

HOW-TO-USE IEEE

SECTIONS

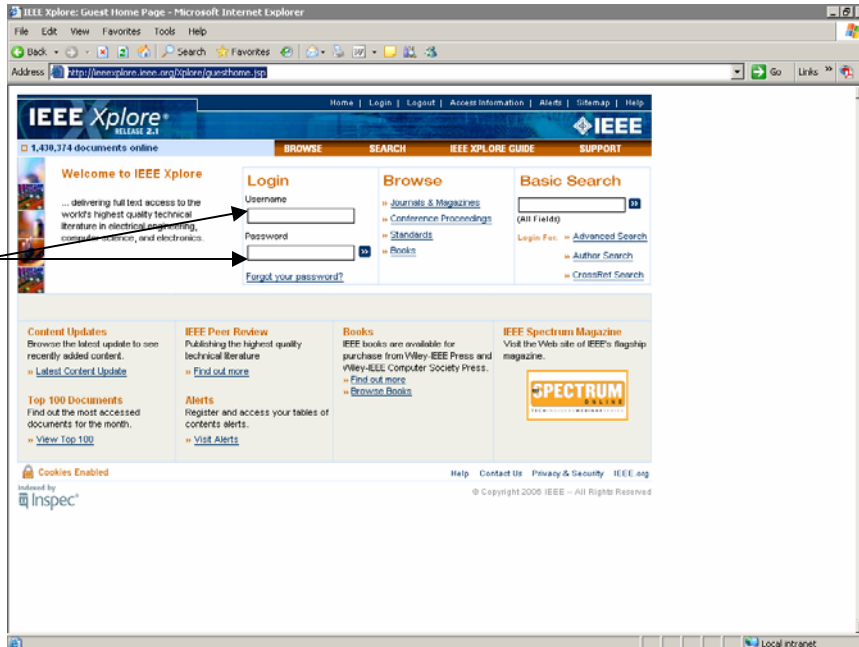
1. Logging In
2. Searching
 - a. Basic Searching
 - b. Advanced Searching
 - (1) Option 1
 - (2) Option 2
3. Working With Search Results
4. Search History

NOTE: Any services that require additional fee, speak with a manager for authorization. These services may already be available to Landon-IP through other subscriptions or vendors.

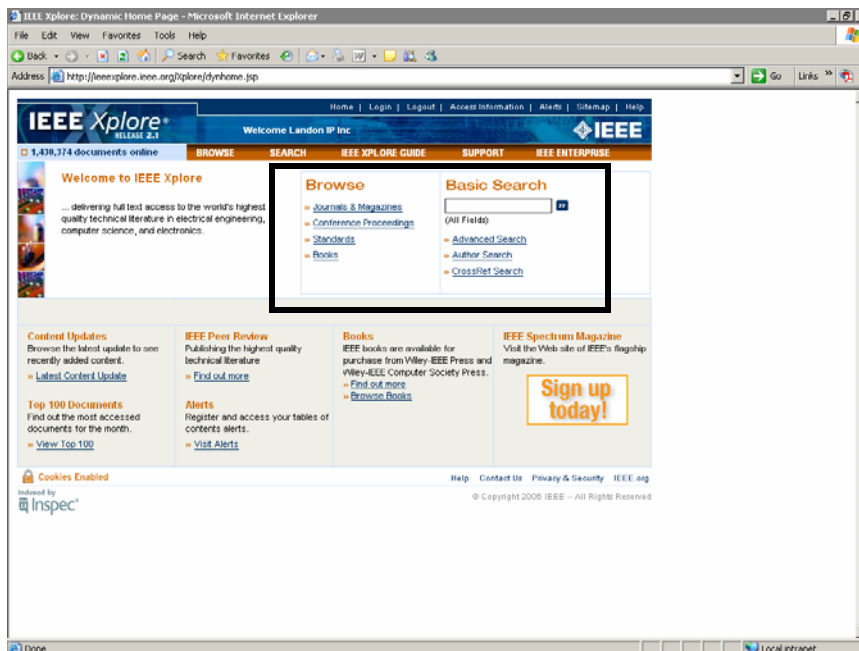
1. Logging In

- a. Go to: <http://www.ieee.org/ieeexplore>
- b. You will see the following screen:

Enter
User Name
And
Password



- c. Enter the user name and password. After logging in, the search interface screen will appear:



2. Searching

----- From IEEE -----

Summary of Search Operators

Search operators are elements that express relationships between search terms or search expressions, or that otherwise modify a query. In structured advanced searching, you can use the logical operators **And**, **Or**, and **Not**. In free-form advanced searching, you can use any of the following operators.

