Engineering Library Progress

Spring 2004 Volume 6, Issue 2

Touch and Go

That describes what our materials budget situation is like right now – touch and go. While we cancelled journals and freed up money from other sources to meet our budget shortfall last year, we're unfortunately going to be back in that same situation this year, in large part because of the continued devaluation of the dollar against other world currencies. What were projected to be 6-9% serial price increases for 2005 are now, from publishers to whom we have to pay for subscriptions in something other than the dollar, projected to be well into double digits for 2005.

Dealing with a mid-biennial shortfall is doubly painful. The Libraries historically have tried to address any budget shortfall prior to the start of each new biennium. By dealing with it then, any serials that are cancelled generate a credit toward the shortfall that is *twice* the previous year's subscription cost for those serials, since we wouldn't be paying for the cancelled titles in either year of the biennium. In that situation, meeting a $100,000 materials budget shortfall entirely from serial cancellations would require cancellation of "only" $50,000 in subscriptions. However, because we're being forced to deal with a shortfall in mid-biennium, covering a $50K shortfall will require actually freeing up $50K, much of which will need to be generated by serial cancellations. More details will be forthcoming as the budget picture for next year becomes clearer and a shortfall target is determined. Engineering Library staff very much appreciate your participation, cooperation and understanding as we move through this process yet again.

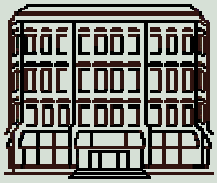
But not everything on our front is so grim. For much better news, see more about the following items on page 2 of this issue of ELP:

- We have actually been able to *add* access to a number of new databases (for less than $500/yr) in a special offer from the database provider.
- Since the Libraries equipment budget is separate from the materials budget, we were able to secure funding for furniture that enables us to open two new group study rooms, both on the second floor. Our group study rooms have proven **very** popular, so we're hoping the opening of these two new rooms will address an ever-increasing need.
- The Engineering Library secured funding for and has received and networked a microform reader/printer/scanner. This will improve access to the Engineering Library's collection of over one million documents on microfiche and microfilm, mostly government technical reports.

Finally, at the start of each new quarter we want to remind you that we are always prepared to offer instruction sessions for your classes. Contact the librarian appropriate to your subject area (see the list on p. 4) to discuss or arrange a session.

Mel DeSart
Head, Engineering Library

INSIDE THIS ISSUE:



Spring 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
Saturday & Sunday
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/

NEW ENGINEERING DATABASES

CSA Technology Research Database: a comprehensive database that searches *all* the databases available through the CSA Materials Research Database, CSA High Technology Research Database, and the CSA Engineering Research Database. So, when searching this database, you are really searching **17** databases at once! Choose this database when you want very broad subject coverage or for an initial literature search of interdisciplinary topics.

Eight of the seventeen databases searched by the metadatabase above are new to the UW. Of course these can also be searched individually, and are listed on the Engineering Library Databases webpage (*http://www.lib.washington.edu/engineering/guides/englibdb.html)*. They are:

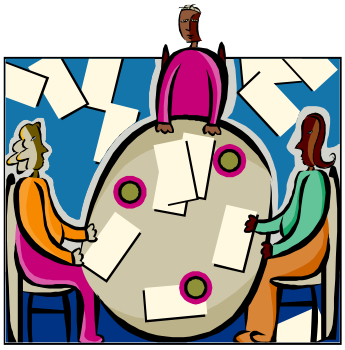
- ANTE: Abstracts in New Technologies and Engineering
- Civil Engineering Abstracts
- Earthquake Engineering Abstracts
- Environmental Engineering Abstracts
- Mechanical and Transportation Engineering Abstracts
- Computer and Information Systems Abstracts
- Electronics and Communications Abstracts
- Solid State and Superconductivity Abstracts

Searched separately or together, these databases will complement other Engineering research databases such as Compendex, Inspec, and NTIS.

NEW STUDY ROOMS & MICROFORM SCANNER

The Engineering Library has recently added **two new group study rooms** on the second floor, bringing the total number of group study rooms in the library to seven. Group study rooms are available on a first-come, first-served basis. Most group study rooms have a white board (markers can be checked out at the Circulation Desk), and Ethernet ports are available in the 4th floor study rooms and in Room 203 on the second floor.

We have also added a networked **microform reader/ printer/scanner** on the first floor of the library. This machine will allow you to scan microfiche or microfilm and create image files which can be saved to a disk, emailed, or printed to the networked laser printer ($.08/page). This opens up options for saving, storing, and distributing microform content electronically. Ask at the Reference Desk for assistance with this machine.



LIBRARY TIP...

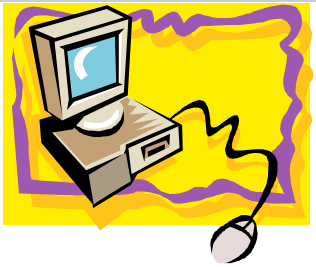
Ever come across a reference that looks like *Angew. Chem. Int. Ed.*, *Int. J. Comput. Vis., Berichte Deut. Keram. Ges., J. Hydr. Res.,J. Eng. Math.,* or *IEEE Trans. Prof. Commun.**, and wonder what the heck these titles are?

