

# **IEEE *Xplore* 2.0 User Guide**

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## **Glossary**

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# Glossary

## A

**Abstract:** A summary of the contents of a document. The Abstract commonly explains the main points made in an article or paper, including the main theme, argument, process, and results.

**Abstract record:** A description of an article, paper, or standard that includes the following information: author name(s); editor name(s); title of the article, paper, or standard; title, volume/issue number, page number, and date of the publication in which the article or paper appeared and other identifying information including the ISSN or ISBN number.

**AbstractPlus:** The AbstractPlus page provides the same information as the Abstract page, plus: INSPEC accession numbers, live index terms for convenient keyword searching, live author links for convenient by-author searching, references with live links to documents, the Printer Friendly button, link to documents that cite the current document, download Citation capability, a Rightslink button that takes you to the Copyright Clearance Center's Rightslink electronic permissions service page, and where you can arrange for copy and use rights.

**Access authentication:** Verifying the identity of a user accessing IEEE *Xplore* based on the user's IP address.

**Accession number, INSPEC:** The record number created when the bibliographic record was added to the INSPEC database, a component of IEEE *Xplore*. All IEEE *Xplore* documents have a unique INSPEC accession number.

**Adobe Acrobat Reader:** The viewer software used by IEEE *Xplore* to display PDF (portable document format) documents.

**Affiliation:** The organization or company employing the author of an article or paper, or the corporate source if no personal authors are credited.

**Alerts, email:** Email messages that let you know when a publication you have specified is updated. Click the Alerts button to display instructions for setting up email alerts.

**Alphanumeric character:** Any letter A-Z or a-z, or any digit 0-9.

**And operator:** Indicates the relationship between your search criteria. And means results should match all criteria.

**ANSI:** The American National Standards Institute, an organization that coordinates U.S. voluntary standards for a wide range of business, public, and consumer areas.

**Author:** The author or presenter of the document as published. On the AbstractPlus page, you can click an underlined author name to search by that author.

**Author list:** A complete listing of all authors in the IEEE *Xplore* database, which can be accessed from the Author Search page. You can search by keyword or browse alphabetically through the list for a particular author. Clicking an author name returns a list of articles and papers by that author.

## B

**Back button:** A button on the browser toolbar that enables you to go to the previously viewed page. For example, while viewing a list of search results, you can click the Back button to return to the search page that generated those results.

**Browser:** The viewing software through which you use IEEE *Xplore*. To read about browser requirements for using IEEE *Xplore*, see the IEEE *Xplore* Guide topic “What are the optimal system requirements for using IEEE *Xplore*?”.

**Buy Via Ask\*IEEE:** The Buy Via Ask\*IEEE link enables you to purchase articles for which IEEE does not hold copyright or if the document is not available in IEEE *Xplore*. This link appears on Abstract and/or AbstractPlus pages.

## C

**Case sensitive:** Making a distinction between characters entered in uppercase (capital letters) and lowercase.

**Catalog number:** The IEEE Catalog Number for the document.

**CODEN:** A unique alphanumeric code assigned to serial and monographic publications and used as a permanent identifier. The CODEN system was developed in 1963 by the American Society for Testing and Materials for scientific and technical publications, but has since expanded in scope. In 1975, the Chemical Abstracts Service assumed responsibility for the assignment and dissemination of CODEN designations.

**Colloquium:** A meeting or conference, usually conducted by the IEE.

**Conference date:** Date of the conference where the paper was presented.

**Conference proceedings list:** A complete listing of all conference proceedings in the IEEE *Xplore* database which can be accessed from the Browse Conference Proceedings page. You can search by keyword or browse alphabetically for a particular conference. Clicking a conference title returns a list of volumes for that conference.

**Conference title:** The name of a conference or meeting.

**Country:** The country in which the conference was held.

## D

**Document:** An article, paper, or standard stored as a record in IEEE *Xplore*.

**Document title:** The full title of the document as published, also referred to as document title. Conference paper titles and standard titles are also found under the generic term Document Title in IEEE *Xplore*.

**Document type:** The publication category of the documents in IEEE *Xplore*. CNF indicates conference proceedings, JNL indicates periodicals (journals, magazine, and transactions), and STD indicates standards.