Operator	Syntax	Find Results that...
<and>	x <and> y	Match both expressions x and y
<or>	x <or> y	Match either expression x or y or both
<not>	<not> x	Do <i>not</i> match expression x
	x <not> y	Match expression x but <i>not</i> y
<in>	x <in> y	Match expression x in field y .
<paragraph>	x <paragraph> y	Match expressions x and y in same paragraph
<sentence>	x <sentence> y	Match expressions x and y in same sentence.
<phrase>	x <phrase> y	Match expressions x and y in same phrase.
<near>	x <near/y> z	Match expression x within y words of expression z .
<many>	<many> x	Match expression x , with results listed in score order based on density of x .
<order>	<order> x	Match order of terms in expression x .
<thesaurus>	<thesaurus> x	Match synonyms of x as well as x itself.
<wildcard>	<wildcard> `x`	Match variations or patterns. `[xy]` Match any letter x or y . `[^xy]` Match any letter <i>but</i> x or y . `{ab,xy}` Match string ab or xy .
<stem>	<stem> x	Match stem variations of x ; don't score results.
<word>	<word> x	Match x exactly.

Search for An Exact Word Or Phrase

To search for an exact match, enter the search word or phrase in quotation marks. For example, if you enter the following search word:

"cable"

IEEE *Xplore* looks for matches in any record containing the exact word *cable* in any field. It does not look for *cables*, *cabled*, or *cabling*.

Notes:

- If the text contains punctuation, replace each punctuation mark with a space.
- You cannot use the wildcard characters ? and * within the quotation marks.

- IEEE *Xplore* matches the text you enter only if the record contains that text as a whole word or series of whole words. It does not match text within a word. (To match text within a word, use wildcard characters outside the quotation marks.)

a. Basic Searching

----- From IEEE -----

Basic searching enables you to search the database for one or more keywords in any field. Use advanced searching if you want to narrow your search by field, collection, or date, or if you want to combine keywords in specific ways.

To Perform A Basic Search

1. On the IEEE *Xplore* Home page, enter one or more keywords in the Basic Search box:


Basic Search

broadband wireless access >>

2. Click >>.

If IEEE *Xplore* asks you to log in: Enter your username and password. See Do I Need To Log In? if you need more information.

IEEE *Xplore* looks for matches in any of the following fields: document title, publication title, author, Abstract, index terms, and affiliation. It displays a list of results matching your keyword(s).

3. You can view a detailed Abstract by clicking [AbstractPlus](#).
4. For articles in publications to which you subscribe, you can view full text by clicking [PDF](#).
The Subscriber icon  indicates articles where you have access to full text.
5. You can view multiple pages of results by using the result-range links, such as [26-50](#).

For articles in publications to which you do not subscribe:

- IEEE Members: You can access full text by filing the documents in your IEEE Member Digital Library File Cabinet (if you subscribe) or by purchasing the documents.
- If you belong to a subscribing institution: You can access full text by filing the documents in your institution's IEEE Enterprise File Cabinet (if your institution subscribes) or by purchasing the documents.
- Other guests: You can access full text by purchasing the documents.

6. You can view books that match your search criteria by selecting titles in the Book Top Results list. You can also click on the View All Results link below the list to see all books matching your criteria.


b. Advanced Searching

----- From IEEE -----

Using Advanced Search

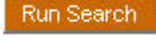

Use advanced search if you want to narrow your search by field, collection, or date, or if you want to combine keywords in specific ways. Advanced Search is available to IEEE members and subscribers.

To Perform an Advanced Search

1. Hover on or click  in the navigation menu bar. Then select Advanced.

If IEEE *Xplore* asks you to log in: Enter your username and password. See Do I Need To Log In? if you need more information.

IEEE *Xplore* displays the Advanced Search page.

2. Enter your search query using either the structured search (Option 1) or the free-form search (Option 2). When you click , IEEE *Xplore* displays the results of your search.
3. You can view a detailed Abstract by clicking [AbstractPlus](#).
4. For articles in publications to which you subscribe, you can view full text by clicking [PDF](#).
The Subscriber icon  indicates articles where you have access to full text.
5. You can view multiple pages of results by using the result-range links, such as [26-50](#).

