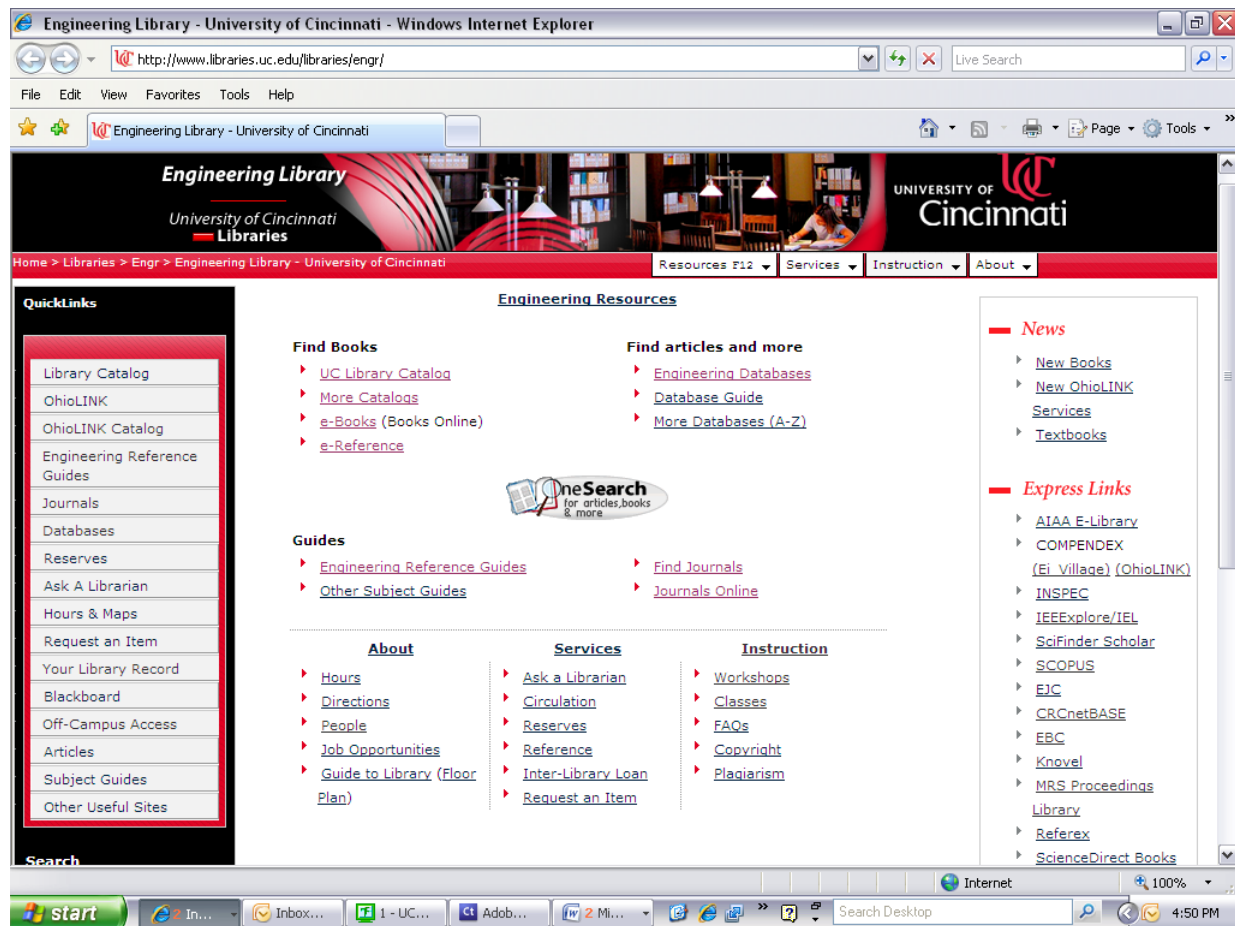


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SELECTED RESOURCES IN SCIENCE & TECHNOLOGY (RET/REU 2009)

What you need to know about ACCESS:

- Due to licensing agreements certain library resources are restricted to UC faculty, staff, and currently enrolled students.
- To access resources from off campus, or outside the campus network, you must login through the University's Central Login Service. See the following link:
<http://www.libraries.uc.edu/information/access.html>
- If you have questions with access, please contact:

Ted Baldwin, Engineering Library 556-3352 or ted.baldwin@uc.edu

Jim Clasper, Engineering Library 556-1452 or jim.clasper@uc.edu

Where to Start:

The University of Cincinnati Libraries' Engineering Library website provides detailed information about resources and services provided in science and engineering. Through the website you can access the Library Catalog, electronic full-text resources, links to valuable web resources, and contact information for Engineering Library staff who can help you find what you need. Check it out at

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<http://www.libraries.uc.edu/libraries/engr> This page can be found at:
<http://www.libraries.uc.edu/libraries/engr/instruction/classes/other/retreu2009.html>

Finding BOOKS via the library catalog and through online databases:

- The University of Cincinnati Libraries' Catalog, sometimes referred to as UCLID, is the primary source for information about the libraries collection – see <http://ucolk2.olk.uc.edu/search/X>
- The Library Catalog can be searched by author, title, keyword, subject, or call#.
- The Library Catalog not only provides information about UC's collection, but it provides the local gateway to OhioLINK. See more about OhioLINK in the next section.
- The Library Catalog also allows you to manage your library account – view your checked out items, renew books, and review and cancel holds in your name. See the following link:
<https://uclid.uc.edu/patroninfo~S39/>
- See search tips online. <http://uclid.uc.edu/screens/tips/index.html>
 - Use AND, OR, and AND NOT to relate words within a search
 - Use keyword to drill in and subject headings to expand out
 - Use keywords to find conferences, or author if you know the name of the conference
 - Use variant forms of a society when searching (e.g., EERC or Earthquake Engineering Research Center)
 - Request books from other libraries using the Request button
 - Try OhioLINK for books not available at UC <http://olc1.ohiolink.edu/search/>
 - Save/store records and view to format and export
 - Consider using RefWorks for organizing references (www.refworks.com) or use link under Express Links on Engineering website
- The Books Online link <http://www.libraries.uc.edu/libraries/engr/selfhelp/bksonline.html> offers another way to search for books if you don't know the title and when e-books are not linked through the catalog. The ability to search across entire collections of thousands of books can be a powerful research tool. Some of the e-book collections in science and engineering are:
 - CRCnetBASE
 - Knovel
 - OhioLINK Electronic Book Center
 - Referex
 - ScienceDirect books from Elsevier
 - Safari for computer books

Where to find information on the WEB:

- Google Scholar (<http://scholar.google.com>) enables you to search for scholarly literature from a broad areas of research.
- Use Google Scholar to find articles from a wide variety of academic publishers, professional societies, preprint repositories, and scholarly articles available across the web.
- Use Scirus.com (www.scirus.com) for scientific web searching
- If you are unable to access the full-text of the item, please check with the library. You may need to log into the University's Central Login Service.

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Where to find RESEARCH ARTICLES--Generic:

- Computer and Applied Science Complete (CASC) – provides indexing and abstracting for more than 1,800 academic journals, professional publications, and other reference sources from a diverse collection. Full Text is also available for more than 730 periodicals. Subject areas include the many engineering disciplines, computer theory & systems, new technologies, and social & professional context. Research is aided by the inclusion of searchable cited references for key journals. Coverage starting dates vary.
<http://search.ebscohost.com/login.asp?profile=web&defaultdb=iih>
- COMPENDEX (Engineering Index) – The EI Village version of COMPENDEX covers 1884 to the present in one database. It provides abstracts and full bibliographic citations for worldwide engineering and technical literature and encompasses all engineering disciplines, as well as related fields in science and management. The records in the database are drawn from over 2,600 published journals, conference proceedings, and individual conference papers, technical reports, monographs, and other materials.
<http://www.engineeringvillage.com/controller/servlet/Controller?CID=quickSearch&database=1>
- Academic Search Complete –scholarly, multi-disciplinary full-text database. Includes social sciences, humanities, education, computer sciences, engineering, physics, chemistry, language and linguistics, arts and literature, medical sciences, ethnic studies, and many more areas of study. Full-text for more than 6,100 scholarly publications. Coverage dating as far back as 1887. Many PDFs are searchable. Indexing and abstracts for all 9,500 journals in collection. Link to <http://search.ebscohost.com/login.aspx?profile=ehost&defaultdb=a9h>
- Scopus – indexing, abstracting, and citation searching database for science and social science scholarly literature. Includes quality web sources, conference proceedings, and trade publications. Indexes 14,500 peer-reviewed journal and 1200 open-access journals, 575 trade publications, 315 book series, 23 million patent records, and 43 million webpages. Coverage dating from 1823. Link to <http://www.scopus.com/home.url>
- Web of Science (Science Citation Index) – science database of bibliographic information indexed so that you can search for specific articles by subject, author, journal, and author address. The information stored also includes cited references (bibliography), so you can search the database for articles that cite a known author or work. Indexes more than 10,000 journals across 150 scientific disciplines. Coverage dating from 1980. Link to <http://rave.ohiolink.edu/databases/wok>

Where to find RESEARCH ARTICLES--Specialized:

- Civil Engineering Abstracts - CSA Civil Engineering Abstracts provides citations, abstracts, and indexing of the serials literature in civil engineering and its complementary fields, including forensic engineering, management and marketing of engineering services, engineering education, theoretical mechanics and dynamics, and mathematics and computation. This database provides comprehensive international coverage with the monitoring of over 3,000 serial titles as well as numerous non-serial publications going back to 1966. All records are indexed using a controlled vocabulary of about 12,500 terms and each record is also assigned a classification code which makes the record retrievable by broad subject area.
<http://www.csa.com/htbin/dbrng.cgi?username=jy14&access=jy14014&cat=civil>