## E

**Email alert:** Email messages that let you know when a publication you have specified is updated. Click the Alerts button to display instructions for setting up email alerts.

**End page:** The ending page of the article within the publication.

## F

**Field:** A specific type of information within an IEEE *Xplore* record. For example, the Author field, abbreviated au, contains the name of the author of the document.

**Field codes:** Abbreviations for fields that you use in free-form search expressions. You can access a list of field codes by clicking the Advanced Search page.

**Fields menu:** A pull-down menu on the Advanced Search page that allows you to select a specific field in which to search for the associated search text.

**Full text:** The complete text of an article, paper, or standard in its published form, including both the bibliographic descriptions and the articles themselves. In IEEE *Xplore*, full text is available in portable document format (PDF) files. Select content is available as full text in HTML files.

## H

**Help button:** A link appearing at the bottom of IEEE *Xplore* pages that opens a help topic related to your current context.

## I

**IEL:** IEEE/IEE Electronic Library: A digital library of all articles, conference papers, and standards published by IEEE and IEE since 1988, with select content from 1952.

**Index (subject) term:** A significant word used as a descriptor of the subject of an article or paper. On the AbstractPlus page, you can click an underlined index term to search for documents containing that term.

**INSPEC:** An English-language information service providing a bibliographic database of Abstracts compiled from scientific and technical literature, of which IEEE *Xplore* uses a subset.

**ISBN:** The International Standard Book Number: a four-part, ten-character identifying code given to a book (a non-serial literary publication) before publication. The four parts are: group identifier (e.g., national, geographic, language); publisher identifier; title identifier; and check digit. Started by British publishers in 1967, the standard book number has been an international standard since 1969. The numbering system is administered among cooperating publishers in participating countries by a standard book numbering agency. Most IEEE *Xplore* conference publications have a unique ISBN.

**ISSN:** The International Standard Serial Number: the international numerical code that identifies a serial publication, based on American National Standard Identification Number for Serial Publications, Z39.9-1971, and approved by the International Organization for Standardization as ISO 3297, International Standard Serial Numbering. The ISSN program became operative in the United States in 1971. Each IEEE *Xplore* transaction, magazine, and journal publication has a unique ISSN.

**Issue list:** The issue list appears in the Issues pull-down menu on the publication page. The most recent issues appear at the top. If you click a year, the list of recent issues is replaced by a list of issues for that year. Click an issue to access its table of contents.

**Issue number:** The number that uniquely identifies an issue of a periodical or newspaper.

**Issue part number:** The number that uniquely identifies part of an issue of a periodical or newspaper.

## J

**Journal:** As used in IEEE *Xplore*, any serial publication such as a journal, transaction, letter, or magazine.

**Journals list:** A complete listing of all journals in the IEEE *Xplore* database, which can be accessed from the Browse Journals & Magazines page. You can search by keyword or browse alphabetically for a particular journal. Clicking a journal title returns a list of issues from that journal.

## L

**Latest Content Update:** The Latest Content Update link on the IEEE *Xplore* Home page displays a page listing 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.

**Login ID:** The username and password you use to log into IEEE *Xplore*.

**Login link:** A link located at the top of all IEEE *Xplore* pages that starts the login process. If you are already logged in, a "Welcome" message appears in the blue banner.

**Logout link:** A link located at the top of all IEEE *Xplore* pages that allows you to log out of IEEE *Xplore*.

## M

**Matches:** Records that meet search criteria and are listed on the search results list.

**Modify Search query box:** An area that appears on the Search Results page, displaying the query just executed and letting you modify the query. After modifying the query, click the Go button.

## N

**Navigation menu bar:** The row of choices (Browse, Search, IEEE *Xplore* Guide, Support) below the banner at the top of each IEEE *Xplore* page that provides links to pages in IEEE *Xplore*.

**Nesting operations:** The use of parentheses to specify the order in which IEEE *Xplore* processes the parts of a search query. Without any parentheses, IEEE *Xplore* processes free-form queries from left to right. With the use of parentheses, IEEE *Xplore* in parentheses before items outside parentheses, and processes items in the innermost pair of parentheses first.

**Not operator:** Indicates the relationship between your search criteria. Not means the results should not match this particular criterion.

## O

**Operator:** A syntax element in search expressions that describes a relationship between criteria. Commonly used operators are And, Or, and Not.