For articles in publications to which you do not subscribe:

- IEEE Members: You can access full text by filing the documents in your IEEE Member Digital Library File Cabinet (if you subscribe) or by purchasing the documents.
 - If you belong to a subscribing institution: You can access full text by filing the documents in your institution's IEEE Enterprise File Cabinet (if your institution subscribes) or by purchasing the documents.
 - Other guests: You can access full text by purchasing the documents.
6. You can view books that match your search criteria by selecting titles in the Book Top Results list. You can also click on the View All Results link below the list to see all books matching your criteria.

Option 1

The Advanced Search page provides a structured way for you to perform a more complex search. The following procedure assumes you have clicked **SEARCH** in the navigation menu bar and selected Advanced.

1. In the Option 1 area, click in the first text box and enter a keyword. The keyword can be a subject term, last name, date, or phrase. If you are unsure of the spelling, you may enter a partial word or name. You may also use wildcards.

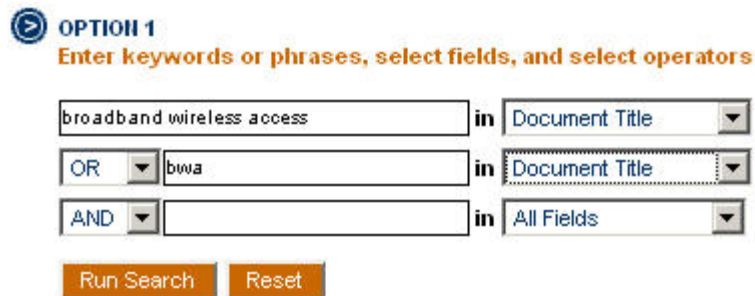
IEEE *Xplore* searches for items regardless of capitalization. See Entering Search Keywords for additional rules governing entry of search keywords.

2. Limit your search by selecting a choice in the field list next to the text box.



IEEE *Xplore* looks for the search string in all fields unless you select a choice from this list.

3. To include additional words or phrases in the search query, enter search text and select field codes for the other search query boxes as necessary. Define the relationship between the query boxes by selecting search operators from the pull-down menus between the text boxes. For example:




The search operators available in the pull-down menus are:

AND: Searches for records that meet the two conditions it joins.

OR: Searches for records that meet either or both of the two conditions it joins.

NOT: Searches for records that do *not* meet the specified condition.

4. Limit your search results by adjusting the search options. You can:
 - Select publication types
 - Select years to search
 - Organize the format of search results
5. Click **Run Search**. IEEE *Xplore* looks through the citation records and presents a list of results matching your query. The Subscriber icon  indicates articles where you have access to full text.

Note: If you selected options in Other Resources (such as Books), IEEE *Xplore* also searches those resource titles for matching results.

6. If more titles containing the keyword exist than appear on the first page, click the result-range links, such as [26-50](#), to view more pages of titles.

Option 2

The **Advanced Search** page enables you to enter a free-form search query. In free-form advanced search, you can specify and perform more complex searches than you can using structured advanced search. You can join more than four search terms, use other operators in addition to **And** and **Or**, and exert more control over the order in which to evaluate expressions.

The following procedure assumes you have clicked **SEARCH** in the navigation menu bar and selected **Advanced**.

1. In the Option 2 area, click in the text box and enter a keyword. The keyword can be a subject term, last name, date, or phrase. If you are unsure of the spelling, you may enter a partial word or name. You may also use wildcards.

IEEE *Xplore* searches for items regardless of capitalization. See Entering Search Keywords for additional rules governing entry of search keywords.

2. Limit your search by specifying which field to search in, using the **<in> operator** and a field code as shown in the following syntax:

keyword <in> fieldcode

where **keyword** is your search keyword or phrase and **fieldcode** is a field abbreviation listed in the summary of field codes.

IEEE *Xplore* looks for the keyword in all fields unless you limit the search to specific fields.

3. Combine multiple search expressions as needed. Use operators to define the relationship between search expressions, using the following syntax:

search_expression <operator> search_expression

where **search_expression** is a search string and an optional field specification, and **<operator>** is an operator listed in the summary of search operators.

For example, the following search expression looks for either the phrase **broadband wireless access** or the abbreviation **bwa** in document titles:



OPTION 2

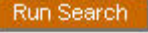

Enter keywords, phrases, or a Boolean expression

```
{broadband wireless access<in>ti} <or>
{bwa<in>ti}
```

Run Search

Reset

4. Limit your search results by adjusting the search options. You can:

- Select publication types
 - Select years to search
 - Organize the format of search results
5. Click . IEEE *Xplore* looks through the citation records and presents a list of results matching your query. The Subscriber icon  indicates articles where you have access to full text.
 6. If more titles containing the keyword exist than appear on the first page, click the result-range links, such as [26-50](#), to view more pages of titles.

