖ Technology and Society; ❖ Ultrasonics, Ferroelectrics, and Frequency Control; ❖ Visualization and Computer Graphics etc. and many more.
<p><i>Kind of Information</i></p>	<ul style="list-style-type: none"> ➤ Under each topic, the encyclopedia provides a full length article along with an abstract. The each entry also includes a separate list of figures and a list of tables which are included in the article. These lists are helpful to know directly about the figures and tables used in these articles. The entry also includes list of references separately to give provision to know about the cited sources of the articles. ➤ At the beginning of an article, the encyclopedia provides the title of the article with name of the author and a DOI number of the article. ➤ With the article, the encyclopedia provides additional information on “How to Cite”, “Author Information” and “Publication History” of the article.
<p><i>Special Features</i></p>	<ul style="list-style-type: none"> ❖ The encyclopedia provides DOI number for each of its article. By this number one can search for the article from outside of the encyclopedia.

❖ The encyclopedia also provides four article tools. These are:

- “Save to My Profile”
- “Export Citation for this Article”
- “E-mail Link to this Articles”
- “Share” by
 - ✓ “Digg”
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 - ✓ “ResearchGate”
 - ✓ “Reddit”
 - ✓ “CiteULike”
 - ✓ “Facebook”
 - ✓ “Delicious”
 - ✓ “Www.mendeley.com”
 - ✓ “Tweeter”

❖ The encyclopedia provides full article in HTML as well as PDF version.

Arrangement Pattern

The main categories and the articles under each category are arranged alphabetically.

Example 1: Alphabetic arrangement of main categories



Example 2: Alphabetic arrangement of articles in a category

- ▣ **Aerospace and Electronic Systems**
 - Aerospace Expert Systems
Abstract | Full Article (HTML) | PDF(125K)
 - Aerospace Simulation
Abstract | Full Article (HTML) | PDF(174K)
 - Air Traffic Control Systems
Abstract | Full Article (HTML) | PDF(6632K)
 - Air Traffic Management
Abstract | Full Article (HTML) | PDF(9747K)
 - Aircraft Computers
Abstract | Full Article (HTML) | PDF(184K)
 - Aircraft Navigation
Abstract | Full Article (HTML) | PDF(225K)
 - Attitude Control
Abstract | Full Article (HTML) | PDF(610K)
 - Aviation Software: Safety and Security
Abstract | Full Article (HTML) | PDF(7299K)
 - Electronic Warfare
Abstract | Full Article (HTML) | PDF(532K)
 - Helicopter Night Pilotage
Abstract | Full Article (HTML) | PDF(234K)
 - Jet Transport Maintenance
Abstract | Full Article (HTML) | PDF(343K)
 - Missile Control
Abstract | Full Article (HTML) | PDF(195K)
 - Missile Guidance
Abstract | Full Article (HTML) | PDF(462K)
 - Phased Array Antennas
Abstract | Full Article (HTML) | PDF(1593K)
 - Radar Altimetry
Abstract | Full Article (HTML) | PDF(1072K)
 - Radar Applications
Abstract | Full Article (HTML) | PDF(137K)
 - Radar Remote Sensing of Irregular Stratified Media
Abstract | Full Article (HTML) | PDF(641K)

Remarks

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Comparable Tools

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(http://www.enggcyclopedia.com/)
- [Enggpedia](http://www.enggpedia.com/)
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	<ul style="list-style-type: none">➤ Engineering and Technology History Wiki (http://ethw.org/Main_Page) ➤ New World Encyclopedia : Engineering (http://www.newworldencyclopedia.org/entry/Engineering) ➤ Encyclopedia of chemical engineering equipment (http://encyclopedia.che.engin.umich.edu/) ➤ DiracDelta.co.uk science and engineering encyclopedia (http://www.diracdelta.co.uk/) ➤ Online Britannica (https://www.britannica.com/technology/engineering)
<i>Date of Access</i>	August 26, 2016.