Engineering Village

QUICK REFERENCE GUIDE

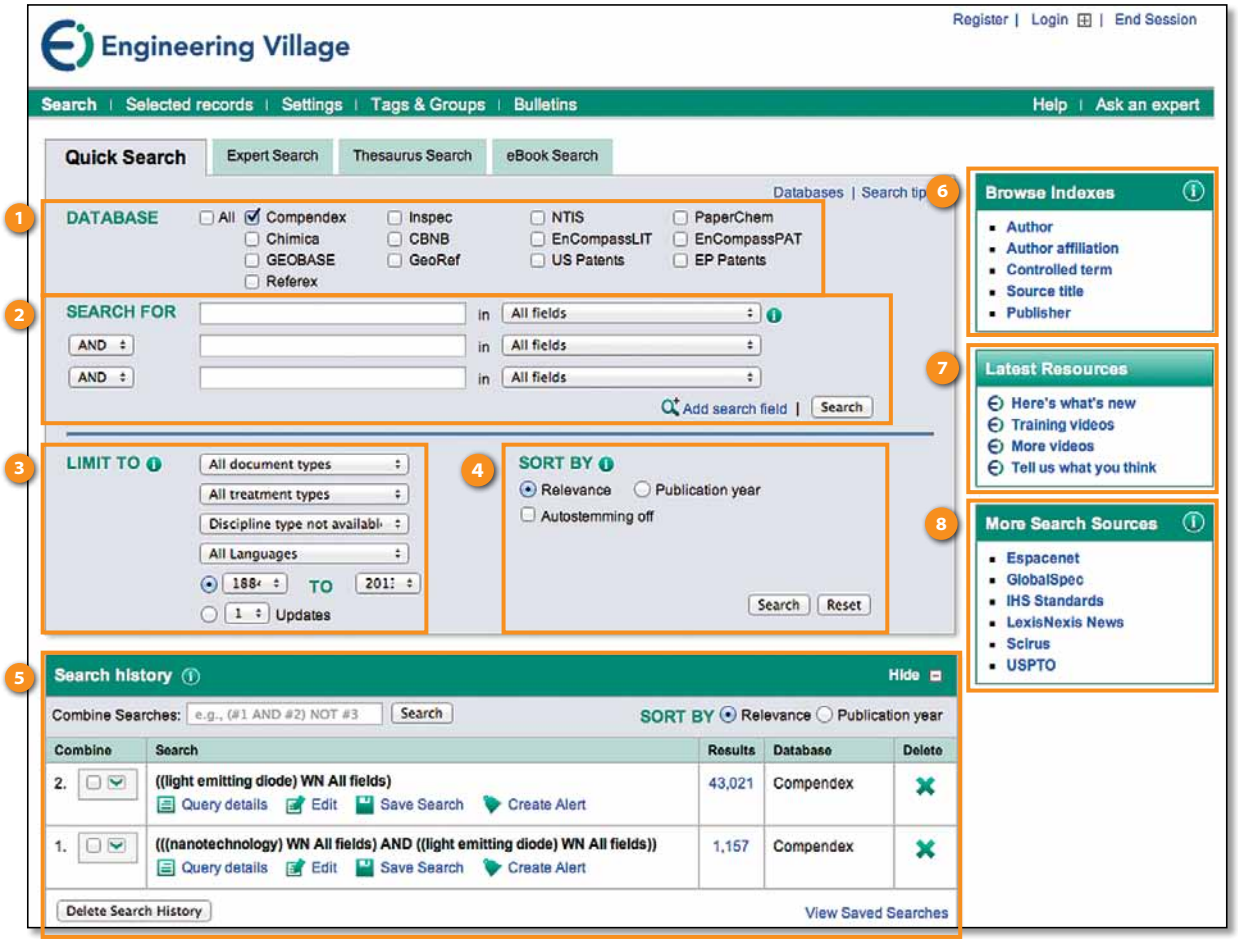
www.engineeringvillage.com

Engineering Village is a powerful search platform that allows researchers to search multiple databases focused on engineering literature. Content is indexed from a range of reliable sources: scholarly journals, conference proceedings, trade publications, patents, government reports and reference books.

This user guide provides an overview of the most frequently used Engineering Village search options.

Quick Search

The first page you see in Engineering Village is the 'Quick Search' page. This page is designed for quick, straightforward searches. The interface allows you to search on a variety of fields from drop-down menus.



