



Engineering Library Progress

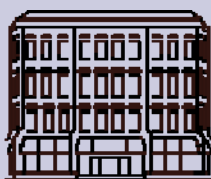
Autumn 2006

Volume 8, Issue 3

TANK

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Autumn Quarter Hours:

Mon-Thurs	8:00 am-10:00 pm
Friday	8:00 am- 6:00 pm
Saturday	9:00 am- 5:00 pm
Sunday	1:00 pm-10:00 pm

Reference Hours:

Mon-Thurs	9:00 am-8:00 pm
Friday	9:00 am-5:00 pm
Sat & Sun	1:00 pm-5:00 pm

Contact Us:

Info: 206-543-0740
Circulation: 206-685-8324
Reference: 206-543-0741
Email: englib@u.washington.edu

<http://www.lib.washington.edu/engineering/>

Tank – not the gasoline, diesel or propane kind, but rather the military variety: Sherman, Pershing, Stuart, Patton or Abrams, for example. During part of the fall quarter, it will sound at times like we have one of the above loose somewhere in the Engineering Library. Only 5½ years after the Nisqually earthquake left almost all of our shelving looking like the Leaning Tower of Pisa on a bad day (see pictures from shortly after the earthquake of February 2001 at <http://www.lib.washington.edu/engineering/photos.html>), all of that old shelving is now going to be replaced.

Starting Monday, October 16th, and continuing for about four weeks, the shelving on our second floor (where our journal collections are) will be replaced with compact (mobile) shelving. A portion of the collection on that floor will be moved onto 60 large wheeled book trucks, then the shelving which held that material will be broken down and the frames discarded. The carpeting in that area will be removed and tracks and decking for the mobile installation will be installed. That installation will involve securing the tracks for the mobile shelving into our concrete floors with large bolts and a roto hammer (thus the comparison to a tank running loose in the building). Once the tracks and decking are installed, new shelving bases and frames will be mounted on the tracks, the shelves will be put back on, and then the journal volumes will be put back onto the shelves. The crew doing the installation will then move on to another section of the floor and repeat the process until all the shelving on the second floor has been replaced.

We realize that this is not the ideal time for this sort of work to be happening, but the timing for at least part of this project is largely out of our control. We suggest that you warn your students whenever you can that, at times between 9:00 a.m. and 4:00 p.m. Monday – Friday, from mid-October until about Veterans Day, it might be difficult to study or do other work in the Engineering Library, particularly on the 1st and 2nd floors.

Once the second floor shelving replacement is completed, that will end the disruption for the fall quarter. Crews will come back into the library to begin replacing the shelving on the 1st, 3rd, and 4th floors immediately after the end of finals week. But the new shelving on those three floors will be standard shelving instead of compact/mobile. As a result, the replacement will go much more quickly on those floors, with the total estimated work time for all three floors being three weeks or less. That will mean the shelving replacement for those floors should be complete by around the end of the first week of classes of winter quarter.

The primary impacts to you and your students' teaching, learning and research will be two-fold.

1. During the weekdays when the crew is working on the replacement, there will definitely be noise at times, at times some VERY significant noise.
2. During the period a crew is working on a particular floor, starting with the 2nd floor in October, ONLY the work crew and Engineering Library staff will be allowed access to that floor. Direct access to that floor by users will not be permitted due to safety concerns. We will set up a paging system to provide our users with access to materials.

We realize this will be a disruption and an inconvenience to anyone trying to use our collections, services and facilities, and we apologize in advance for that. We will do our best to minimize the overall impact on our users. If you have questions, please contact me.

Mel DeSart
Head, Engineering Library
desart@u.washington.edu

COMING SOON: AIAA PAPERS ONLINE

The Engineering Library has over 40 years of AIAA papers, both in print (1963-1974) and in microfiche (1975-2006). But electronic access is on the way! While some recent content is already available electronically, in the next few weeks the amount of e-content will expand to cover AIAA papers from 1996 to date. Search the Libraries catalog (<http://catalog.lib.washington.edu/search~/>) for the title "AIAA paper" and click on the link to the full-text!



