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/**
- 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/
- 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
- 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
- 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/**
- **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!