COMPENDEX

Also known as: *EI Compendex | Engineering Index*

Access via: *Engineering Village*

INTRODUCTION: Compendex is the most comprehensive bibliographic database of scientific and technical engineering research available, covering all engineering disciplines. It includes millions of bibliographic citations and abstracts from thousands of engineering journals and conference proceedings. When combined with the Engineering Index Backfile (1884-1969), Compendex covers well over 120 years of core engineering literature. Ei Compendex is the broadest and most complete engineering literature database available in the world. It provides a truly holistic and global view of peer reviewed and indexed publications with over 20 million records from 77 countries across 190 engineering disciplines. The name "Compendex" stands for COMPuterized ENgineering inDEX. As a result of computerization in 1967, the first electronic Engineering Index bulletin.

AUTHORITY - Ei Compendex is the world's most comprehensive engineering literature database. Ei Compendex is an engineering bibliographic database published by Elsevier. Elsevier purchased the parent company Engineering Information in 1998 andEngineering Index was renamed "Ei COMPENDEX. It indexes scientific literature pertaining to engineering materials. Beginning in 1884, it was compiled by hand under the original title of *Engineering Index*.

COVERAGE - Ei Compendex is the most comprehensive bibliographic engineering database, covering 190 disciplines from the world's significant engineering and technology literature. Coverage includes journals, conference proceedings, selected government reports and books. Subjects include: Civil,

Energy, Applied Physics, including Optics, Bioengineering and Biotechnology, Food Science and Technology, Materials Science, Instrumentation , including Medical Devices, Nanotechnology,Environmental, Geological, and Biological engineering; Electrical, Electronics, and Control engineering; Chemical, Mining, Metals, and Fuel engineering; Mechanical, Automotive, Nuclear, and Aerospace engineering; Computers, and Robotics.

DATE COVERAGE - 1884 - present (updated weekly)

CONTENT SOURCES OF COMPENDEX -

- 190 engineering disciplines
- 77 countries
- 2,200 publishers
- 3,615 journals
- 330 Open Access titles
- 116 trade magazines
- 95,790 conference proceedings
- 78 book series
- articles in press from 1,369 journals
- 119,273 dissertations
- all technical standards from IEEE with more standards from other organizations on the way

The Engineering Index is the publisher of:

- **The Bioengineering and Biotechnology Abstracts**
- **The Energy Abstracts**
- *EiCOMPENDEX Plus*-- COMPuterized ENgineering InDEX is the electronic database of *The Engineering Index* on CD-ROM or online via many different online commercial retrieval systems

INDEXES - Indexing is from 1969 - current. This is an indexing database, not full text. A Check@UPEI link will be available to connect you to our full text journals. Every record is carefully selected and indexed using the Engineering Index Thesaurus. Extensive bibliographic database of engineering research. Indexes journal papers and conference proceedings. The broad subject areas of engineering and applied science are comprehensively represented. Deeply indexed

content helps users retrieve precise results quickly. Ei Compendex is indexed specifically for engineers using the Engineering Index Thesaurus, making search results consistently accurate and relevant to engineering research.

Compendex currently indexes more than 4,000 journals and trade magazines, dozens of book series, thousands of conference proceedings, dissertations, theses and standards from AIAA, ASCE, ASTM, BSI, IEEE, and SAE. More than one million new records are added each year. Records are assigned terms and classification codes from the Engineering Index Thesaurus

SEARCH AND ACCESS – Compendex can be searched using the Engineering Village platform (external link) by Elsevier. Engineering Village also provides access to further databases. Technical publications from the years 1884 to 1969 can be searched using the Engineering Index Backfile (Ei Backfile). A thesaurus allows for subject-based searches. Sell copies of items printed or downloaded. Print or download entire electronic books or entire issues of journals. Distribute copies of any portions of this resource to anyone not affiliated with Princeton University. Sharing information with colleagues for scholarly, educational, or scientific research or professional use is permitted.

SEARCHING COMPENDEX ON CD-ROM -

- Use menus to navigate and search.
- You do not have to memorize command names and functions.
- You can search with keywords, subject headings; use Boolean operators as well as truncated search.
- Use Boolean operator OR to broaden your search; always use synonymous terms with the OR operator.

EI THESAURUS - Ei Thesaurus (1998) is the controlled vocabulary for searching Ei databases that are produced by the Elsevier Engineering Information Inc. To find controlled search terms, say, on natural language processing, see once again Ei Thesaurus. Trail the following steps:

1. Look up the phrase NATURAL LANGUAGE PROCESSING SYSTEMS in the **Index to Classification Codes**.

2. The **alphabetical section** of the Thesaurus lists NATURAL LANGUAGE PROCESSING SYSTEMS with the corresponding broad class code which covers Computer Software, Data Handling and Applications.

3. In the Subject Headings by **Classification Codes** section, the code is defined.

Ei COMPENDEX*Web covers journals, technical reports and hard-to-find conferences, and adds over 220,000 new abstracts each year. It closely corresponds to the printed *Engineering Index*. The interface is point-and-click making it easy for novice users. Searching in Compendex has been enhanced by Ei Theasurus, now available in English, German-English and Spanish-English. Another search guide is Publications In Engineering, updated annually, from tables of contents in world engineering literature.

Separate CD-ROM products from the EI include:

- **EiChemDisc**, 1980- . Quarterly updates; 1 million+ of records which include abstracts to articles in journals and conference proceedings in all chemical engineering sub disciplines.
- **EiEEDisc**, 1980- . Quarterly updates; 1 million+ records in all IEEE journals and conferences, ACM journals, IEE journals and colloquia, and SPIE proceedings and publications.
- **EiEnergy/Environment Disc**, 1980- .Quarterly updates; 700,000 records covering all important energy and environmental engineering sub disciplines.

Engineering Village

Engineering Village is an essential resource for students, researchers and faculty to stay up-to-date in their field, acquire knowledge in new areas, set up research proposals and write papers. It is the leading information discovery platform specifically designed by and for the engineering community. Engineering Village will integrate with Elsevier's new Identity Management System in mid-March 2020, which will improve users' sign-in, registration and remote access experience, as well as allow for Single-Sign-On across Elsevier products and services in the future.

Ei Compendex is indexed specifically for engineers using the Engineering Index Thesaurus, making search results consistently accurate and relevant to engineering research. Engineering Village's powerful search tools leverage Ei Compendex's

controlled vocabulary, making it quick and easy for users to refine their searches and gain insight from results.

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CONCLUSION- Every record is carefully selected and indexed using the Engineering Index Thesaurus to ensure discovery and retrieval of engineering-specific literature that engineering students and professionals can rely on. By using Ei Compendex, engineers can be confident information is relevant, complete, accurate and of high quality.

To get to COMPENDEX –

UBC Library homepage >>Databases>> COMPENDEX

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