

The ACM Digital Library & Guide to Computing Literature are the definitive online resources for computing professionals. Richly interlinked, they provide access to ACM's collection of publications and bibliographic citations from a broad universe of published IT literature. With their extensive search capabilities, the ACM Digital Library & Guide represent ACM's ultimate vision of an all-electronic publishing program. www.acm.org/dl

The ACM Digital Library (DL)

www.acm.org/dl

The screenshot shows the ACM Digital Library homepage. On the left, there are sections for 'Next of every article ever published by ACM' with links to 'Finding the ACM Digital Library' and 'Frequently Asked Questions (FAQ's)'. Below that is a section for 'Recently loaded issues and proceedings' with a scrollable list of publications including 'Journal of the ACM (JACM)', 'Journal on Educational Resources in Computing', 'Transactions on Applied Perception (TAP)', and 'Transactions on Software Engineering and Artificial Intelligence (TSEAI)'. On the right, there are navigation links for 'Advanced Search', 'Browse the Digital Library' (with sub-links for Journals, Magazines, Transactions, Proceedings, Newsletters, Publications by Affiliated Organizations, and Special Interest Groups (SIGs)), and 'Personalized Services' (with sub-links for My Binders and TOC Service).

The ACM DL is an extensive collection of more than 40 ACM journals, magazines, and peer reviewed articles, as well as conference proceedings and ACM SIG newsletters. This vast archive contains over 2 million pages of text, with full-text articles from ACM publications dating back to the 1950s, and third-party content with selected archives.

Publications in the ACM Digital Library include:

ACM Proceedings

The ACM Digital Library includes proceedings from over 300 conference series. Popular events with proceedings in the ACM Digital Library include:

ACM SIGGRAPH — This annual conference provides a unique crossroads for a diverse community of researchers, developers, creators, educators, and practitioners of computer graphics and interactive techniques.

OOPSLA — The premier forum in the field of object technology, OOPSLA brings together a wide range of professionals who are all interested in the area of object technology.

SC — The Supercomputing conference is organized by a voluntary consortium of individuals acting together to advance the science and application of high-performance computing and communications technology.

ACM Magazines

The ACM Digital Library offers a broad array of cutting edge print and online magazines written and edited by international experts with exceptional credentials in their respective fields, including:

Communications of the ACM, the internationally acknowledged magazine of the computing field, covering industry news on both established and emerging areas of computer technology.

ACM Queue, a practical publication that frames and defines the technical problems and challenges that loom ahead, helping readers to sharpen their own thinking and pursue innovative solutions.

Interactions, ACM's magazine on applied human-computer interaction, exploring new ideas, standards, practices, research results and case studies.

ACM Journals

ACM's prestigious journals are written and edited by leading experts in their respective fields. All ACM Journals, plus archives, are available in the Digital Library, including:

Journal on Emerging Technology in Computing Systems (JETC) JETC provides comprehensive coverage of innovations in the computing systems constructed out of emerging technologies and advanced semiconductors.

Journal on Educational Resources in Computing (JERIC) JERIC offers access to high quality, archival resources to support computing education, including scholarly articles and laboratory materials.

Journal of the ACM (JACM)

JACM provides coverage of the most significant work going on in computer science, broadly construed. It is a peer-reviewed journal, published 6 times a year by ACM.

ACM Transactions

ACM's world renowned Transactions Series includes some of the most respected peer-reviewed journals in computer science. All Transactions are available in the ACM Digital Library, including:

Transactions on Autonomous and Adaptive Systems (TAAS)

TAAS covers foundational, engineering, and technological aspects of computing systems exhibiting emergent and adaptive behavior.

Transactions on Knowledge Discovery from Data (TKDD)

TKDD covers a full range of research in the knowledge discovery and analysis of diverse forms of data.

Transactions on the Web (TWEB)

TWEB covers Web content, application, use, and related enabling technologies.

Personalized Online Services for Digital Library Subscribers

- Personalize your use of ACM publications with Virtual Binders, where you can organize and store copies of articles of interest or build your own bibliographies for future research.
- Share your personal collection with others. Whether you choose to share with an individual person or a pre-defined group, collaboration is now easier than ever.
- Use the Digital Library's Peer-to-Peer Facility which provides users with a listing of articles/links that readers of the primary article have accessed.

Table of Content Alerts for All ACM Members

All ACM Professional and Student Members can receive automatic self-selected email alerts for any of ACM's journals, magazines, and proceedings as new materials are added to the ACM Digital Library. Or, if you prefer, you can view this information on a periodic basis. Visit the homepage of the publication of your choice in the DL and select "TOC Service."

You can search the DL by Keyword or Phrase, by the ACM Computing Classification Scheme, by Publication, or by Affiliation. The result: a better, more tailored and precise set of search returns!

The Guide to Computing Literature (Guide)

www.acm.org/guide

The screenshot shows the ACM Guide to Computing Literature website. The main heading is "THE GUIDE TO COMPUTING LITERATURE". Below this, there are several sections:

- Bibliographic citations from major publishers in computing.** This section includes links for "Using The Guide" and "Frequently Asked Questions (FAQ's)".
- Recently loaded items:** This section lists recent publications, including "Journal of the ACM (JACM) Volume 52 Issue 6", "ACM Transactions on Software Engineering and Methodology (TOSEM) Volume 14 Issue 4", and "ACM SIGACCESS Accessibility and Computing Issue 63".
- Advanced Search** and **Browse the Guide:** This section contains links for "Computing Classification System", "Keywords Index", "Proper Nouns Index", "Author index", and "Reviewer index". There is also a "Publication type" dropdown menu.
- Personalized Services:** This section includes a "Login required" link and a "My Finders" feature, which allows users to "Save search results and queries. Share binders with colleagues and build bibliographies."

An enormous bank of over one million bibliographic citations extending far beyond ACM's proprietary literature. The Guide covers all core works in computing such as journals, proceedings, books, technical reports, and theses. And by providing links back to the original material, The Guide will help you access most of the bibliographic information on the vast field of computing in one convenient place.

The Guide offers several indexes for searches:

- Author Index
- Reviewer Index
- Subject Index by Category (Computer Classification Scheme)
- Subject Index by Keyword
- Subject Index by Proper Nouns

Library Journal recommends the ACM Digital Library & Guide!

"Highly recommended for every library interested in making computing and information technology literature available"

"A spectacular resource"

"A bonanza of computing literature at a bargain price"

"Not just a valuable resource for academic use but a powerful tool kit for IT professionals"



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