1. **Databases:** You can select one or more databases to target your search. Only the databases to which your institution subscribes will be available.
2. **Search For:** Type in key words for your search. You can use AND, OR, and NOT operators from the drop-down menu. By default, three rows are provided in which you can enter search terms. Drop-downs allow you to specify the fields in which you want to search (Author, Author affiliation, Controlled term, Source title, etc.). In addition, you can click 'Add search field' to add more rows, up to a maximum of 12.
3. **Limit To:** Depending on the database selected, you can limit the search to certain types of documents (journal articles, proceedings), treatment types (applications), discipline type (Physics) and language.
4. **Sort By:** You can sort results according to relevance or publication year. The 'autostemming' function allows you to search for the term as entered, the root word, and other words formed with other possible suffixes. For example, if you enter the term "controllers", you get results for: controllers, control, controlling, controlled, controls. This allows you to retrieve as many relevant records as possible.
5. **Search history:** Engineering Village keeps a record of all searches conducted during your current session in the 'Search History' at the bottom of the home page. You can combine searches in order to cross-search, see the query details of each search, edit the search, set an email alert, or save the search for future use. Registration is needed to make use of this functionality.
6. **Browse indexes:** Depending on your selected database, browse indexes can be used to locate a specific author, publisher or a journal title. It allows you to search within the indexes to retrieve the most accurate terms for your search.
7. **Latest resources:** Links to additional training materials, videos, news and feedback links.
8. **More search sources:** Links to additional engineering sources available at your institute.

Search tips:

1. **Search phrase:** To search for an exact phrase, enclose terms within braces: {international space station} or quotation marks: "linear induction motors".
2. **Truncation (wildcards):** The truncation command (*) retrieves all the words that start with the same letters as the as the truncated term, up to the point that the truncation symbol is used. For example: 'Comput*' returns computer, computerized, computation, computational, computability, etc.
3. **Boolean operators:** The three textboxes allow you to combine terms using the Boolean operators AND, OR, and NOT.
   - To broaden a search, or to allow for variant spellings, combine terms using **OR** (results contain any specified term). Example: rapid transit **OR** light rail **OR** subways seatbelts **OR** seat belts.
   - To narrow the scope of a search, combine terms using **AND** (results contain all specified terms). Example: Prosthetics AND biocontrol.
   - To eliminate terms from a search, use the NOT operator. A search for mining might be done as: mines or mining NOT "data mining"
4. **Author Browse Index**

   Since author names may be cited in a variety of formats, use of the Author Browse Index (available for multiple databases) is highly recommended. For example, Rigby, Alan A. or Rigby, A.A. Author names are cited as they appear in the original document. Surnames appear first, usually followed by a comma and the remainder of the name as it appears in the original document.

   Author names can be truncated by using an asterisk (*) as the truncation symbol: Example Smith, A* retrieves Smith, A., Smith A.A., Smith A.B., Smith, A. Brandon etc.

Results page

1. **Articles found:** The number of search results is displayed at the top of the page
2. **Other Options:** Start a new search, edit a search, save a search for later use, create a search alert where you will be notified by email when a new paper on this topic is published (Login required) and create a RSS feed. You can also view your search history for a session.
3. **Refine results:** After you perform an initial search, a list of facets (categories) appears in the left pane of the search results page. These facets include Database, Author, Author affiliation, Controlled vocabulary, Classification code, Country, Document type, Language, Year and Publisher. You can arrange the order of the facets by clicking and dragging to the desired location. This allows you, for example, to place the facets most often used at the top of the 'refine results' pane. Note: Your facets remain in the new order as long as you are logged in to Engineering Village.
4. **Limit to/Exclude:** Click the **Limit** to button so your search results include only the items you selected from the facets, or click the **Exclude** button so selected items from the facets are excluded from your results. Then click **search** at the bottom of the refine results menu.
5. **Add a term:** Use it in any of the following ways:
   - Enter a term and click **Limit** to to search within your current results for just that term.
   - Enter a term and click **Exclude** to exclude the term from your current results.
   - Enter a term, select one or more items from the **facets**, and click **Limit** to or **Exclude**.
6. **Select:** Select up to 500 records at once and view the selected record count from the search results page.
7. Click **'Selected Records'** to view the records you have selected. The selected records page appears, where you can view your records in the format you specified (Citation, Abstract or Detailed records). You can view this page anytime by clicking on the 'selected records' tab in the top navigation bar.
8. **Managing Results:** On the results page, you can select one or multiple results to perform the following actions: Email, Print, Download (export to bibliographic management tool such as EndNote or RefWorks), Save to Folder.

