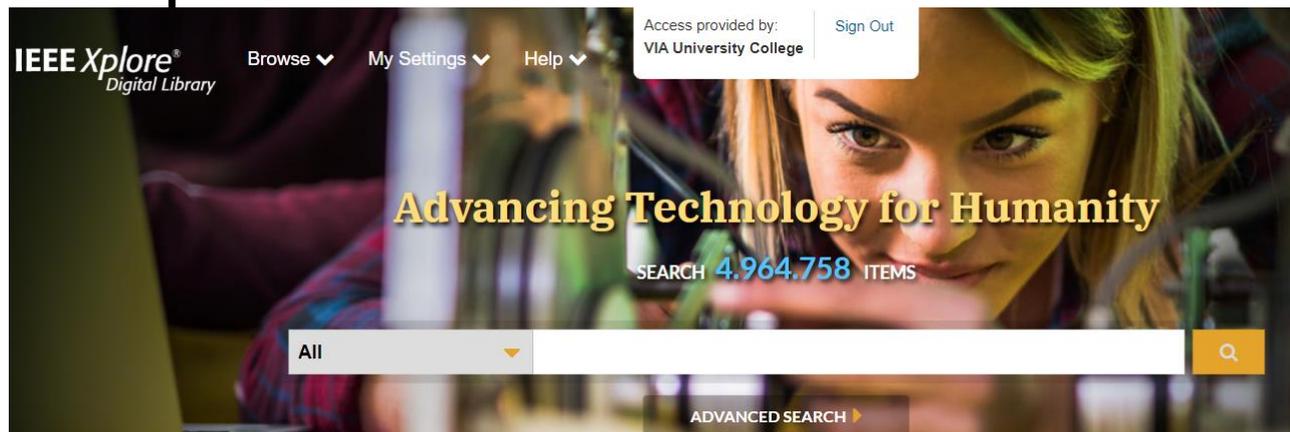


## IEEE Xplore



### **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 a dropdown menu set to "All" and a search input field containing 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 secondary search bar labeled "Search within results" and a row of options: "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 1,074 for 'it systems' x". Below this are several filter categories with checkboxes: "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 partially 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 such as "energy consumption", "energy conservation", and "energy management systems". The search results page shows a list of results, with the first result being "Cross-Technology, Cross-Layer Defect Detection in IT Systems -- Challenges and Achievements" by Philippe-Emmanuel Douziech and Bill Curtis. The interface includes navigation options like "Browse", "My Settings", and "Get Help", and a search bar with "it systems" entered. The search results are filtered by "All" and "it systems". The search results are sorted by "Relevance" and show 174 results for "it systems". The search results are displayed in a list format, with the first result being "Cross-Technology, Cross-Layer Defect Detection in IT Systems -- Challenges and Achievements". The search results are displayed in a list format, with the first result being "Cross-Technology, Cross-Layer Defect Detection in IT Systems -- Challenges and Achievements".

( \* ) 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 the query "it systems" and a search button. 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 set of controls including "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), Journals & Magazines (7), Courses (4), Books (1), and Standards (1). A blue "Apply" button is positioned above the results list.

The results list includes a "Select All on Page" checkbox and a "Sort By: Relevance" dropdown. The first result is "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. It includes details like "Year: 2011", "Page s: 241 - 248", and "Cited by: Papers (6)". The source is identified as "IEEE Conferences" with options for "Abstract", "html", and a PDF icon (349 Kb). A green lock icon is present next to the result title.

Annotations with orange arrows point to three specific elements: 1) The "Year" facet (1996-2017 range) is labeled "Refine Searches". 2) The "Apply" button is labeled "Apply Refinements". 3) The green lock icon next to the result title is labeled "Full-text Access 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 with the following elements and annotations:

- Save your search:** An arrow points from the "Set Search Alerts" link in the top navigation bar to a box labeled "Save your search".
- Display options:** An arrow points from the "Per Page: 25" dropdown menu to a box labeled "Display options".
- Remove search elements:** An arrow points from the "X" icon next to the search query "energy\*" to a box labeled "Remove search elements".

The search results page displays the following information:

- Search query: "it systems" x energy\* x
- Filters: Conferences (81), Journals & Magazines (7), Courses (4), Books (1), Standards (1)
- Sort By: Relevance
- Year filter: Range (1996 to 2017)
- Author filter: Author
- Results list:
  - Select All on Page
  - Green Metrics for Energy-aware IT Systems  
Alexander Kipp ; Tao Jiang ; Mariagrazia Fugini  
2011 International Conference on Complex, Intelligent, and Software Intensive Systems  
Year: 2011  
Page s: 241 - 248  
Cited by: Papers (6)  
IEEE Conferences  
Abstract (html) PDF (349 Kb) CC
  - Hybrid Energy Management System for Community Energy System Facilities