3. Working With Search Results

----- From IEEE -----

The Search Results page lists descriptions of documents that meet your search criteria. This page appears following a search using Basic Search, Advanced Search, Author Search, or Searching within a Publication.

The top of the Search Results page provides a search results summary. For example:

Results for "**wireless standards <in> (ti,jn,au,ab,cs)**"
 Your search matched **93** of **1013592** documents.
 A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

Order of search results: Search results are organized by relevance in descending order with 25 results per page. Users who log in can change these settings on the Advanced Search page under **Organize results**.

Format of search results: The Citation display format includes the document title, author(s)/editor(s); the publication title; volume, issue, and part information; the Digital Object Identifier (DOI); and page numbers. Users who log in can select Citation & Abstract under **Display Format**, which displays 30 to 40 words of the document Abstract with each result.




Full-text access: The Subscriber icon  indicates documents where you have access to full text.

Collection descriptor: The last line of each result identifies the publisher of the document (IEEE or IEE), tells you whether a document appears in a journal (JNL), conference proceeding (CNF), or standard (STD), and provides choices for viewing the document content.

Other Resources: This area lists results, such as books. Full text exists outside the IEEE *Xplore* database, but you can initiate purchase through IEEE *Xplore*.

From the Search Results page, you can:

All Visitors

- Print the search results. Use the  printer friendly button to display just the search results for printing.
- Email the search results. Use the  e-mail button to open a separate Email an IEEE *Xplore* Page window. Fill in the fields and click .
- View multiple pages of results by using the result-range links, such as [26-50](#).

- View the Abstract of a specific article by clicking the [Abstract](#) link.
- View just the books matching your search criteria by clicking on the View All Results link below the Top Book Results in the Other Resources area.
- For articles to which you do not have access:
 IEEE Members: You can access full text by filing the documents in your IEEE Member Digital Library File Cabinet (if you subscribe) or by purchasing the documents.
 If you belong to a subscribing institution: You can access full text by filing the documents in your institution's IEEE Enterprise File Cabinet (if your institution subscribes) or by purchasing the documents.
 Other guests: You can access full text by purchasing the documents.

Institutional Subscribers and IEEE Members (login or access authentication required):

- View more detail for all results by choosing Citation & Abstract under Display Format.
- Select specific results to view on a separate page by clicking the checkbox (☑) before items and then clicking [View Selected Items](#). The View Selected Items page appears, listing your selected search results in the Citation & Abstract format.
- If you have full-text access to all results on the page, the Download Citations choice appears. You can download citations for all items on the page.
- View the extended Abstract record for a document by clicking [AbstractPlus](#).
- Revise your search specification to generate broader or narrower results using the Modify Search query box.
- View a list of previous searches conducted during the current login session by clicking [View Session History](#). You can use this list to repeat a search.
- Start a new search by clicking [New Search](#).

Subscribers to the Publication:

- View the list of references contained in a document by clicking [References](#). The list of references opens in a separate page.
- View the full text of a document to which you or your institution subscribes by clicking [PDF](#). If IEEE does not hold copyright to the document or the document is not available in IEEE *Explore*, instead of this link you will see [Buy Via Ask*IEEE](#), which you can click to purchase the document.

4. Search History

----- **From IEEE** -----

Your session history lists the search queries you have used since you last logged in to IEEE *Xplore*. You can reuse or modify these search queries. Session history is erased when you log off or your session times out.

To reuse a search query from earlier in your session:

1. Hover on or click **SEARCH** in the navigation menu bar. Then select **Session History**. (On the **Search Results** page, you can also click [View Session History](#).)

Note: If you are asked to log in at this point, your session history will be empty.

IEEE *Xplore* displays the **Search Session History** page, listing search queries you entered earlier in the session. For example:

Search Query Display

Run Search

Reset

Recent Search Queries

Results

#1	(mimo<in>ti) <and> (ofdm<in>ab)	67
#2	(broadband wireless access<in>ti) <or> (bwa<in>ti)	94

Clear Session History

2. Click the number of the search query you want to reuse. The query appears in the **Search Query Display** box.
3. (Optional) Modify the query as needed in the **Search Query Display** box.
4. Click **Run Search**. IEEE *Xplore* runs the search and displays the results page.

The Subscriber icon  indicates articles where you have access to full text.