   Tips for downloading EV content:
   You can download records in RIS, RefWorks, BibTex, or ASCII text format. (RIS is compatible with EndNote, ProCite, and Reference Manager). You must have one of these products installed on your computer in order to import records to that utility:
   - Select document records you want to download.
   - Click Download above the search results. The Download Selected Records window appears.
   - Select a format in which you want the documents to be downloaded.
   - Click Download.
9. **Abstract/Detailed:** View the abstract and detailed abstract page
10. **Cited-by in Scopus:** The Cited by count appears in search results near each Compendex and Inspec article that contains one or more citations within the abstract and indexing database Scopus*. The cited-by information is also available on the abstract page in the 'Tools in Scopus' menu.
11. **Full Text:** A full text button will be displayed in the results, provided your institution carries an electronic subscription to the item.
12. **Sort-by:** Results can be sorted by Date (by Oldest or Newest), Relevance, Author (A-Z and Z-A), Source (A-Z and Z-A), or Publisher (A-Z and Z-A).

***Scopus is the abstract and citation database from Elsevier. It includes citations and abstracts from more than 5,000 publishers and more than 19,500 publications. For more information, www.info.scopus.com.**

Abstract and Detailed records

1. The **Abstract page** provides many types of information about a document, including author affiliation(s), main headings in the document, uncontrolled terms, and classification codes.
2. The **Detailed page** provides additional information such as ISSN and country of publication.
3. Various operations are possible for processing this paper: Download the full text article (if available at your institute), Blog this (Displays the URL of this article for blogging), E-mail, Print, Download the Bibliographic information, Save Abstract to Your Personal Folder (Login required).
4. Tools in Scopus: The 'Tools in Scopus' box contains: **Cited by** and **Author details**. Two of the latest articles citing this article will be displayed. Subscribers to Scopus can click-through to Scopus to see the full articles. Non-subscribers to Scopus can view all articles on the Scopus Preview page with limited functionality. From 'Tools in Scopus' there are three options:
   - View a Scopus citation directly from search results
   - View a Scopus citation via the Abstract and Detailed view
   - View author details

The cited-by link will only appear if the document has been cited by other documents in Scopus. The 'author details' links will consistently appear for each of the author names in the abstract.

Expert Search

Expert Search provides power and flexibility by incorporating advanced Boolean logic and including more search options than Quick Search. A single search box is provided in Expert Search.

To perform an Expert Search, select one or more databases you would like to search. Then construct your search using Boolean operators from the 'Search Codes' overview at the bottom of the page.

To execute a search within a specific field, use the "within" command, WN, and a field code. Field codes for each database appear in the **Search Codes** section at the bottom of the Expert Search tab. Connect your search terms using the operators (**AND**, **OR**, or **NOT**).

Example: "overload" wn AB or (seatbelt* or (seat belt*)) wn TI

AB= Abstract, **TI=** Title

Example: space stations wn CV and diodes wn AB

CV= Controlled Vocabulary

Thesaurus Search

The thesauri on Engineering Village comprise the controlled vocabulary used to index articles in the Compendex, Inspec, GEOBASE or GeoRef databases. Controlled vocabulary is used to standardize the way the articles are indexed, enabling consistent and precise search and retrieval. Each thesaurus is organized hierarchically, with words and synonyms arranged in relation to each other, whether as broader, narrower, equivalent, or related concepts.

When you are using the **Thesaurus Search**, only the database(s) to which your institution subscribes is/are displayed. Only one database can be searched at a time when in Thesaurus Search.