Well, never fear, because **jake** is here! **Jake** (jointly administered knowledge environment) will translate these cryptic abbreviations into intelligible journal titles! You can then search for these titles in the UW Libraries' Catalog (*http://catalog.lib.washington.edu/*) to see if we have the articles you need.

Jake is available at *http://jake.med.yale.edu/.*

* Translated titles: *Angewandte Chemie, International Edition*; *International Journal of Computer Vision*; *Berichte der Deutschen, Keramischen Gesellschaft*; *Journal of Hydraulic Research*; *Journal of Engineering Mathematics*; and *IEEE Transactions on Professional Communications*. These journals are all available in the UW Libraries!

ENGINEERING LIBRARY SPRING CLASS SCHEDULE



Library Tours

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

Tours are 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, TRIS, etc. The class will cover search techniques that can be used in a variety of Engineering databases.

Tuesday, April 13 12:30-2:00 pm
Monday, April 26 5:00-6:30 pm

Introduction to Engineering Research

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.

Wednesday, April 7 5:30-6:30 pm
Saturday, April 24 12:30-1:30 pm

Introduction to Patent Searching

This is 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.

Tuesday, April 27 12:30-2:30 pm
Wednesday, May 26 5:00-6:30 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, unless otherwise noted.

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

Searching Compendex on Engineering Village 2

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!).

Tuesday, April 13 5:30-6:00 pm
Monday, April 26 12:30-1:00 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.

Tuesday, April 20 5:30-6:00 pm
Monday, May 3 12:30-1:00 pm

Searching Inspec on Engineering Village 2

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!).

Monday, April 19 12:30-1:00 pm
Tuesday, May 4 5:30-6:00 pm

University Libraries
UNIVERSITY OF WASHINGTON

Engineering Library
Box 352170
University of Washington
Seattle, WA 98195-2170

Phone: 206-543-0740
Fax: 206-543-3305
Email: englib@u.washington.edu

WE'RE ON THE WEB!
WWW.LIB.WASHINGTON.EDU/ENGINEERING/

Engineering Library Progress is produced quarterly 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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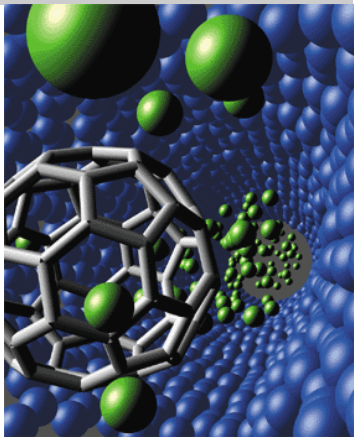
Contact the library liaison for your department with purchasing suggestions or for class specific instruction

NANOTECHNOLOGY RESOURCES



Nanotechnology, the science of building microscopic electronic and mechanical devices at the molecular or atomic level, is a hot topic at the University of Washington, and the UW Libraries is doing its part to support research and teaching in this exciting new field.

Last year, librarians from the Engineering, Chemistry, and Physics/Astronomy Libraries received new program funding to purchase nanotechnology research materials. With these funds, we initiated a subscription to the journal *Nature Materials* and added several new books and conference proceedings in the areas of nanoscience and nanotechnology. Some of the new resources available in the UW Libraries:

Journals:
Fullerenes, Nanotubes, and Carbon Nanostructures
Journal of Nanobiotechnology
IEEE Transactions on Nanotechnology
Nano Letters
Nanostructured Materials
Nanotechnology
Nature Materials
Physica E. Low-Dimensional Systems and Nanostructures
And many more...

Conference Proceedings:
Advanced Characterization Techniques for Optics, Semiconductors, and Nanotechnologies (SPIE)
Bio– Micro- and Nanosystems (American Society for Microbiology)
BioMEMS and Bionanotechnology (Materials Research Society)
International Conference on MEMS, NANO and Smart Systems (IEEE)
And many more...

Reference Resources:
Dekker Encyclopedia of Nanoscience & Nanotechnology (Coming Soon)
Handbook of Nanophase and Nanostructured Materials
Handbook of Nanoscience, Engineering, and Technology
Handbook of Nanostructured Materials and Nanotechnology
Handbook of Micro/Nanotribology
Nanoelectrodynamics
Optical Nanotechnologies
And many more...

To locate these items, check the UW Libraries Catalog (*http://catalog.lib.washington.edu/*). If you would like to recommend specific titles or useful Nanotechnology web sites, please contact one of the Nanotechnology subject librarians: Susanne Redalje (*curie@u.washington.edu*), Pam Yorks (*yorks@u.washington.edu*), or Linda Whang (*lcwhang@u.washington.edu*).