

IEEE *Xplore* 2.0 User Guide

Overview

Table of Contents

OVERVIEW	1
Welcome to IEEE Xplore	1
Collections in the IEEE Xplore Database	1
Record Structure of the IEEE Xplore Database.....	2
Subscription Packages	2
Setting Up an IEEE Member Digital Library Account (IEEE Members).....	3
Browse and Search Functions	4
Content Updates	4
Alerts	5
Top 100 Documents.....	5

Copyright © 2005. The Institute of Electrical and Electronics Engineers, Inc. Company and/or product names used herein are trademarks of their respective owners.

Overview

Welcome to IEEE *Xplore*

IEEE *Xplore* is a powerful resource for accessing publications from the Institute of Electrical and Electronics Engineers (IEEE) and the Institution of Electrical Engineers (IEE). The IEEE *Xplore* database contains more than a million articles in over 12,000 individual publications. IEEE adds about 25,000 new pages to the database per month, which builds upon a back file of content published since 1988 plus select content back to 1952.

IEEE *Xplore* provides convenient, real-time access to this continually updated database. You can search the database by specifying one or more authors, index terms, and other criteria. Once located, you can view and print individual articles and papers, search results lists, tables of contents, bibliographic records, and full-page images with no limit on the number of prints.

Through the CrossRef Search feature, IEEE *Xplore* also provides access to documents published by other leading publishers.


Collections in the IEEE *Xplore* Database

The IEEE *Xplore* database contains the following IEEE and IEE publication collections:

- **Journals, transactions, and magazines** published by the IEEE, dating from January 1988, with select content back to 1952.
- **Conference proceedings** published by the IEEE, dating from January 1988, with select content back to 1953.
- **IEEE Standards**, including superseded standards but not draft standards, dating from January 1988.
- **IEE journals, letters, magazines, and conference proceeding** from 1988.

All visitors can browse tables of contents and Abstracts in the IEEE *Xplore* database. Through subscription, IEEE Members and institutions have access to more detailed Abstracts and full-text content in the IEEE *Xplore* database. Purchase of articles is available to all visitors.

To see the publications to which you have access, click **Access Information** in the top toolbar.

In search results, the Subscriber icon  indicates articles where you have access to full text.

Record Structure of the IEEE *Xplore* Database

The IEEE *Xplore* database merges a subset of the INSPEC bibliographic database of Abstracts, compiled from technical journals published worldwide, with full-page images of all publications and HTML versions of some publications. To locate articles, you can use IEEE *Xplore* to search complete Abstract records using the following functions:

- **Basic and Advanced search options** to search through Abstracts and article text.
- **Author search** by last name and initials.
- **Index terms** that you can click to search the database for documents containing the term.
- **References** link to view a list of the article's referenced documents with links to view the Abstract, full-text PDF, Buy via Ask*IEEE, or CrossRef.
- **"Citing Documents"** link to view documents that cite the current document.
- **Author name links** to search for other documents written by that author.
- **CrossRef Search** to search through publications by other leading publishers participating in the CrossRef system.

The IEEE *Xplore* database contains complete original page images, including all charts, graphs, diagrams, photographs, and illustrative material, from an integrated-circuit schematic to a topographic map to a photograph of a new crystalline structure. All articles, papers, and standards are in PDF format so you see them as published.

In addition, the IEEE *Xplore* database contains HTML-formatted versions of *Proceedings of the IEEE* and *IEEE Spectrum* starting from 2002.

Subscription Packages

You must subscribe to a publication in order to view the full text using IEEE *Xplore*. Click **Access Information** in the top toolbar to see which publications are in your subscription.

IEEE members have an automatic subscription to full text of *IEEE Spectrum* online. Members belonging to one or more IEEE societies have access to their societies' subscriptions.

Institutions may purchase the most comprehensive full-text subscription available in the IEEE *Xplore* database (known as IEL) or to a variety of subset collections. Available subscription packages include access to the Abstracts and full-text published since 1988 and select content published since 1952.