The Thesaurus search function helps you to:

- Identify controlled vocabulary terms
- Find synonyms and related terms
- Improve your search strategy with suggested and narrower terms

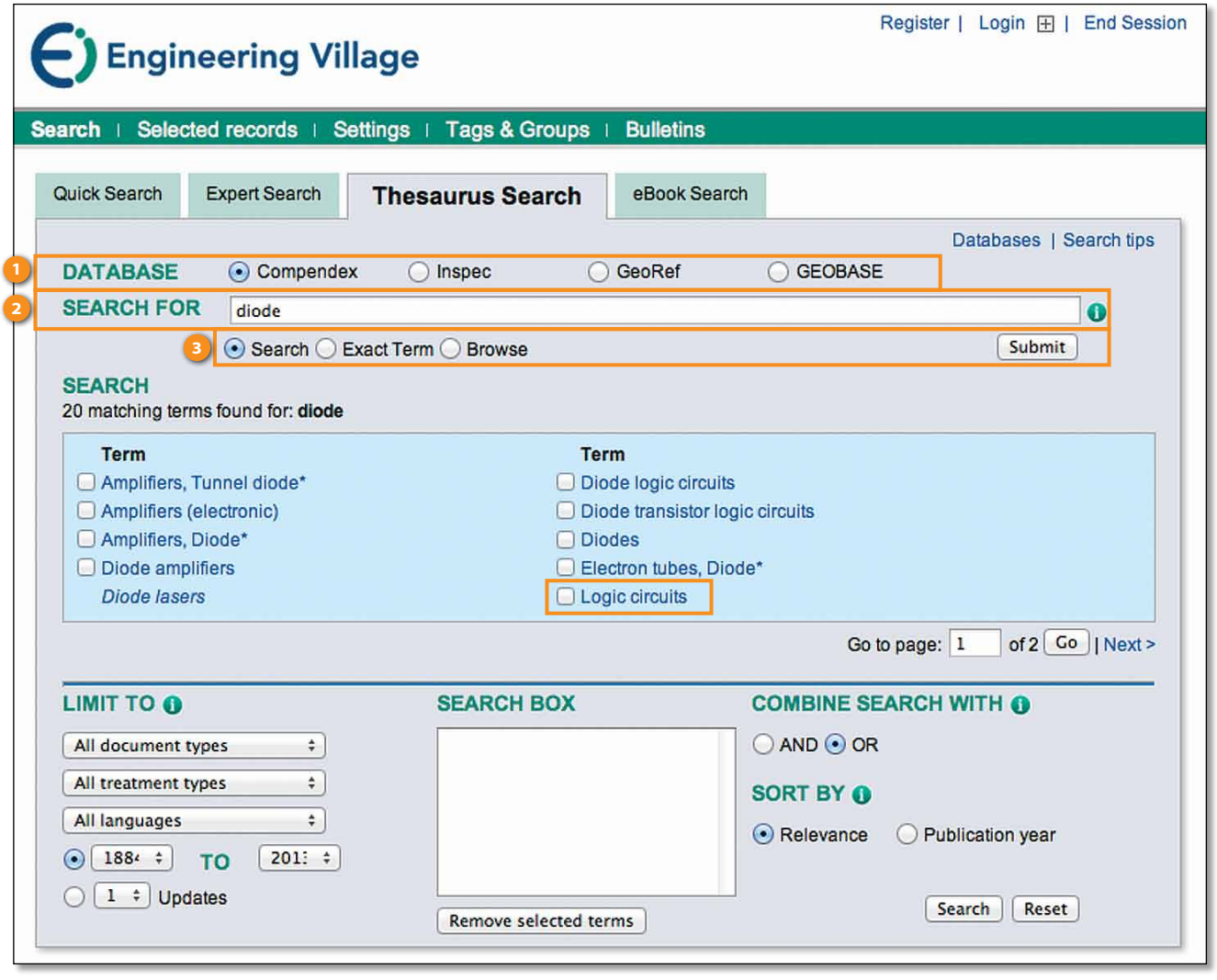
To perform a thesaurus search:

1. On the Thesaurus Search page, select the database you would like to search.
2. Type a term in the search box.
3. Click either Search, Exact Term or Browse, then click submit.

The window now shows you the matching terms found for the search term 'diode'. You can now do a new precise search, selecting one or more of these thesaurus terms. When you click the check box of a term, it appears in the Search Box in the lower portion of the page. Click on search and you will get search results for this term.