NEW DATABASE TRIALS

The Engineering Library is currently running trials on four new databases and your input is requested on how useful they would be for your teaching and/or research. The databases under consideration for purchase are:

- Environmental Sciences and Pollution Management
- Environmental Impact Statements Full-Text
- CINDAS Microelectronic Packaging Materials Database
- CINDAS Thermophysical Properties of Matter Database

Environmental Sciences and Pollution Management is an interdisciplinary database covering the environmental sciences. This database complements our existing subscriptions to Water Resources Abstracts, Aquatic Sciences and Fisheries Abstracts, and Environmental Engineering Abstracts for complete coverage of this important area of research.

Environmental Impact Statements Full-Text & Digests contains full-text, including maps, of all Environmental Impact Statements issued from 2003-present. Digests are summaries of key issues from complex government-released Environmental Impact Statements from 1985-present.

The **CINDAS Microelectronic Packaging Materials Database** contains data on thermal, mechanical, electrical and physical properties of electronics packaging materials. This database was developed under the sponsorship of the Semiconductor Research Corporation, and is searchable by mate-

rial group, material name, property group, property name and independent variable. Graphing capabilities allow users to compare the same property of multiple materials or the same material under different conditions. This database contains properties of over 750 materials and over 15,000 data curves.

The **Thermophysical Properties of Matter Database**, a "companion" database to the Microelectronics Packaging Materials Database, contains thermophysical properties of over 5,000 materials, from "animal and vegetable substances," to ceramics, semiconductors, and titanium alloys. This database features the same search capabilities as the Microelectronics Packaging Materials Database and the same dynamic graphic capabilities as well. This information contained in this database is currently available in the 13-volume *Thermophysical Properties of Matter* set in the Engineering Library's reference collection (QC171.P83).

To access these databases, go to <http://www.lib.washington.edu/engineering/trials/>. Access is by IP authentication, so make sure you are on the campus network or log onto the UW Libraries' proxy server (click on the "off-campus access" button located in the upper right hand corner of the page) to obtain access.

Try them out and let us know what you think! But hurry, the trial ends on **October 20th, 2006!** Send your opinions about these databases to Mel DeSart (desart@u.washington.edu).

Wireless Librarian @ the Allen Center Atrium



Starting this Autumn Quarter, the CSE/EE Librarian, Linda Whang, can be found in the atrium of the Paul Allen Center on Tuesdays from 11am-1pm to answer any and all sorts of questions you may have.

So bring your questions about ACM, IEEE Xplore, connecting from home, or the answer to 13 Down in last Friday's New York Times crossword puzzle, and try to stump the librarian!

The first 10 people to ask a question each week will receive a prize!

ENGINEERING LIBRARY AUTUMN CLASS SCHEDULE

Library Tours

Take a look around the library and find out about the library's collections and services. These short tours will be especially useful for those who are new to the UW campus or the College of Engineering.

Wednesday, Sept. 27, 12:00-12:30 pm Thursday, Sept. 28, 9:00-9:30 am
 Tuesday, Oct. 3, 9:00-9:30 am Thursday, Oct. 5, 12:00-12:30 pm

Tours are also available by appointment. Contact Linda Whang (lcwhang@u.washington.edu or 685-8370) to schedule a tour.



Effective Database Searching Techniques

Learn how to construct effective search strategies to get the most out of engineering databases such as Compendex, Inspec, NTIS, Transport, etc. The class will cover search techniques that can be used in a variety of engineering databases.

Monday, Oct. 9 Tuesday, Oct. 24
 3:30-5:00 pm 5:00-6:30 pm

Introduction to Engineering Databases

This one-hour session will go over the basic steps of doing a search for engineering research literature-- from choosing a database, constructing a search, and finding the articles or papers (online or in print). Bring a topic to research.

Thursday, Oct. 19 Wednesday, Nov. 8
 9:00-10:00 am 5:00-6:00 pm

Introduction to Patent Searching

An introduction to patent searching. Our patent expert will take you through the process step-by-step, showing how to search the USPTO's Patent Database (www.uspto.gov) using both print and electronic resources.

Wednesday, Oct. 11 Tuesday, Nov. 28
 2:00-4:00 pm 4:30-6:30 pm



Register:

Register by email to lcwhang@u.washington.edu listing which class(es) you would like to attend with date(s) and time(s), or by calling 685-8370.

All classes will be held in the Engineering Library Instruction Center (ELIC), on the 3rd floor of the Engineering Library.

