

The IEEE Digital Library and the ACM Digital Library

[IEEE Digital Library](#)

[IEEE Search Features](#)

[ACM Digital Library](#)

[The Guide to Computing Literature](#)

[ACM Search Features](#)

Access to the IEEE and ACM Digital Libraries is limited to current Suffolk University students and faculty. To access the IEEE and ACM collections go to the [Sawyer Library web page](http://www.suffolk.edu/sawlib/sawyer.htm) at www.suffolk.edu/sawlib/sawyer.htm. Select [Databases by Subject](#). The IEEE and ACM are listed under the [Sciences](#).

IEEE Digital Library



Founded in 1946, the Institute of Electrical and Electronics Engineers (IEEE) Computer Society is the world's leading organization of computing professionals. It is the largest of the 39 societies of the IEEE.

The IEEE Computer Society Digital Library offers electronic access to 25 society magazines and transactions, and over 2,600 conference proceedings.

Topical areas include the expected subjects such as computation, internet & data technologies, IT & security, networking, hardware and software, mobile computing, artificial intelligence, graphics & multimedia, and topics regarding the use of technology in other disciplines, such as biotechnology.

Search In: All Content Only the following My subscriptions

Magazines

- Annals of the History of Computing
- Computing in Science & Engineering
- Computer Magazine
- Computer Graphics & Applications
- Concurrency
- Design & Test of Computers
- Intelligent Systems
- Internet Computing
- IT Professional
- Micro
- MultiMedia
- Software
- Pervasive Computing
- Security & Privacy
- DS Online

Letters

- Computer Architecture

IEEE Transactions On

- Computers
- Knowledge Data Engineering
- Parallel & Distributed Systems
- Pattern Analysis & Machine Intelligence
- Software Engineering
- Visualization & Computer Graphics
- Mobile Computing
- Computational Biology & Bioinformatics
- Dependable & Secure Computing

Site Areas

- Conference Proceedings
- Computer Society Book Store
- Distance Learning
- Main Web site (non-publication areas)

Partner Site Content

- ACM Digital Library

Key: = Subscribed = Not Subscribed = No Subscription Required

IEEE Computer Society Periodicals:

The IEEE Computer Society's periodicals consist of a collection of technical magazines, journals (known as Transactions), and the IEEE Computer Architecture Letters, which is also a scholarly publication.

The IEEE Computer Society's Peer Review Notice states that "all scientific papers published in its journals and technical magazines are reviewed by at least two referees who are experienced in the paper's subject area and independent of the periodical's Editorial Board."

IEEE Search Features

Search For:

Appearing in:

Optional Parameters:

and or not
 Appearing in:

Date Range:

to

Sort by:

Results Per Page:

The Advanced Search:

The Advanced Search serves as the default for users coming from Suffolk University. It allows a customized search of all subscribed content: journals, technical magazines, and conference proceedings.

Terms may be specified to appear anywhere in the full text; in the title; as the author name, date, or ISBN field. Multiple terms may be designated as an exact phrase.

Search For Author:

This form will return a list of authors.
 Clicking the author's name will return all articles written by that particular author.

Enter author's last/surname or first and last/surname:

Results Per Page:

The Author Name Search:

A search for an author's last name will generate a list of authors whose names contain that term. For example, a search for "Smith" will generate a list of all the Smiths, as well as any Goldsmiths, Highsmiths, or hyphenated names with Smith. Click the chosen full name to access all articles by that author.

Note: the same author may have more than one listing, for example, "Bob Smith" might also appear as "B. Smith".

- | | | |
|----------------------------|-----------------------------|----------------------------|
| B. Smith | B. F. Smith | B.F. Smith |
| B.J. Smith | B.K. Smith | B.T. Smith |

Search Conference Proceedings:

Users have the option to search for papers delivered at conferences by title, conference name, acronym, and full text.

Search Conference Proceedings for:
 Appearing in:

Optional Parameters:
 and or not
 Appearing in:

Date Range:
 to

Sort by:
 Results Per Page:

Dropdown Menu:
Full Text
Full Text
Paper Title
Author
Date (yyyy-mm)
Conf. Name
Acronym
ISBN/ISSN
Keywords
Exact Phrase

Sample search in the IEEE Digital Library:

The bulk of the material in the IEEE Computer Society's Digital Library is of interest primarily to those in computer science, however since the applications of computer science have changed the landscape of many other disciplines, researchers in other areas may benefit by trying some searches here.

In this example, the term "voting" is placed in the document title, and "electronic" may appear anywhere in the text.

Users who are not from the computer sciences should expect the resulting articles to be quite technical. However, those who are

Search For:
 Appearing in:

Optional Parameters:
 and or not
 Appearing in:

Date Range:
 to

Sort by:
 Results Per Page:



Civitas: Toward a Secure Voting System

Found in: [2008 IEEE Symposium on Security and Privacy \(sp 2008\)](#)

By Michael R. Clarkson , Stephen Chong , Andrew C. Myers

Issue Date: May 2008

pp. 354-368

Civitas is the first electronic voting system that is coercion-resistant, universally and voter verifiable, and suitable for remote voting. This paper describes the design and implementation of Civitas. Assurance is established in the design through securi...