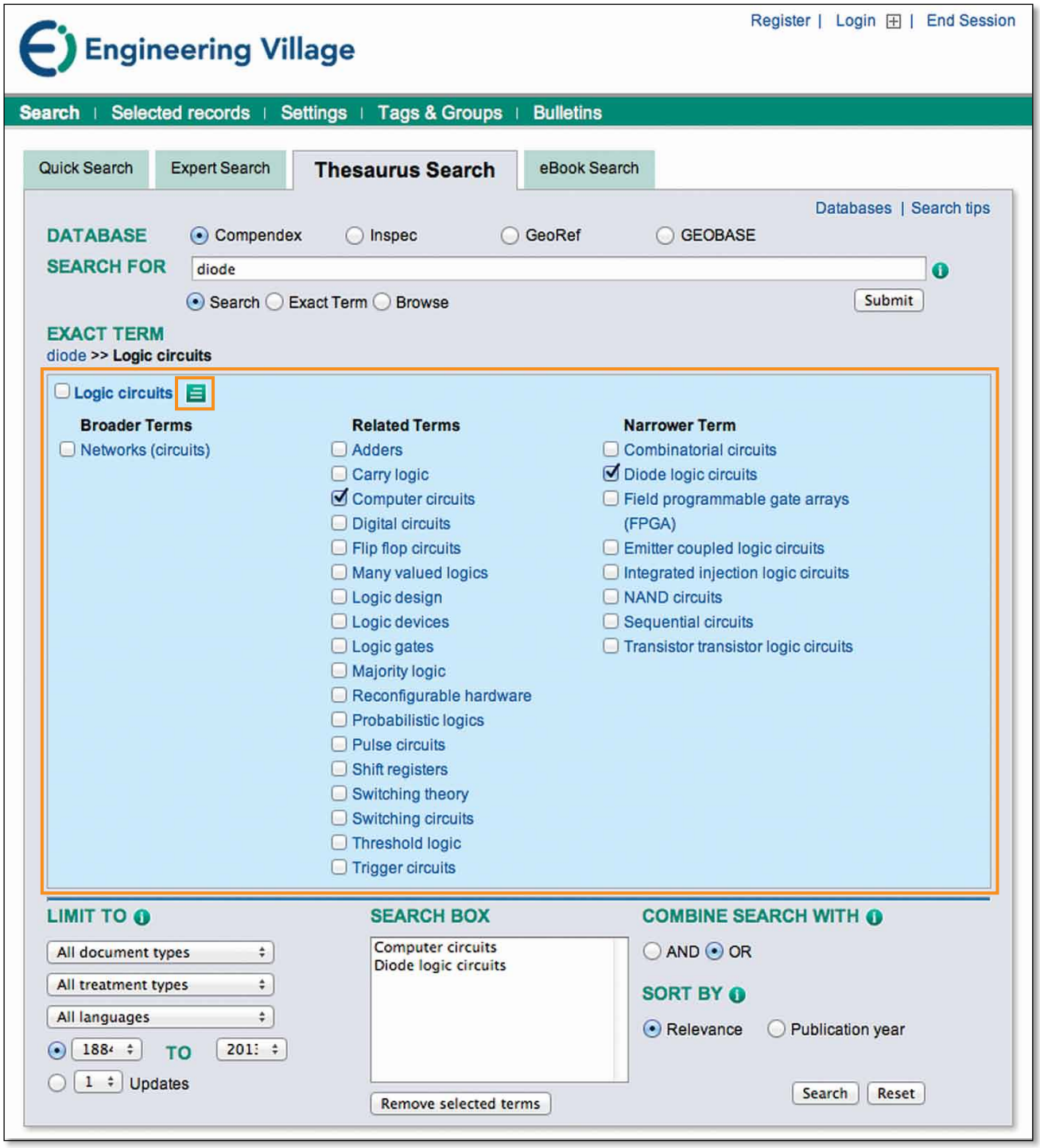
You can even make your search more precise by using the Thesaurus controlled vocabulary. Click a term to view its thesaurus entry, which will yield additional related, broader, and narrower terms.

