

Sources in

ELECTRICAL & COMPUTER ENGINEERING

This guide lists a selection of the more important sources of information on Electrical & Computer Engineering available at Concordia Libraries. Most print materials are located in the Reference area (REF). **This is not a complete list.** Additional resources may be found by searching CLUES, the library catalogue.

For more information, consult the **Research Guides by Subject** available on the Libraries' Web site at <http://library.concordia.ca/research/subjects/> or contact the reference librarian.

Dictionaries and Encyclopedias

These resources will help to provide definitions and background information on a topic.

Comprehensive dictionary of electrical engineering	REF TK 9 C575 2005 WEB
Computer desktop encyclopedia. 2 nd ed.	REF QA 76.15 F732 1999 WEB
Desktop encyclopedia of telecommunications	REF TK 5102 M85 2000 WEB
Embedded systems dictionary	REF TK 7895 E42G38 2003 WEB
Encyclopedia of applied physics	ONLINE
Encyclopedia of biomaterials and biomedical engineering	ONLINE
Encyclopedia of computer science. 4 th ed.	REF QA 76.15 E48 2000 WEB
Encyclopedia of computer science and technology (Annual)	REF QA 76.15 E5 WEB
Encyclopedia of cryptography and security	REF Z 103 E53 2005 WEB
Encyclopedia of electronic circuits	REF TK 7867 G66 WEB
Encyclopedia of information systems	REF T 58.5 E535 2003 WEB
Encyclopedia of networking 3 rd ed.	REF TK 5105.5 F42 2000 WEB
Encyclopedia of physical science and technology – 18 vol.	REF Q 123 E497 2002 WEB
Encyclopedia of RF and microwave engineering	ONLINE
GATF encyclopedia of graphic communications	REF Z 118 G29 1998 WEB
IEEE standard dictionary of electrical and electronics terms	REF TK 9 I478 1996 WEB
Illustrated dictionary of electronics	REF TK 7804 T87 1994 WEB
International dictionary of abbreviations and acronyms in electronics, electrical engineering, computer technology, and information processing	REF TK 9 W38 1992 WEB
International dictionary of data communications	REF TK 5102 S25 1998 WEB
McGraw-Hill circuit encyclopedia	REF TK 7867 L463 WEB
McGraw-Hill dictionary of scientific and technical terms	REF Q 123 M34 2003 WEB
McGraw-Hill encyclopedia of science & technology – 20 vol.	REF Q 121 M3 2002 WEB
Modern dictionary of electronics. 7 th ed.	REF TK 7804 G67 1999 WEB
Radar technology encyclopedia	REF TK 6574 R34 1997 WEB
Routledge French dictionary of telecommunications	REF TK 5102 R68 1997 WEB
TAB encyclopedia of electronics for technicians and hobbyists	REF TK 7804 G5 1997 WEB
Telecommunications illustrated dictionary 2 nd ed.	REF TK 5102 P49 2002 WEB
Wiley encyclopedia of electrical and electronic engineering – 24 vol.	REF TK 9 W55 1999 WEB



Handbooks

Handbooks can provide both background and detailed technical information. Diagrams, formulas, algorithms, specifications, charts, tables and statistics are featured in handbooks. A handbook's index provides easy access to its contents. Current, updated handbooks are located in the reference collection while older editions are in the circulating collection. To check CLUES for specific handbooks, do a word search using a topic and the word "handbook", eg: WORD> engineer* handbook.

