



# Engineering Library Progress

Spring 2006

Volume 8, Issue 2

## TRILOGY

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### 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](mailto:englib@u.washington.edu)

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

Three items for your consideration this time around, all of which impact the Engineering Library and its users to various degrees.

### Personnel

As of March 16<sup>th</sup> of this year, I was named Acting Head of Science Libraries, succeeding Steve Hiller, who has a new position within the UW Libraries as Director of Assessment and Planning. My new responsibilities comprise a 50% appointment and will run through June, 2007, during which time the Libraries will be taking a look at the current branch libraries reporting structure to see if any changes are needed.

I will retain my responsibilities as Head of the Engineering Library, as well as my liaison responsibilities for the departments of Aeronautics and Astronautics, Industrial Engineering, and Mechanical Engineering. But a significant portion of my reference desk time, time spent on collection development and management (book and journal purchasing), and some instruction will be picked up by a half-time temporary librarian. The person we're hiring may be familiar to some of you: Chandra Heller was a librarian in the Engineering Library from 1997-2001, when she left for a library position with AT&T Wireless in Redmond.

### Facilities

Things may get more than a little noisy around the Engineering Library during part of the summer. Over five years after the 2001 Nisqually earthquake and the resultant damage to Engineering Library shelving, that shelving is finally going to be replaced. (If you've never seen what happened to our shelving as a result of Nisqually, take a look at <http://www.lib.washington.edu/engineering/photos.html>).

Prior to the start of fall quarter, all (or nearly all) of the shelving on the 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> floors of the library will be replaced. The new shelving will be welded frame (as opposed to the bolted frame we have now) and the frames will be gusseted and anchored to the floor instead of simply sitting in place. Replacement likely will happen half a floor at a time.

During this time, some areas of the library collections will be inaccessible to library users directly. Whether Engineering Library staff will be able to access the collections during those periods has yet to be determined. We regret any inconvenience this will cause and will do everything we can to minimize the impact on our users.

### Collections

In preparation for the shelving replacement, we are currently in the midst of weeding some of the least used material from our book collection and moving it to storage. Once the weeding is completed, the entire book collection will be shifted in order to leave appropriate room for collection growth throughout the collection. As a result, you may find that collections of material will have moved from where they are located at present, including potentially being shifted from the 3<sup>rd</sup> to the 4<sup>th</sup> floor. If you have difficulty finding any of those shifted materials, please ask Engineering Library staff for assistance.

Mel DeSart  
Head, Engineering Library  
[desart@u.washington.edu](mailto:desart@u.washington.edu)

## DATABASES & ELECTRONIC RESOURCES NEWS

### NEW IEEE JOURNALS

The first issues of *IEEE Computational Intelligence Magazine* and *IEEE Transactions on Information Forensics and Security* have been published and are now available online through the **IEEE Xplore** digital library.

Computational intelligence is defined as a multi-faceted discipline dedicated to the shared knowledge of design, theory, development, and application of biologically and linguistically motivated computational models. The first issue of *IEEE Computational Intelligence Magazine* includes features on Evolutionary Computation and Evolvable Hardware.

*IEEE Transactions on Information Forensics and Security* will cover related fields such as digital rights management, content identification, transaction tracking, surveillance, networking, law enforcement, and legal and ethical issues. The first issue includes papers on human identification based on facial animation and signature verification, among others.

The table of contents, abstracts, and full text for all papers in these journals can be found in the **IEEE Xplore** digital library.

<http://ieeexplore.iee.org/>

### LIBRARY TIP

Want to know when a book in your area of research or by a particular author is added to the UW Libraries' collection? Now you can create **preferred searches** in the UW Libraries' catalog for your favorite authors, subjects, titles, or keywords. Re-run the searches whenever you choose, or receive email alerts when records matching your preferred search are added to the catalog.



Detailed instructions for setting up your preferred searches are at <http://catalog.lib.washington.edu/screens/PrefSearches.html>.

Questions? Ask us at [enlib@u.washington.edu](mailto:enlib@u.washington.edu) or call 206-543-0741.

### SPIE DIGITAL LIBRARY

The **SPIE Digital Library**, an extensive repository of more than 200,000 technical papers on optics and photonics from SPIE (The International Society for Optical Engineering) Journals and Conference Proceedings, has expanded their archive all the way back to 1990.

The contents for each SPIE publication in the SPIE Digital Library are listed below:

<i>Proceedings of SPIE</i>	Starting at Volume 1200 (1990)
<i>Optical Engineering</i>	Starting at Volume 29 (1990)
<i>Journal of Electronic Imaging</i>	Starting at Volume 1 (1992)
<i>Journal of Biomedical Optics</i>	Starting at Volume 1 (1996)
<i>Journal of Micro-lithography, Micro-fabrication, and Micro-systems</i>	Starting at Volume 1 (2002)

The Proceedings have been reorganized into seven broad technology areas:

- Astronomy and Astronomical Optics
- Biomedical Optics and Medical Imaging
- Communication and Information Technologies
- Defense and Industrial Sensing
- Electronic Imaging and Processing
- Micro- and Nano- Technologies
- Optics and Electro-Optics

Each of these areas is further divided into subtopics. You can browse the main technology areas and subfields and view a chronological listing of volumes within each area.