Example: search on 'diode' will give back terms including the term 'logic circuits':



Click on a term and you will now get to see the following thesaurus terms:

- Exact term (in this case 'logical circuits'). Use the checkbox to select to term. Click the icon to find more term information such as classification code.
- Broader Terms
- Related Terms
- Narrower Terms



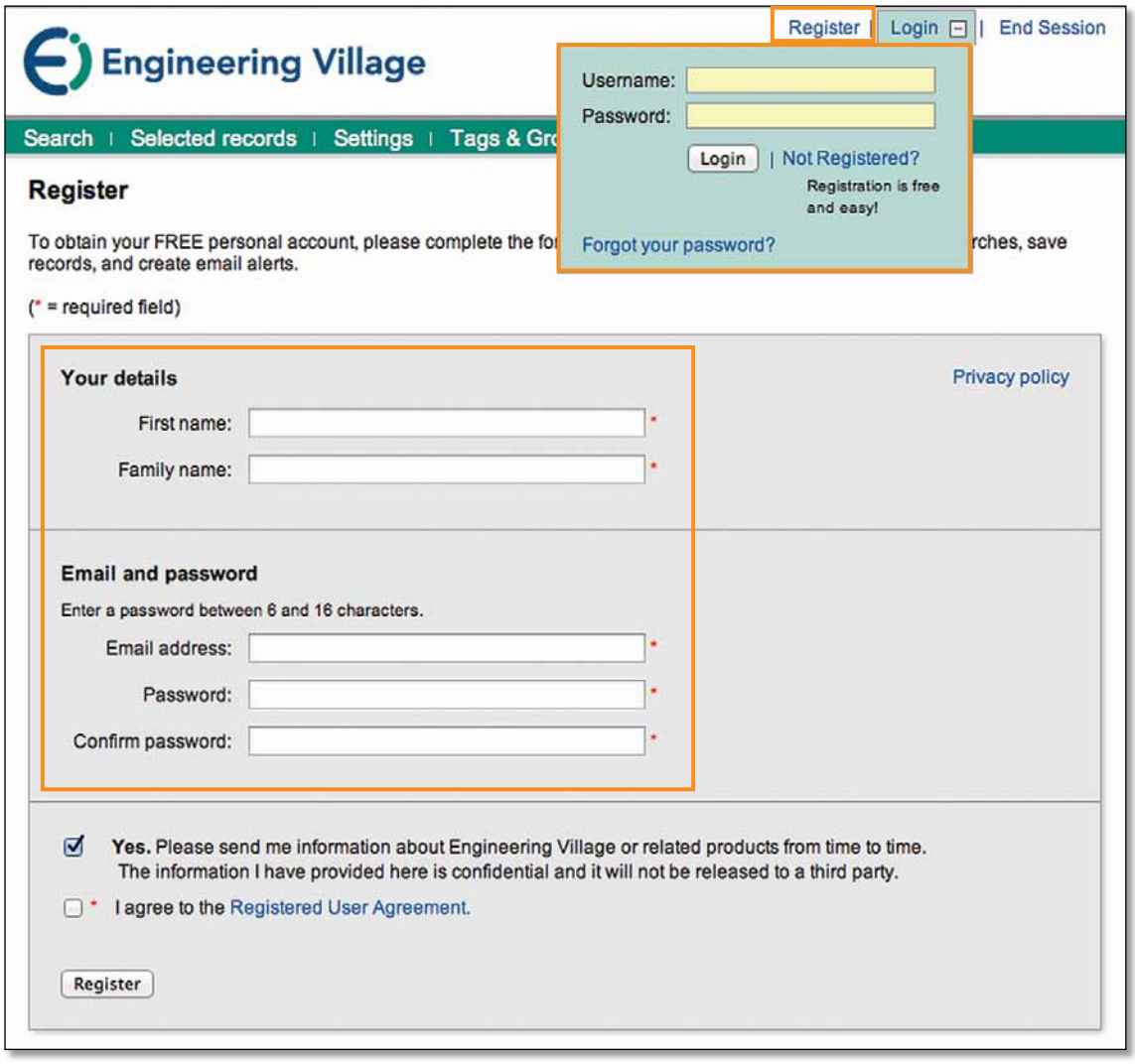
If you wish to do a comprehensive search on a subject, it may be beneficial to explore all likely paths, using one or more of these terms. Click the check box of a term, click on search again and you will get new, precise search results based on this controlled vocabulary term.