**Operators menu:** A pull-down menu on the Advanced Search page that allows you to specify the relationship between several search strings using the And, Or, and Not operators.

**Or operator:** Indicates the relationship between your search criteria. Or means results should match any one or more criteria.

## P

**Password:** Part of the information you enter in the Login area, in addition to your username. Passwords are case sensitive.

**PDF:** PDF (Portable Document Format) is a format that maintains the page layout, color, graphics, and typography of the original document as published. It can be viewed onscreen or printed from any type of computer, using the Adobe Acrobat Reader software.

**Personal security identifier:** A reminder word to help you recover your password if you forget it. You define this identifier when you set up an IEEE Web Account.

**Printer friendly icon:** An icon on the Table of Contents, Abstract/AbstractPlus, and Search Results pages that allows you to display the page in a format that is better for printing.

**Publication date:** The date of publication of the document.

**Publication information:** Information about the editorial board or staff for the journal selected. This area appears on the left side of the Publication page.

**Publication name:** The name of the publication in which an article or paper appears.

**Publisher:** The publisher of the document in which an article or paper appears.

**Publisher location:** The city and state or province in which the publisher of an article is located.

**Q**

**Query:** A single keyword, expression (keywords and operator), or combination of expressions that specifies criteria for locating records. Also referred to as a search string. In IEEE *Xplore*, you use Advanced Search to build search queries, using either the structured or free-form areas.

**R**

**Record:** The bibliographic information associated with each article, paper, and standard in the IEEE *Xplore* database.

**Reference list:** In the Abstract record, the bibliographic references for the article. An AbstractPlus displays hyperlinks to the referenced documents' Abstracts and PDF full-text if the document is in the IEEE *Xplore* database or available via a CrossRef link to the publisher's web site.

**Relevance ranking:** The determination of relevance of a search result to the query that generated it, according to the number of occurrences of the search term(s) in the resulting document.

**Reset button:** Clears the search query box (or boxes) so you can reenter your search criteria.

**Result-range page links:** Numbers such as 26-50 that appear at the top and bottom of each Search Results page, allowing you to go to additional results pages generated by the search.

**Rightslink button:** The Rightslink button displays the Rightslink page, where you can arrange for copy and use rights. This button appears on the AbstractPlus page.

**S**

**Score:** The relevance ranking based on the number of occurrences in the matching document of the search criteria you specified.

**Search expression:** A combination of search text, operators, and field codes that forms part of a search query.

**Search query box:** A text box on a search page where you enter your search query.

**Search result:** On the Search Results page, a description of a document stored in IEEE *Xplore* that matches the search criteria supplied using the Basic, or Advanced, or Author Search.

**Search text:** Words, partial words, and phrases you enter in a search query box to find matching information in IEEE *Xplore* database records. You can search for exact matches or variations of words and phrases. You can use field codes and search operators with your search text to form search expressions.

**Standard number:** The identifying number of an IEEE standard.

**Standards list:** A complete listing of all standards in the IEEE *Xplore* database which can be accessed from the Browse Standards page. You can search by standard number or keyword to locate a particular standard.

**Start page:** The starting page of the article within the publication.

**Stem variation:** The stem is the base word for which you are searching. IEEE *Xplore* normally searches for the stem and its variants (the “stem variations”, which include endings such as plurals, -ing, and -ed).

**Subject term:** A significant word used as a descriptor of the subject of an article or paper. On the AbstractPlus page, you can click an underlined index term to search for documents containing that term.

**Subscriber icon:** An icon that appears on lists of search results next to publications to which you or your institution subscribes.

## T

**Table of contents listing:** A listing of an article, conference paper, or standard on the table of contents page of a publication volume. The listing contains the title, author (if applicable), and page number.

**Truncation:** Specification of part of a word, to which you add wildcard characters to represent the remainder of the word.

## U

**Username:** Part of the information you enter in the Login area, in addition to your password. Usernames are case sensitive.

## V

**View Top 100:** The View Top 100 link on the IEEE *Xplore* Home page displays a page that lists the most frequently requested documents during the current month.

**Volume:** The publication volume in which the article appears.

## W

**Wildcard character:** A character used in search queries to represent one or more unspecified characters. The \* wildcard character represents any or no characters and the ? wildcard character represents any single character.