<http://www.spiedl.org/>

### SCIFINDER SCHOLAR UPDATE

For those of you who use **SciFinder Scholar**, the client server application that provides access to several CAS databases, including *Chemical Abstracts*, please note that as of March 31, 2006, CAS has discontinued access to the following versions of SciFinder Scholar (Mac and PC): SciFinder Scholar 2002, SciFinder Scholar 2002.1, and SciFinder Scholar 2004.

Download the current version of SciFinder Scholar (SciFinder Scholar 2006 for PC's, and SciFinder Scholar 2004 for Mac's) at:

<http://www.lib.washington.edu/chemistry/newscifinder.html>

## ENGINEERING LIBRARY SPRING CLASS SCHEDULE

### Library Tours

Find out about the Engineering Library's collections and services-- from course reserves to technical reports and standards, copiers, and study rooms. Especially useful if you're new to the UW campus or the College of Engineering.

Tours are available by appointment. Contact Linda Whang ([lcwhang@u.washington.edu](mailto: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.

Tuesday, Apr. 11  
5:00-6:30 pm

Monday, Apr. 24  
3:30-5:00 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, Apr. 13  
12:00-1:00 pm

Tuesday, Apr. 25  
12:00-1:00 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](http://www.uspto.gov)) using both print and electronic resources.

Wednesday, Apr. 19  
2:00-4:00 pm

Tuesday, May 16  
4:30-6:30 pm



#### Please note:

If you would like to take any of these classes but cannot attend at the scheduled times, please send an email to [lcwhang@u.washington.edu](mailto:lcwhang@u.washington.edu) and we will try to schedule another session.

### 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, Apr. 10  
12:00-12:30 pm

Tuesday, Apr. 25  
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 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, Apr. 18  
12:00-12:30 pm

Monday, May 8  
5:00-5:30 pm

### 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!).

Monday, Apr. 17  
5:00-5:30 pm

Tuesday, May 9  
12:00-12:30 pm



#### Register:

Register by email to [lcwhang@u.washington.edu](mailto: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>.

**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/>

## ENGINEERING DEPARTMENT LIAISONS

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Computer Science and Engineering ■  
Electrical Engineering ■ Technical Com-  
munication

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

## UNDERGRADUATE RESEARCH AWARD

The University Libraries, in cooperation with the Undergraduate Research Program, is again sponsoring the **Library Research Award for Undergraduates**. These awards recognize University of Washington students who “produce significant inquiry requiring use of information resources, the library, and its collections.”



Up to six awards will be offered. Freshmen, Sophomores, and Juniors are eligible for a \$750 award, and Seniors are eligible for a \$1000 award. Applicants must be UW undergraduates and submit work for courses taken in Summer Quarter 2005 through Spring Quarter 2006. Each applicant must use library resources and tools in the completion of the project. Students from all disciplines are invited to apply and the deadline is **5:00 pm May 22, 2006**.

Orientation sessions where students and faculty can learn more about these awards will be held in the Allen Auditorium, on the Ground floor of the Allen Library, on:

Wednesday, April 12	2:45-3:15 pm
Thursday, April 20	9:45-10:15 am
Wednesday, April 26	3:45-4:15 pm

Visit the Research Award web site at <http://www.lib.washington.edu/researchaward/>, or email [libaward@u.washington.edu](mailto:libaward@u.washington.edu) for more information.

Please encourage your students to apply!

## ENDNOTE WEB EXPRESS

For those of you use EndNote to organize your bibliographic references and citations, please note that in addition to EndNote 8, which is available on the Engineering Library's Access+ computers (the black ones on the first floor), we now also have access to the web-based **EndNote Web Express**, available through the UW Libraries' ISI Web of Science subscription.

This new, free resource is designed to store references for viewing and printing. Users can create folders and store up to 1,000 references as a “persistent list” that will remain between search sessions. You can also import references from other sources and format a reading list or bibliography in eleven different citation styles (e.g. MLA, APA, Chicago, etc.).

Benefits of using EndNote Web Express include: you can add references to your EndNote Web Express library directly from Web of Science and other ISI databases such as Current Contents and BIOSIS Previews; you can organize references in folders for access and use at any time; you can access your EndNote Web Express library from any computer with Internet access.

To use EndNote Web Express, you will need to register on the ISI Web of Knowledge site at <http://portal.isiknowledge.com/>. Then you can search Web of Science, or any other ISI database, and save references directly into EndNote Web Express from the results screen, a list of marked records, or from a full record (look for the “Save to my EndNote Web” button).