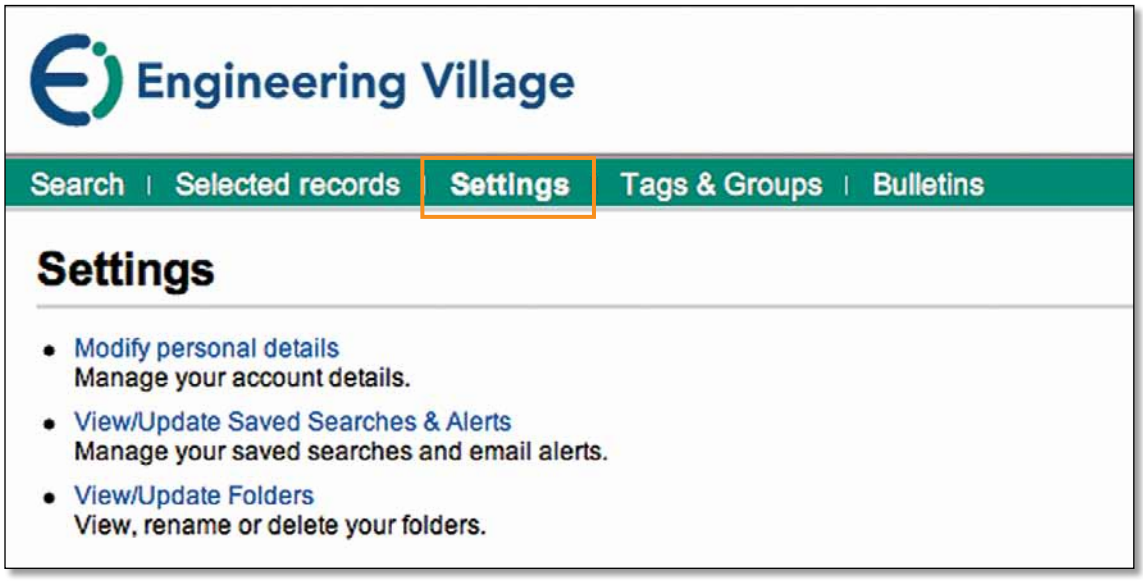
Register and create your personal account

Registration gives you greater control over your searches in Engineering Village. With a personal account, you can save records and searches and receive weekly email alerts. Email alerts are sent after the weekly database update so that the alert contains any new records matching your saved query.

Click 'Register' at the top of the page. You will receive a notification that your account has been created, including a username.

The information you enter is stored in your profile. To edit your profile, click 'Settings' in the top navigation to get to see your profile.





You now have the option to modify personal details, change your password and update saved searches.

