Science and Engineering Library
Your Information Center

Science and Engineering Library Services

- Access to books and periodicals
- 44 open access computers
- 2 copiers, 2 networked printers, and 1 scanner
- 18 laptops and 4 graphing calculators available for checkout
- 3 group study rooms and open group study areas
- Reserve book section to support classes
- Reference assistance available on demand or by appointment
- Library instruction or tours available by appointment
- Online help via chat
- Subject area guides and blogs
- Hours:
  Monday - Thursday 8:00 a.m. - Midnight
  Friday 8:00 a.m. - 8:00 p.m.
  Saturday 10 a.m. - 8:00 p.m.
  Sunday 1:00 p.m. - 11:00 p.m.
Finding What You Need

- Subject Guides
- UTA Library Catalog
- Databases
- Google Scholar
- Other Tools and Websites
- Your Reference Librarian

Subject Guides

- [http://libguides.uta.edu/](http://libguides.uta.edu/)
- Refers out to selected tools such as databases, dictionaries, encyclopedias, handbooks, guides, etc.
- Created by the subject reference librarian
- Updated on a regular basis to add new resources and items of interest
- Hard copy summary available at the library
UTA Library Catalog

- [http://pulse.uta.edu/](http://pulse.uta.edu/)
- Includes all books, journals, magazines, conference proceedings, and electronic resources owned by UTA
- Searchable by keyword, author, title, ISSN, ISBN, call number
- Gives access to reserved items by class, department, and professor
- Gives access to new book list
- Supports process of recalling stored items from Library Collections Depository
- Supports an account feature for saving searches, creating search preferences, and listing information on checked out items, requests, and fines

UTA Databases

- Listing of all UTA databases
  [http://library.uta.edu/JDBC/DBs/dbAtoZ.jsp](http://library.uta.edu/JDBC/DBs/dbAtoZ.jsp)
- Organized by journal and then by articles within journals
- May include conference papers, books, etc.
- Journal listing can be found here - [http://utalink.uta.edu:9003/UTAlink/az](http://utalink.uta.edu:9003/UTAlink/az)
- Be aware of overlap between databases
- Search functionality will differ between databases
- Structure your searches with care
- Off campus use will require your NetID and password
Key CSE Databases

- ACM Digital Library - Almost all ACM publications, 1954-Present
- Compendex - 5,600 engineering journals and conference materials
- INSPEC - Citations for 8 million articles
- IEEE Xplore - 1 million full text articles
- Science Citation Index - 6,000 journals from 1975-Present
- ScienceDirect - 7 million full text articles
- SpringerLink - Over 400 science and technology journals
- ProQuest Dissertations and Theses - 2 million citations
- WorldCat - Great source for finding almost anything
- RefWorks - Use this to manage your bibliography or sources

ACM Digital Library

- Disciplines - Almost exclusively CSE
- Coverage - Virtually all ACM journals, magazines, proceedings, transactions, etc. (1954- )
- Full-text - All records
- Truncation - Asterisk (*)
- Keywords - See listing of keywords under individual citations on the list of search results
**Compendex**

- Disciplines - All areas of engineering
- Coverage - Over 9,000,000 citations from over 5,000 journals and conference proceedings (1969-Present)
- Publication Types - Emphasis on journal articles and conference papers; also includes book chapters, reports, pre-1970 patents
- Full-text - Click yellow “Full Text” button next to citation
- Unique Features - Use quotation marks for phrases; use “Refine Results” to make search more focused
- Truncation - Asterisk (*)
- Keywords - Click article’s “Abstract” to find *Ei Controlled Terms*, or click article’s Detailed Record for additional “uncontrolled” terms

**Inspec**

- Disciplines - Computer Science; also Electrical Engineering, Physics, Manufacturing Engineering
- Coverage - Over 9,000,000 citations (1968- )
- Publications - 4,000+ journals, 2,000+ conference proceedings
- Full-text - Some available directly from INSPEC, as well as some “CrossRef” links to other databases
- Unique Features - “Narrow Results by Subject” (similar to “Refine Results” in Compendex)
- Truncation - Asterisk (*)
- Keywords - Click an article’s title to find *INSPEC Headings* and *Key Phrase Headings*
### IEEE Xplore

