

Computer Science Subject Guide

Spahr Engineering Library <http://www.lib.ku.edu/EngLib/>

Find an Overview

A specialized encyclopedia is the best place to start if the topic is unfamiliar or if a basic overview is needed. References at the end of encyclopedia articles will lead to books, journal articles and/or Internet sites that provide more information on the topic.

Recommended:

Encyclopedia of computer science QA76.15 .E48 2003 (Spahr Engineering Library, Reference section)

Encyclopedia of Computer Science and Technology T57.6 .O646 (Spahr Engineering Library)

Encyclopedia of Software Engineering QA76.758 .E53 (Spahr Engineering Library and Anschutz Library)

Find Books*

- To determine what books the library owns on a particular topic, do a **keyword** search in the [Library Catalog](#)
- To locate specific books (such as those found in the bibliography of an encyclopedia or journal article), do a **title** search in the [Library Catalog](#)

Recommended:

Computer Science and Engineering Handbook QA76 .C57315 1997 (Anschutz Library, copy 2)

[Dictionary of the Internet](#) Oxford Reference Online

[Dictionary of Computing](#) Oxford Reference Online. Also in print QA76.15 .D526 1996 (Anschutz Library reference section); also as e-book at [QA76.15 .D526 1997 online](#)

Find Journal Articles*

- Indexes
 - [Compendex](#) Comprehensive interdisciplinary engineering database.
 - [Computer Database ASAP](#) Provides access to periodicals on the computer, telecommunications and electronics industries.
 - [CiteSeer](#) is a scientific literature digital library and search engine that focuses primarily on the literature in computer and information science.
 - [MathSciNet](#) Comprehensive database covering mathematical literature since 1940.
 - [Web of Science](#) Provides subject search and citation indexing of thousands of scholarly journals in all areas of research.
- Publishers
 - [ACM Digital Library](#) Citations and full text of every article ever published by ACM (Association for Computing Machinery). Includes ACM journals, newsletter articles and conference proceedings.
 - [IEEE Xplore](#) Provides full-text access to IEEE transactions, journals, magazines and conference proceedings published since 1998.
 - [SIAM Journals Online](#) Electronic journals of the Society for Industrial and Applied Mathematics
- [E-journals](#) available at KU listed by Title and Subject
 - Search by title or browse by subject under the subject headings Technology and Applied Sciences: Computers and Technology and Applied Sciences: Engineering—Computer Applications)

Find Internet Resources

- [EEVL](#) Internet guide to engineering, mathematics and computing.
- [Google computer science](#). The web organized by topic into categories.
- [Yahoo computer science](#). The web organized by topic into categories.

Find Technical Reports

- [Virtual Technical Reports Center](#) This site contains links to technical reports, preprints, reprints, dissertations, theses, and research reports of all kinds.
- [Networked Computer Science Technical Reference Library \(NCSTRL\)](#) An international collection of computer science technical reports from CS departments and industrial and government research laboratories, made available for non-commercial and educational use.

Find Definitions of Words and Terms

- [Whatis.com](#) Dictionary of computer science terms.

Find Research Assistance

- [Writing & Citing](#) Style guides grammar, dictionaries, writing resources used at KU.

*Locating Computer Science Books, Journals, and Conference Proceedings in the KU Libraries

▪ Online publications

The Library's web site provides online access to many computer science publications. These include the ACM Digital Library, the IEEE Xplore journals and proceedings since 1998, and many other electronic journals and databases. Online publications are accessible from anywhere on campus.

▪ Print publications

Print materials on computer science are housed in two different buildings at KU:

Anschutz Library.

2nd floor (one floor below entry level)

Call number QA 75.5—76.9

Anschutz covers mainly computer programming and software. Topics include general theory and application of computers, data processing, parallel processing, computer programming, programming languages, specific makes and models of computers and microprocessors, computer security, database and file management, etc.

Spahr Engineering Library.

2nd floor

Call number TK 5100—7895

Spahr covers mainly computer engineering and hardware. Topics include telecommunication, signal processing, wireless, data transmission, computer networks, electronic circuits and apparatus, semiconductors, microelectronics, integrated circuits, microwaves, and computer hardware, components, and auxiliary equipment, etc.

Sometimes there are materials on a topic in both Anschutz and Spahr.

Regardless of location, all computer science books, journals, and conference proceedings are listed in the library's online catalog. The same is true of all Library materials at KU in every field of engineering. The catalog gives the location of each and every item.