Class schedule is available on the web at <http://www.lib.washington.edu/engineering/classes/classes.html>.

Searching Compendex

Compendex is the most comprehensive index available for journal articles, technical reports, and conference papers on all engineering topics. Attend this half-hour session to get an overview of the database and find out how to set up email alerts and search Inspec and Compendex simultaneously (and de-dupe the results!).

Monday, Oct. 16 Tuesday, Oct. 31
 5:00-5:30 pm 9:00-9:30 am

Searching Inspec

Inspec is the most comprehensive index available for journal articles and conference papers in the physical sciences, electrical engineering, and computer science. Attend this half-hour session to get an overview of the database and find out how to set up email alerts and search Inspec and Compendex simultaneously (and de-dupe the results!).

Tuesday, Oct. 24 Monday, Nov. 6
 9:00-9:30 am 5:00-5:30 pm

Searching IEEE Xplore (IEEE/IEE Electronic Library Online)

IEEE Xplore provides full-text access to IEEE transactions, journals, magazines and conference proceedings published since 1988 and all current IEEE Standards. Attend this session to get an overview of this online library, and find out how to make the most of the time you spend searching.

Wednesday, Nov. 1 Tuesday, Nov. 21
 5:00-5:30 pm 9:00-9:30 am



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WE'RE ON THE WEB!
[WWW.LIB.WASHINGTON.EDU/
ENGINEERING/](http://WWW.LIB.WASHINGTON.EDU/ENGINEERING/)

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by Engineering Library staff.**

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**Engineering Library Progress is available online at
<http://www.lib.washington.edu/engineering/elp/>**

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munication

**Contact the library
liaison for your department
with purchasing suggestions
or for class specific instruction**

WHERE DO ENGINEERING STUDENTS FIND INFORMATION?

Ever wonder where your students are finding the information they need for your classes? The librarians in the Engineering Library, who are concerned about students finding and using reliable engineering information sources, do and last spring, we decided to find out. During spring quarter 2006, UW Engineering Librarians Julie Cook and Linda Whang, along with Industrial Engineering PhD student Theresa Barker, surveyed engineering students about their information seeking behavior.

We sent a survey to undergraduate and graduate engineering students asking them where they look for technical information for their classes and/or research and why they choose these sources of information. We received 260 responses (approx. 10% of students enrolled that quarter) and analyzed them using SPSS. The results were reported in a poster session at the ASEE (American Society for Engineering Education) conference in June (see the poster at <http://eld.lib.ucdavis.edu/conf/06/aseeposter06.pdf>).

Not surprisingly, an overwhelming majority of students begin their search using "Google or other Internet search engine." Other sources that students consult to a lesser degree are "other students or friends," "professor or TA," and "research databases." When we looked the information sources and why each one was chosen, we found that students used internet search engines and their friends/other students because they are quick, convenient, and easy to use, not because they consider them to be reliable; and they consider their professors and TA's, research databases, and library collections to be reliable sources of information.

So what does this mean for you? As a professor or TA, since you are considered very reliable sources of information for the students (isn't that a relief!), you can do a great service to your students by making them aware of other reliable sources of information—the library's collections and databases for example. Some ways that you can do this are:

- Familiarize yourself with the library's resources in your subject area (see the subject page for your discipline at <http://www.lib.washington.edu/subject/>)
- Consult your department's librarian when designing assignments for your students to introduce them to the most current resources available
- Invite a librarian to come to your class to demonstrate some of the resources available to them
- Encourage undergraduates to apply for the Library Research Award for Undergraduates (see below)

Together we can educate our students to make better, more informed, information choices that will benefit their learning and their careers as engineers.

LIBRARY RESEARCH AWARD FOR UNDER- GRADUATES

The UW Libraries is again offering the Library Research Award for Undergraduates. Category 1 (Freshmen/Sophomores/ Juniors) are eligible for a \$750 award; Category 2 (Seniors) are eligible for a \$1000 award.



Applicants must be UW undergraduates and submit work for courses taken in Spring Quarter 2006 through Spring Quarter 2007. Each applicant must use library resources and tools in the completion of their project. Students from all disciplines are invited to apply. The deadline is **May 21, 2007 at 5pm**. Visit the Research Award web site at <http://www.lib.washington.edu/researchaward/>.