PDF



ABSTRACT



MORE LIKE THIS



New Research Results for Electronic Voting

Found in: [IEEE Security and Privacy](#)

By Aviel D. Rubin , David R. Jefferson

Issue Date: May 2008

pp. 12-13

Voting systems have become controversial in the years following the multiple election disasters that occurred in the United States during and after 2000. Of particular note were the electronic voting (e-voting) systems that were widely deployed to replace ...



PDF



ABSTRACT



MORE LIKE THIS

interested either in the nuts and bolts behind the newest applications of technology, or in browsing for upcoming developments that have yet to be introduced to the mainstream, may find interesting ideas here.



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- [ACM Oral History interviews](#)

The Association for Computing Machinery (ACM) describes the Digital Library as "a vast collection of citations and full text from ACM journal and newsletter articles and conference proceedings," and more specifically as "the full-text repository of papers published by ACM and by other publishers that have co-publishing or co-marketing agreements with ACM."

A complete [contents list of the ACM Digital Library](#) (Journals, Transactions, Magazines, Publications by Affiliated Organizations, SIG - special interest group - Newsletters, and Conference Proceeding Series,) is posted off of the FAQ page.

Users may also browse content by publication type.

ACM Portal: The Guide to Computing Literature

THE GUIDE TO COMPUTING LITERATURE

Bibliographic collection from major publishers in computing.

[Go to The Guide](#)

The Guide to Computing Literature:

In addition to the Digital Library, the ACM Portal also provides access to the Guide to Computing Literature.

Unlike the Digital Library, the Guide is not a full text collection, rather it is a collection of bibliographic citations and abstracts of works from major publishers in computing, including the ACM and other organizations such as the IEEE.

The Guide provides access to over 750,000 citations from 3,000+ publishers, covering materials such as:

- books
- journal articles
- conference proceedings
- doctoral dissertations

- master's theses, and technical reports

ACM Search Features

Search: The ACM Digital Library The Guide

SEARCH

Users may search either the ACM Digital Library or the Guide to Computing Literature. The default search is for the ACM Digital Library.

THE ACM DIGITAL LIBRARY

Enter words, phrases or names below. Surround phrases or full names with double quotation marks.

SEARCH

Words or Phrases

Find with

all of this text
(and)

any of this text
(or)

none of this
text (not)

Names

Find with

names

using all any none of the names

Keywords

Find author's
keywords

using all any none of the
keywords

Affiliations

Find company or
school

using all any
 none of the affiliations

The advanced ACM Digital Library search allows for:

- the specific placement of terms: (title, abstract, review),
- a name search for author or editor
- a search by name of publication
- a search by conference sponsor
- a search by author affiliation
- and a search using the Computing Classification System.

Publication

Find publication
using all any none of the names

Find publisher
using any none of the names

Published since Published before

In publication types Journal Proceeding Transaction Magazine Newsletter

Conference

Find sponsor names
using all any none of the names

Find location
using any none of the locations

Find year (yyyy)
using any none of the years

Identification codes

Find ISBN/ISSN

Find DOI

Computing Classification System (CCS)

Find node
Find subject/noun
 Look at primary category only

Required components

Results must have Full Text Abstract Review

SEARCH

The Advanced Search for the Guide to Computer Literature has the same options as the ACM Digital Library Advanced Search.

Search: The ACM Digital Library The Guide

SEARCH

Sample search in the ACM Digital Library:

The ACM Digital Library, like the IEEE Digital Library, contains highly technical articles on computer science topics, however users who are interested in the applications of these technologies may find some useful information here.

1 [When opinion leaders blog: new forms of citizen interaction](#)

Andrea Kavanaugh, Than Than Zin, John M. Carroll, Joseph Schmitz, Manuel Pérez-Quñones, Philip Isenhour

May 2006 **dg.o '06**: Proceedings of the 2006 international conference on Digital government research

Publisher: ACM

Full text available: [pdf\(333.54 KB\)](#) Additional information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 387, Citation Count: 0

Web logs (i.e., blogs) provide enhanced opportunities to extend capabilities of traditional electronic mail and discussion lists, especially in the hands of opinion leaders; such tools offer greater social interaction and informal discussion, and opportunities ...

Keywords: computer mediated communication, empirical methods, internet, social computing, survey research

2 [Blog analysis and mining technologies to summarize the wisdom of crowds](#)

Belle L. Tseng

August 2007 **MDM '07**: Proceedings of the 8th international workshop on Multimedia data mining: (associated with the ACM SIGKDD 2007)

Publisher: ACM

Full text available: [pdf\(38.79 KB\)](#) Additional information: [full citation](#), [abstract](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 29, Downloads (12 Months): 117, Citation Count: 0

Blogs have become a prominent social media that creates a fast growing social network on the Internet. Blogs enable users to quickly and easily publish content, including highly personal thoughts and professional opinions. Our objective is to understand ...

Keywords: blog analysis, graph analysis