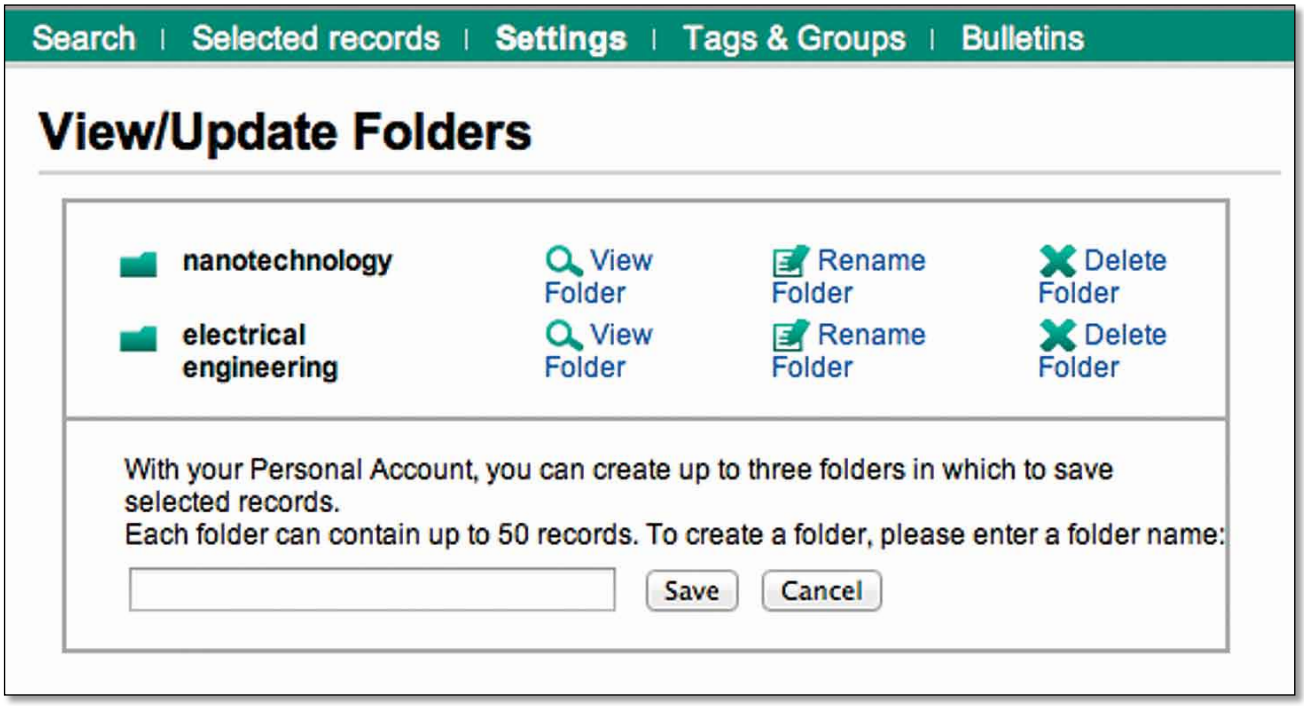
View/update saved searches & alerts

You can add a save search from the Engineering Village results page. To delete an individual search, click Delete in the row of the saved search. To delete all saved searches, click 'Delete All' at the bottom of the 'My Saved Searches' box.

You can easily create an email alert from the results page and later delete this alert or multiple alerts you created previously.

View/update folders

Click on the folder. You now have the options to remove a record from the folder. Click 'Remove All' to remove all records from the folder. You can email, print, or download records from the folders, as desired. Each folder can contain up to 50 records.



Help

Throughout Engineering Village, online Help is available for the various tasks you may perform. On the navigation bar, click 'Help' for instructions or information related to the page you are viewing.

Small icons near functions also provide helpful information when you click them. This Help functionality is context-sensitive and will always show the most relevant Help tips first.

You can find additional sources on www.ei.org and on the Elsevier Training Desk: www.trainingdesk.elsevier.com.

Databases available on Engineering Village

Compendex
Compendex is the most authoritative database of abstracted and indexed literature in engineering and the applied physical sciences. Abstracts of articles covering 190 engineering disciplines are indexed using the Engineering Index (Ei)Thesaurus. Compendex covers peer-reviewed journals and many conference proceedings, including proceedings from leading engineering societies and publishers. Compendex covers publications from 1970 onwards.

Engineering Index (Ei) Backfile
The Engineering Index Backfile provides a comprehensive, historical view of engineering developments and innovations from 1884-1969. 1.7 million records have been digitized from the original Engineering Index print indexes. The combined searching capability of Compendex and the Ei Backfile offers the most comprehensive resource for engineering available anywhere and span a period of over 128 years.

Inspec & Inspec Archive
Inspec is an abstracting and indexing database for physics, electrical engineering, electronics, computer science, mechanical, production and manufacturing information, produced by the Institution of Engineering and Technology (IET). Records are indexed according to the Inspec Thesaurus. Inspec covers publications from 1969 onwards; Inspec archive covers publications from 1898 to 1968.

GEOBASE
GEOBASE is a multidisciplinary database of indexed research literature on the earth sciences and other subject areas like ecology, geology and environmental sciences. The database covers thousands of peer-reviewed journals, trade publications and book series. Records are indexed according to the GEOBASE Thesaurus.

GeoRef
GeoRef, published by the American Geosciences Institute (AGI), contains abstract records from geoscience journals, books, maps and conference papers. Records are indexed according to the GeoRef Thesaurus.

EnCompassLIT & PAT

EnCompassLIT & EnCompassPAT are the premiere sources for scientific literature and patent abstracts covering the downstream petroleum, petrochemical, and natural gas industries. Abstracts are indexed according to the EnCompass Thesaurus.

Chimica & CBNB
Chemical Business NewsBase (CBNB) covers corporate financial and business news, R&D developments, economic trends, and legislative changes. Chimica contains literature abstracts from the influential international chemistry journals.

Referex
Is the fully searchable engineering reference database of e-books from Elsevier and other publishers. Users can find targeted information including engineering handbooks, professional references, how-to, and practice guides.

PaperChem
PaperChem is one of the pulp and paper industry's most important resources for news and information. It covers targeted literature and reports in 15 subject areas.

The National Technical information Service (NTIS)
This database is the premier source of unclassified reports from over 240 US and international government agencies.

For a detailed description of each of these products visit www.ei.org/products

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