

EE 100 01 Electrical Engineering Library Resources

Library Information: M. Louis Salmon Library
301 Sparkman Drive NW
Huntsville, AL 35899
256.824.6530

Engineering Librarian: Annette Parrish, Salmon Library, Rm. 223.
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IEEE Potentials Magazine: *IEEE Potentials* is the publication for future innovators. This award-winning magazine for up-and-coming electrical and computer engineers explores career strategies, the latest research and important technical developments. *IEEE Potentials* releases theories to practical applications and highlights technology's global impact.
<http://libsys.uah.edu:2071/xpl/RecentIssue.jsp?punumber=45>

Remote Access: <http://libsys.uah.edu:2048/login>

You may login to library databases off campus via the URL above *or* individually through each database you enter *or* as you enter *Super Search*. Your login is your last name. Your password is your Student id or A number.

Databases: <http://lib.uah.edu/onlinedatabases/index.html>

The *Salmon Library Database Finder* displays subject databases within the Library's collections. However, you must consider your topic to determine the appropriate database(s). You may discover *ABI Inform* holds more on your subject than Compendex Web.

Journals: <http://lib.uah.edu/journals/index.html>

At the UAH Library, journals are primarily e-journals. To check library journal holdings, type the title of your journal in the text box found on the web site listed above. To browse journals, *Click* the link at the bottom of the page "Browse Subjects." For more information see the engineering librarian.

Trade Journals:

What are Trade / Professional Journals?

- articles focus on issues associated with a particular business or industry
- articles generally are not a reflection of original research, but rather report on events or issues
- articles generally provide journalistic, rather than academic coverage
- articles are not peer reviewed
- publish job listings
- articles may have very few or no footnotes
- contain news or information of interest to people in that profession or industry
- contain advertisements aimed at people in that profession or industry

Examples: *Advertising Age, Aerospace Daily & Defense Report, Satellite Today, Telecomworldwire, Wireless News.*

To search trade journals go to the following databases:

- *ABI/INFORM Complete* – go to *More Search Options*. Change *Publication Type* to *Trade Publications* & then enter your search topic at the top of the page.
- *Business Source Premier*- look to the right side of the screen, Scroll down under "Publications" Click "Trade Publications."

EE 100 01

Electrical Engineering Library Resources

Books: <http://librarycatalog.uah.edu/>

In the Salmon Library, print books are arranged on library shelves according to the Library of Congress (LC) classification system. This call number uniquely identifies the item and places it on shelves near other material on the same subject. The schedule below provides an overview of engineering related call numbers.

GB Physical geography. 651 – 2998 Hydrology. Water.	TA Engineering (General). Civil engineering. 349 – 359 Mechanics of engineering. Applied mechanics. 401 – 492 Materials of engineering and construction. 630 – 820 Structural engineering. Geotechnical engineering.
GC Oceanography. 1000 – 1581 Marine resources. Marine pollution.	1501 – 1820 Applied optics.
HD Industry, companies and management.	TC Hydraulic engineering.
HE Transportation and Communication	TD Environmental engineering.
Q Science (General). 180 Operations research. 300 – 390 Artificial intelligence. Information theory.	TE Highway engineering. Roads and pavements.*
QA Mathematics. 75 – 76 Computer science. 801 – 939 Analytic mechanics. Fluid mechanics.	TF Railroad engineering and operations.*
QC Physics.	TG Bridge engineering.*
QD Chemistry.	TH Building construction.
QE Geology.	TJ Mechanical engineering and machinery. 163 Power resources. Energy conservation. 210.2 – 225 Robotics. Control engineering.
R Medicine. 856 – 857 Biomedical engineering. Electronics.	TK Electrical engineering. Electronics. Nuclear engineering. 5101 – 6720 Telecommunications. 7800 – 8360 Electronics. 9001 – 9401 Nuclear engineering.
Instrumentation. 895 – 920 Medical physics. Medical radiology. Nuclear medicine.	TL Motor vehicles. Aeronautics. Astronautics.
T Technology. 55.4 – 60.8 Industrial engineering. 385 Computer graphics.	TN Mining engineering. Metallurgy.
	TP Chemical technology.
	TS Manufacturing. 155 – 194 Production management. Operations management.
	VM Naval architecture. Shipbuilding. Marine engineering.

Electronic books are available through [netLibrary](http://www.netlibrary.com) – <http://www.netlibrary.com>. Salmon library owns a collection of 50,000+ e-books accessible through [netLibrary](http://www.netlibrary.com).

Patent Resources:

- ▶ *USPTO Patent Database* <http://patft1.uspto.gov/netahtml/PTO/search-bool.html> This link goes to the *USPTO Quick Search*. Type “biometrics” & run a search on this term. How many hits do you retrieve? Now try refining your search. Click your browser’s “Back” button until you reach your original search screen. Change “Field 1” from “All Fields” to “Abstract” And Click Search. How many records did you locate now?!
- ▶ *Compendex Web* -database
- ▶ *LexisNexis Legal Research*-database
- ▶ *Super Search* – academic database search software/ portal

SuperSearch:

- ▶ <http://libsys.uah.edu:2581/agent/login.asp?cid=uah&lid=uah>
- ▶ cross-platform search application that allows simultaneous searching of multiple selected databases
- ▶ Use Search Qualifiers to narrow the scope of your search
- ▶ View "hit lists" (Title Lists, Term Lists) and Full Record Displays of search results
- ▶ Submit interlibrary loan requests and track in-process requests