Circuits and filters handbook 2 nd ed.	REF TK 7867 C4977 2003 WEB
Communications handbook 2 nd ed.	REF TK 5101 C6583 2002 WEB
Complete guide to understanding electronics diagrams	REF TK 7866 L33 1989 WEB
Computer engineering handbook	REF TK 7885 C645 2002 WEB
Control techniques drives and controls handbook	REF TK 2511 D78 2001 WEB
Digital consumer electronics handbook	REF TK 7870 J87 1997 WEB
Digital consumer technology handbook	REF TK 7868 D5D478 2004 WEB
Digital signal processing handbook	REF TK 5102.9 D534 1998 WEB
Electric power distribution handbook	REF TK 3001 S47 2004 WEB
Electric power engineering handbook	REF TK 1001 E398 2001 WEB
Electrical engineering handbook	REF TK 145 E355 2005 WEB
Electrical engineer's reference book 16 th ed.	REF TK 145 E43 2003 WEB
Electrical installations handbook	REF TK 3271 E4313 2000 WEB
Electromagnetic compatibility handbook	REF TK 7867.2 K35 2005 WEB
Electromechanical design handbook. 3 rd ed.	REF TJ 163 W35 2000 WEB
Electronic instrument handbook 3 rd ed.	REF TK 7878.4 E55 2000 WEB
Electronics handbook. 2 nd ed.	REF TK 7867 E46 2005 WEB
Electro-optics handbook	REF TA 1750 E44 2000 WEB
Handbook for sound engineers. 3 rd ed.	REF TK 7881.4 H36 2005 WEB
Handbook of antennas in wireless communications	REF TK 7871.6 H345 2002 WEB
Handbook of electric motors	REF TK 2514 H26 1995 WEB
Handbook of electrical design details	REF TK 425 S35 2003 WEB
Handbook of electrical engineering calculations	REF TK 168 H36 1999 WEB
Handbook of fiber optic data communications	REF TK 5103.59 H3515 1998 WEB
Handbook of fuel cells	REF TK 2931 H34 2003 WEB
Handbook of image and video processing	REF TA 1637 H26 2000 WEB
Handbook of IS management	REF T 58.6 H342 WEB
Handbook of modern sensors	REF TA 165 F723 2004 WEB
Handbook on satellite communications	REF TK 5104 H36 2002 WEB
Handbook of sensor networks	REF TK 7872 D48H36 2005 WEB
Handbook of wireless networks and mobile computing	REF TK 5103.2 H34 2002 WEB
Loudspeaker handbook 2 nd ed.	REF TK 5983 E27 2003 WEB
MEMS handbook	REF TJ 151 M46 2002 WEB
Motor control electronics handbook	REF TK 7881.2 M68 1998 WEB
National electrical code 2002	REF TK 260 N45 2002 WEB
Power electronics handbook	REF TK 7881.15 P67 2001 WEB
Reference manual for telecommunications engineering. 3 rd ed. – 2 vol.	REF TK 5102.5 F68 2002 WEB

Robust electronic design reference book	REF TK 7870 B353 2004 WEB
Signal processing for mobile communications handbook	REF TK 5102.9 S5427 2005 WEB
Standard handbook of audio and radio engineering	REF TK 7881.4 S72 2002 WEB
Standard handbook of broadcast engineering	REF TK 6550 S78 2005 WEB
Standard handbook for electrical engineers 14 th ed.	REF TK 151 S7 2000 WEB
Standard handbook of engineering calculations	REF TA 332 S73 1995 WEB
Standard handbook of video and television engineering	REF TK 6642 S73 2003 WEB
Taguchi's quality engineering handbook	REF TS 156 T343 2005 WEB
Technology management handbook	REF T 49.5 T4454 1999 WEB
Telecommunications engineer's reference book. 2 nd ed.	REF TK 5101 M37 1998 WEB
Telecommunications handbook	REF TK 5101 T355 2000 WEB
VLSI handbook	REF TK 7874.75 V573 2000 WEB
Wireless broadband handbook	REF TK 5103.2 B38 2001 WEB

Databases and Indexes to Periodicals

These resources enable you to identify articles from periodicals (journals) and conferences. They generally provide author and subject indexes, and some also have a classification system. Some databases provide access to online full-text articles, while other provide citations to the articles. Article citations contain the name of the periodical or conference, as well as the date of publication, volume, issue and page numbers. In order to locate a periodical, check CLUES under **Journal Title** to see if the periodical is available at Concordia. To locate a conference, do a **Word** search in CLUES using words from the conference name. Periodicals and conferences that are not available at Concordia may be requested through **Inter-Library Loan**

- For more details on locating articles and using indexes consult: <http://library.concordia.ca/help/howto/perindex.html>

ACM Digital Library

Covers the publications of the Association for Computing Machinery (ACM) in a wide range of subjects including software engineering, networking, wireless communications, and information technology. ACM Digital Library provides online fulltext access to articles from ACM publications.

ACM Digital Library: 1985-current year	DATABASE	
Webster Index: 1975-1997	PRINT INDEX	INDEX QA 76 B486

Compendex

Comprehensive international index with abstracts covering all engineering disciplines.

Compendex: 1970-current year	DATABASE	
Webster Index: 1920-current year	PRINT INDEX	INDEX TA 1 E575
Webster Microfilm: 1884-1919		

IEEE Xplore

Covers journals, conference proceedings, and standards of the Institute of Electrical and Electronic Engineers (IEEE) and the British-based Institution of Electrical Engineers (IEE). Fulltext content from 1988.

IEEE Xplore: 1988-current year	DATABASE	
Webster Reference: 1969-onward	PRINT INDEX	REF TK 7800 I5+

INSPEC

Citations with abstracts to literature in physics, electrical engineering, electronics and computing and information technology. Includes technical journals, conference proceedings, books and reports. Contains Physics Abstracts, Electrical and Electronics Abstracts and Computer and Control Abstracts. Updated quarterly.

INSPEC: 1989-current year	DATABASE	
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