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- SciFinder Scholar (Chemical Abstracts) - SciFinder Scholar is the online version of Chemical Abstracts. SciFinder Scholar is the premier abstracting service for the field of chemistry and related areas. It covers around 8,000 journals from more than 150 countries with coverage back to 1907. It indexes journal articles, book chapters, patents, conference proceedings, technical reports, substance database and dissertations covered in Chemical Abstracts. SciFinder Scholar also includes the MEDLINE database. There were more than 30,000,000 records in the database as of June 2008. This resource is also available in print from 1907-present. First time users of the electronic version must register at:
<https://scifinder.cas.org/registration/index.html?corpKey=F6ED6CEE-86F3-F00A-1167-200D24C54730>
- Environmental Sciences and Pollution Management (ESPM) – multidisciplinary collection of databases, provides unparalleled and comprehensive coverage of the environmental sciences. Abstracts and citations are drawn from over 6000 serials including scientific journals, conference proceedings, reports, monographs, books and government publications. Fifteen different environmental databases are included in this collection. Coverage varies.
<http://www.csa.com/htbin/dbrng.cgi?username=jy14&access=jy14014&cat=envtox>
- GeoRef - provides access to the geoscience literature of the world. The database indexes geoscience journal articles, books, maps, conference papers, reports, and theses. The GeoRef database covers the geology of North America from 1785 to the present and the geology of the rest of the world from 1933 to the present. The database includes references to all publications of the U.S. Geological Survey. Masters' theses and doctoral dissertations from U.S. and Canadian universities are also covered. <http://rave.ohiolink.edu/databases/login/geor>
- Mechanical and Transportation Engineering Abstracts - provides citations, abstracts, and indexing of the serials literature in mechanical and transportation engineering and their complementary fields, including forensic engineering, management and marketing of engineering services, engineering education, theoretical mechanics and dynamics, and mathematics and computation. This database provides in depth, comprehensive coverage of the international engineering literature with the monitoring of over 2,600 serial titles as well as numerous non-serial publications going back to 1966.
<http://www.csa.com/htbin/dbrng.cgi?username=jy14&access=jy14014&cat=mechtrans>
- TRANSPORT - combines the following databases: Transportation Research Information Services (TRIS) containing bibliographic citations on surface transportation modes, air transport, and highway safety; the OECD's International Road Research Documentation (IRRD) containing abstracts on highway research in OECD member countries; and the ECMT TRANSDOC database containing abstracts of transportation economics literature. The TRANSPORT collection contains over 700,000 records going back to 1968. The TRIS database is offered for free by the TRB. The free version does not index the IRRD material. <http://gateway.ovid.com/autologin.html>
- Scientific.net - includes the full text of the materials science and engineering publications published by Trans Tech Publications. Included are proceedings (also partially published in paper form), as well as research papers, letters and pre publication notices which are published only electronically. The Trans Tech series included in the database are Advanced Materials Research, Advances in Science and Technology, Applied Mechanics and Materials, Defect and Diffusion Forum, Journal of Metastable and Nanocrystalline Materials, Journal of Nano Research, Key Engineering Materials, Materials Science Forum, and Solid State Phenomena. www.Scientific.net

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Other Resources:

- FULL-TEXT JOURNALS - The “Full Text Journals” service provides direct links to full text journals. These journals are available to the libraries from a variety of vendors. The service may be used by one of two convenient methods: (1) searching for a journal title by either of four different methods or (2) browsing a simple list arranged alphabetically by the first letter of the journal title. <http://aj2vr6xy7z.search.serialssolutions.com/>
- OhioLINK Electronic Journal Center - The OhioLINK Electronic Journal Center (EJC) is a web-based service that delivers scientific, technical and medical journal content in electronic format to end users via a web browser. The EJC complements traditional paper-based journals by providing an easy-to-use web interface to many of the scientific, technical, and medical journals to which UC subscribes. The EJC now includes more than 6,000 journal titles from more than 80 publishers such as Academic Press, Elsevier, Springer-Verlag, Wiley, Kluwer, the Royal Society of Chemistry, the American Chemical Society, American Physical Society, Institute of Physics, MCB, and BioOne. <http://journals.ohiolink.edu/cgi-bin/sciserv.pl?collection=journals>
- OneSearch metasearch to search across several databases at once

Now that you’ve found your articles – MANAGE YOUR INFORMATION:

- RefWorks - an online research management, writing and collaboration tool. It will help you gather, manage, store and share all types of information, as well as generate citations and bibliographies. It is similar in concept to EndNote or ProCite, but is web-based, allowing you to access it from anywhere. University Libraries makes this product available free for all University of Cincinnati faculty and staff. <http://www.refworks.com>
- Many professional societies and publishers prescribe a certain format for citations in their publications. For this class, refer to the example citation formats from the American Society for Civil Engineers. <http://www.libraries.uc.edu/libraries/engr/instruction/classes/civil/asceform.html>

Services:

- Ask a Librarian on the Engineering Library website: your query goes to Jim Clasper.
- ILLIAD : Interlibrary-Loan service for acquiring material not at UC or not available through OhioLINK
- Off-campus access for working from home (non-UC IP address)
- Printing : send files to your engineering computer account or save to flash drive and use free prints provided in OCC labs
 - Baldwin 860 B and D
 - Baldwin 548 and 550
 - ERC 617

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