- **Disciplines** - Primarily CSE and EE
- **Coverage** - Over 1,000,000 IEEE and IEE citations. Mainly post-1987 (1950-)
- **Publications** - Journals, magazines, proceedings, IEEE standards
- **Full-text** - All records
- **Truncation** - Asterisk (*)
- **Keywords** - Click an article’s “Abstract” to find “Index Terms”
- **Cross-references** - Click an article’s “Abstract” to find other documents that cite the article (“Citing Documents”)
- **Only shows other IEEE Xplore articles**

### ScienceDirect

- **Disciplines** - All, with an emphasis and science and engineering
- **Coverage** - Over 8,000,000 full-text articles (1995-)
- **Publication Types** - Over 2,000 journals
- **Truncation** - Exclamation mark (!)
- **Keywords** - Click an article’s “SummaryPlus” or “Abstract” link to find **Keywords** (usually found under the article’s abstract)
- **Cross-references** - Click “Cited by” link (on right side of abstract page) to find other documents that cite the article
**Science Citation Index Expanded**

- Disciplines - All areas of science and engineering
- Coverage - Citations from approximately 6,000 journals (1975- )
- Truncation - Asterisk (*)
- Keywords - Click purple “Web of Science” button for Author Keywords and/or KeyWords Plus
- Cross-references - Click Times Cited link within article citation to find other documents that cite the article
- Unique Features - Cited Reference Search allows you to see a list of an author's works, and how often they have been cited
- Use quotation marks for phrases

**SpringerLink**

- Disciplines - All
- Coverage - Approximately 2500 journals and e-books
- Full-text - Most records
- Truncation - Asterisk (*)
- Keywords - Listed under individual article abstracts
- Unique Feature - Includes Lecture Notes in Computer Science series (emphasis on conference proceedings)
**ProQuest Dissertations and These**

- Disciplines - Dissertations (and some theses) from all disciplines
- Coverage - Over 2,000,000 citations from 1,000+ institutions; mainly from North America (1861-)
- Full-text - Available for recent titles (1997-)
- Truncation - None
- Keywords - None available; check dissertation abstract for hints

**WorldCat**

- Disciplines - All
- Coverage - Approximately 32,000,000 items cataloged globally
- Full-text - None available
- Truncation - Asterisk (*)
- Keywords - None available; searching can be done by subject area
- Unique Feature - Ability to search globally for resources and tabbed environment to segment by resource type
RefWorks

- Allows you to create a personalized database of citations (RefWorks account required)
- Import citations from many UTA Libraries databases (automatic download or import from saved text file)
- Create folders to divide imported citations by topic
- Perform searches, like in library databases
- Automatically develops bibliographies or “reference lists” from folders

Google Scholar

- [http://scholar.google.com/](http://scholar.google.com/)
- Make sure your preferences are set for UTA and WorldCat
- May give you access to full text version of the article, if available at UTA
- Gives citation counts, list of citing articles, links to related articles, and direct link to RefWorks
Other Tools and Websites

• Online books - Safari, NetLibrary, ENGnetBASE
• TexShare - Use resources from other Texas libraries
• Interlibrary Loan - Get items that UTA does not current hold
• UTA Library website - http://library.uta.edu/
• SEL website - http://library.uta.edu/ sel/
• CSE/ EE/ MSE/ IMSE/ Physics Blog - http://blog.uta.edu/~mmedina/

Your Reference Librarian

Mariann Medina
mmedina@uta.edu
817-272-2698
B03E Nedderman Hall

• Available to assist you by appointment or walk in basis
• Maintain subject guides
• Work with library liaison to acquire new materials
• Maintain reference materials
• Blogging on resources and tools
Things to Remember...

• We are here to help you
• Successful projects are based on successful research
• Not everything can be found with Google or Yahoo! and not everything found with Google or Yahoo! is authoritative

Just ask, we can help!