

Great Titles in Science Direct



There are lots of useful engineering books and handbooks via the Science Direct interface. It is possible to print or download and save chapters in .pdf format.

Sample titles:

[Aeronautical Engineer's Data Book](#); [Advances in Damage Mechanics](#); [Analysis and Design Principles of MEMS Devices](#); [Applied Dimensional Analysis and Modeling](#); [Advanced Mechanics of Composite Materials](#); [Handbook of Optical Constants of Solids](#); [Handbook of RF and Wireless Technologies](#)

What Can We Do For You?

What do Engineering librarians do?

- Provide research topics assistance via email, phone, appointment, drop-in, or any other format that works for you.
- Provide citation verification and locating service.
- Provide training on databases, library services, information searching skills, and any other topics that may benefit you.
- Evaluate and purchase new resources.
- Any other activities that will benefit Stanford's Engineering community.

Another New Face at the Engineering Library

The Engineering Library welcomes Rachael Valdez as the half-time Evening Circulation Supervisor. Rachael is completing her BA at San Jose State. She has experience working in the Periodicals and Circulation department of the West Valley College Library in Saratoga, and as a Front End Associate/Team Leader at the Whole Foods Market in Los Altos. Rachael started March 3rd.



Science and Technology Encyclopedias Online

The Wiley Interscience interface offers access to several multi-volume encyclopedias for science and technology. These articles are useful at giving a synopsis of a particular technology to bring you up to speed in new areas of research.

- [Encyclopedia of computational mechanics](#)
- [Wiley encyclopedia of telecommunications](#)
- [Encyclopedia of smart materials](#)
- [Encyclopedia of space science & technology](#)
- [Wiley encyclopedia of electrical and electronics engineering](#)


Farewell to HEPL

The January 30th edition of the Stanford Report contained a touching tribute to the old HEPL building which is being razed to permit construction of the new SEQ2 Engineering Quad. You can read the full story on there website.

“The bulldozers are circling, and if all goes as planned, an elder statesman of Stanford research structures will be torn down and hauled away this week. The HEPL building (originally the High-Energy Physics Laboratory, now the Hansen Experimental Physics Laboratory) will be put to rest with as much recycling as possible.

URL: <http://news-service.stanford.edu/news/2008/january30/hepl-013008.html>

On Exhibit at the Engineering Library

 [Exponent, Inc.](#) is an international firm, with a multidisciplinary team of scientists, physicians, engineers and business consultants.

The second in a series of exhibits answering the questions, “What is an Engineer?” is on display in the Engineering Library. The Winter Term exhibit features materials and project information from Exponent engineers. Exponent is a leading engineering and scientific consulting firm that demonstrates how a multidisciplinary team can provide solutions to complex technical problems. The firm, formerly known as Failure Analysis Associates, assists clients with proactive (independent third-party design evaluations) and reactive (accident/failure investigations and product recall) consulting. Exponent has over 450 consultants that hold an advanced degree, including more than 275 that have earned a Ph.D. or M.D. in their chosen field of specialization.

Exponent engineers have been proud to work on a number of significant projects, including: Boston's "Big Dig" Construction Delay Evaluation, UK Buncfield Facility Explosion, Evaluation of Artificial Joint Design, Hurricane Katrina Damage Assessment, Las Vegas Monorail Design Review, Northridge Earthquake Structural Evaluations, Portable Power Reliability Testing and Evaluation, Roller Coaster Safety Evaluation, Vehicle Crash Testing to Evaluate Real-World Design Performance, and the World Trade Center Structural and Fire Investigation.

The exhibit displays examples of project work from Exponent's Thermal Sciences, Buildings and Structures, Mechanical Engineering and Materials/Metallurgy, and Biomechanics practices. Founded in 1967, Exponent is celebrating the 40th anniversary of the firm. A copy of the video [EX⁴⁰ : an Exponent Retrospective](#) < <http://library.stanford.edu/searchcat?ckey=6994649> > is available at the Engineering Library.

For more information about Exponent, please contact Jenny Irwin at jirwin@exponent.com or visit their website: www.exponent.com

What about those Model Propellers?

With all the new staff on board at the Engineering Library, some of the old treasures of the collection are getting additional notice. The Durand-Lesley model propellers in the Engineering Library are due to make the transition to the new space. The question of where and how they will be placed is still 'up in the air'.

Meanwhile we have located the article about them for anyone who would like to know more about the origins of the collection.

You can read "[The Air-Propeller Tests of W.F. Durand and E.P. Lesley: A Case Study in Technological Methodology.](#)"

Hours - Academic Year
Mon-Thurs 9AM -10PM
Fri 9AM-6PM
Sat 9AM-5PM, Sun 2PM-10PM

Helen Josephine, Head Librarian
Email: engreference@stanford.edu
Phone: 650 723-0001

Intersession:
Mon-Fri 9AM-5PM, Closed Weekends

Summer Session:
Mon-Fri 9AM-7PM, Closed Weekends