- **IEEE/IEE Electronic Library (IEL)**: all IEEE and IEE journals, transactions, and magazines, all IEEE and IEE conference proceedings and colloquia, and all active IEEE standards
- **IEEE All-Society Periodicals Package (ASPP)**: IEEE society-sponsored journals, transactions, and magazines
- **IEEE Conference Proceedings Order Plan (POP)**: select IEEE conference proceedings

- **IEEE Conference Proceedings Order Plan All (POP ALL):** all IEEE conference proceedings
- **IEEE Enterprise:** pre-paid number of downloads from all IEEE journals, magazines, and conference proceedings
- **The Proceedings of the IEEE:** all issues of *Proceedings of the IEEE*
- **IEEE Spectrum Magazine:** all issues of *IEEE Spectrum*

Setting Up an IEEE Member Digital Library Account (IEEE Members)

The IEEE Member Digital Library brings IEEE Members exclusive, instant online access to full text of all IEEE journals, magazines, transactions, letters, and conference papers. IEEE Member Digital Library subscribers can file up to 25 articles each month in a filing cabinet.

To set up your IEEE Member Digital Library account:

1. You need to be an IEEE member.
2. You need to have a Web Account. Your IEEE Web Account is the key that unlocks both your online IEEE personal subscriptions and your IEEE Member Digital Library File Cabinet.
 - To become a member, go to www.ieee.org and click Membership.
 - When you create or renew your membership, select the IEEE Member Digital Library service.
 - To establish your Web Account, go to www.ieee.org, click Web Accounts, and create a Web Account.
 - Remember to keep your IEEE membership current.

As an IEEE Member Digital Library subscriber, you can view the full text of articles from publications that are not in your personal subscriptions. While logged in as an IEEE member, simply file the article in your IEEE Member Digital Library File Cabinet for convenient full-text viewing.

Browse and Search Functions

The browse functions are available to all visitors and are located under **BROWSE** in the navigation menu bar. After selecting a collection — Journals & Magazines, Conference Proceedings, or Standards — you can browse to a title of interest by using either the Browse by keyword or the Browse alphabetically option.

The Home page Basic Search function (search brief Abstracts) is available to all users, including users who do not subscribe to IEEE *Xplore* (guests). All other search functions are available only to IEEE members and subscribing institutions. IEEE *Xplore* provides four ways to search:

- **Basic Search** (Home page) lets you search for a single word or phrase throughout the entire database.
- **Advanced Search** provides more controlled searching. You can narrow the search to specific collections and publication years, and you can specify the format of search results. You can also narrow the search to specific fields of the database, such as Document Title, Publication Title, or Abstract. Option 1 structures the process of creating a search query, while Option 2 provides a free-form box for entering the search. Lists of field codes and search operators can easily be displayed to provide assistance.
- **Author Search** enables you to enter a complete or partial name and searches the author field in each citation record for your entry.
- **CrossRef Search** enables you to search publications by other leading publishers, employing the Google search engine.

Content Updates

The [Latest Content Update](#) link displays a page of links to the added or updated journals and magazines, conference proceedings, and standards for the past four weeks. On that page, you can also view updates for the current and the past year.

To view recently added content:

1. Click the link for the week with additions and updates you want to view.
2. Click the link to a publication to view its table of contents.

To view content added this year or last year:

1. On the Content Updates page, click the [Content Updates Archive](#) link.
2. On the Content Updates Archive page, from the pull-down menu select the week for which you want to view posted updates.
3. Select a publication type.
4. Click **Submit**.

Alerts

You can sign up to receive regular email notification of recently posted journals and magazines, including a direct link to the latest issue's table of contents in IEEE *Xplore*.

To begin receiving email alerts:

1. Click the [Visit Alerts](#) link on the Home page or **Alerts** in the top toolbar.
2. On the sign-up page, enter your name and email address.
3. Click **Submit**.
4. On the selection page, click to select each publication for which you want to receive update alerts.
5. Click **Submit Selection**.

To change your selections:

6. Repeat steps 1 through 3.
7. Click to select the publications to add to your alerts.
8. Click to unselect the publications to remove from your alerts.
9. Click **Submit Selection**.

To unsubscribe from email alerts:

10. Repeat steps 1 through 3.
11. Click **Unsubscribe**.

Top 100 Documents

You can view the 100 most frequently accessed documents for the month. To view the top 100 documents, click the [View Top 100](#) link on the IEEE *Xplore* Home page. A list of the documents is presented in Citation format, which you can change to Citation & Abstract. Links are available for viewing Abstracts and full text.