



## IEEE Xplore



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Browse ▾ My Settings ▾ Get Help ▾

Search **4.596.937** items

All ▾ Enter keywords or phrases (Note: Searches metadata only by default. A search for 'smart grid' = 'smart AND grid')

Advanced Search | Other Search Options ▾

### **Publisher**

Institute of Electrical and Electronics Engineers

### **Contents**

The field of electrical engineering, computer science and electronics. IEEE covers the period from 1872 up to now.

### **Extent**

3 millions documents and it contains fulltext

### **Type**

Bibliographic database

### **Search language**

English

### **Geographical coverage**

International

### **Document types**

Journals, conference proceedings, technical standards and eBooks

### **Truncation**

Star ( \* ) can be used as a truncation character

[Help function](#)

## Start your search here

- Enter search terms in the GLOBAL SEARCH BOX on the home page.
- IEEE Xplore searches all words and ranks the result by relevance.
- Use quotes (" ") to search for an exact phrase.
- Use ADVANCED SEARCH for a more customized search with Boolean operators and other functions.

The screenshot shows the IEEE Xplore search interface. At the top, there are navigation links: "Browse", "My Settings", and "Get Help". Below this is a search bar with the text "Enter keywords or phrases (Note: Searches metadata only by default. A search for 'smart grid' = 'smart AND grid')". To the right of the search bar are links for "Advanced Search" and "Other Search Options". Below the search bar is a "Search within results" field. The main content area displays "Displaying results 1-25 of 1,074 for 'it systems'". There are several filters: "Conferences (878)", "Books (4)", "Journals & Magazines (170)", "Courses (4)", "Standards (15)", and "Early Access Articles (3)". There is also a "Year" filter and a "Sort By: Relevance" dropdown. A search result is visible: "Cross-Technology, Cross-Layer Defect Detection in IT Systems -- Challenges and". Three orange arrows point from labels at the bottom to specific parts of the interface: "Global Search Box" points to the main search bar, "Advanced Search" points to the "Advanced Search" link, and "Results" points to the search results area.

Global Search Box

Advanced Search

Results

## How to refine results

- On the result page, under FILTER THESE RESULTS, use SEARCH WITHIN RESULTS to enter additional search terms.
- A star ( \* ) can be used to represent any or no characters. For example, harvest\* will retrieve harvest, harvesting, harvesters, ect.
- The TYPE-AHEAD function suggest a list of commonly used search terms. When a term is clicked, a search is executed on the selected term.

The screenshot displays a search interface with a search bar containing "energy\*" and a dropdown menu showing suggestions like "energy consumption", "energy conservation", and "energy management systems". The main search results area shows "174 for 'it systems'" with filters for Journals & Magazines (170), Standards (15), Courses (4), and Early Access Articles (3). A specific result is highlighted: "Cross-Technology, Cross-Layer Defect Detection in IT Systems -- Challenges and Achievements" by Philippe-Emmanuel Douziech and Bill Curtis, published in 2015 at the IEEE Conferences.

( \* ) Search

Type-Ahead function

## Refine with facets

- The left side of the results page contains facets, such as content type. Facets allow further refinements to the search results. Click REFRESH FILTERS to view refined search results.
- Within the search result, search terms will be highlighted GREEN.
- The Green subscription identifier icon allows access to the full-text document.

The screenshot shows a search interface with a dark blue header containing navigation links: "Browse", "My Settings", and "Get Help". Below the header is a search bar with "it systems" entered and a search icon. To the right of the search bar are links for "Advanced Search" and "Other Search Options". Below the search bar is a secondary search bar labeled "Search within results" and a search icon. To the right of this bar are links for "Show: All Results", "Download PDFs", "Per Page: 25", "Export", "Set Search Alerts", and "Search History".

The main content area displays "Displaying results 1-25 of 94 for 'it systems' x energy\* x". Below this are facet options for content types: "Conferences (81)", "Books (1)", "Journals & Magazines (7)", "Standards (1)", and "Courses (4)". A blue "Apply" button is positioned above the facets.

Below the facets is a "Year" facet with a range slider from 1996 to 2017. Below the slider are input fields for "From" (1996) and "To" (2017). To the right of the year facet is a "Sort By: Relevance" dropdown menu.

The search results list includes a result titled "Green Metrics for Energy-aware IT Systems" by Alexander Kipp, Tao Jiang, and Mariagrazia Fugini. The result details include the year (2011), page numbers (241-248), and citation information (Cited by: Papers (6)). Below the title are links for "Abstract", "html", and a PDF icon (349 Kb). A green lock icon is located to the right of the result.

Three orange arrows point from text boxes below to specific elements: "Refine Searches" points to the year facet, "Apply Refinements" points to the "Apply" button, and "Full-text Access Icon" points to the green lock icon.

## Editing, sorting and save search results

- To remove elements from the SEARCH RESULTS display, click "X" next to the item.
- Use the drop-down menus to change the number of displayed PER PAGE or the SORT BY order (i.e., newest, oldest first etc.)
- Click SET SEARCH ALERT to save up to 15 searches. You have to create an account in order to use this function.

The screenshot shows a search results interface for the query "it systems". The page includes a navigation bar with "Browse", "My Settings", and "Get Help" menus. A search bar at the top contains the query "it systems" and a search icon. Below the search bar, there are options for "Advanced Search" and "Other Search Options". A secondary search bar allows searching within results. The main content area displays "Displaying results 1-25 of 94 for 'it systems' x energy\* x". It features a filter section with checkboxes for "Conferences (81)", "Books (1)", "Journals & Magazines (7)", "Standards (1)", and "Courses (4)". A "Year" filter is shown with a range from 1996 to 2017. A "Sort By: Relevance" dropdown menu is visible. The search results list includes a paper titled "Green Metrics for Energy-aware IT Systems" by Alexander Kipp, Tao Jiang, and Mariagrazia Fugini, published in the 2011 International Conference on Complex, Intelligent, and Software Intensive Systems. The paper details include "Year: 2011", "Page s: 241 - 248", and "Cited by: Papers (6)". It is from "IEEE Conferences" and has options for "Abstract", "html", and a PDF file (349 Kb). A "Hybrid Energy Management System for Community Energy System Facilities" is also listed. Annotations with arrows point from three boxes at the bottom to specific UI elements: "Save your search" points to the "Set Search Alerts" link; "Display options" points to the "Per Page: 25" and "Sort By: Relevance" dropdowns; and "Remove search elements" points to the "X" icons next to the search results.

**Save your search**

**Display options**

**Remove search elements**