

Find Books on Environmental Design Here are some examples of SUBJECT searches you might want to try in ADDISON. You can also try using these terms in article indexes and in Worldcat:

GENERAL

Architecture -- Environmental aspects
 Architecture and climate
 Architecture and energy conservation
 Atriums
 Buildings
 --Automatic control
 --Automation
 --Electric equipment
 --Energy conservation
 --Environmental engineering
 --Energy conservation Handbook
 --Heating
 --Mechanical equipment
 --Mechanical systems
 Buildings Ventilation
 Dwellings --Environmental aspects
 Indoor air pollution
 Intelligent buildings
 Materials - thermal properties
 Radiant cooling
 Radiant heating
 Solar Buildings
 Solar Energy – Passive Systems
 Ventilation Equipment and supplies
 --Design and construction.
 --Handbooks, manuals, etc.
 Windows – energy conservation

GREEN DESIGN/SUSTAINABLE ARCHITECTURE

Adaptive reuse
 Architecture - environmental aspects
 Architecture-technological innovations
 Architecture and energy conservation
 Architecture and solar radiation
 Building - environmental aspects
 Building materials, alternative
 Building materials -environmental aspects
 Building materials – recycling
 Buildings -environmental engineering
 Buildings - health aspects
 Buildings - salvaging
 Environmental Health

Green Products
 Green Roofs
 Indoor Air Pollution
 Industrial Buildings - Remodeling for other use
 Sick Building Syndrome
 Sustainable forestry

CLIMATIC DESIGN AND DATA

Architecture and climate
 Architecture and energy conservation
 Architecture and solar radiation
 Architecture and energy conservation.
 Solar energy
 Solar radiation
 Urban climatology
 (place name) - climate- statistics

LIGHTING/ DAYLIGHTING

Architecture and climate
 Architecture and solar radiation
 Buildings--Environmental engineering
 Daylight
 Daylighting
 Interior lighting
 Light in architecture.
 Lighting
 Lighting, Architectural and decorative
 Light -- Physiological effect
 [Type of building]--Lighting

INDOOR ENVIRONMENTS

Heating
 Air conditioning
 Air cooling
 Architecture and energy conservation
 Buildings ventilation
 Cooling systems
 Dwellings – heating and ventilation
 Evaporative cooling
 Heat radiation and absorption
 Heating – design and construction
 Indoor air pollution

Addison and Worldcat: Addison is the local library catalog that includes holdings for VATEch's University Libraries. When you search Worldcat, you are searching library catalogs from North America and Europe simultaneously. Worldcat enables you to see a broader range of material that has been published on your topic. Use ILLiad to acquire materials found in Worldcat that are not owned by the University Libraries at VATEch.

Find Articles on EDP Topics

Here is a *selected* list of library-provided databases that contain citations and possibly full-text articles related to environmental design. To access these databases from the University Library's homepage (<http://www.lib.vt.edu>) click on the "articles/databases" link.

Interlibrary Loan If you want to obtain an article or conference proceeding that the University Libraries do not own, try requesting the item from Interlibrary Loan/ILLIAD <http://www.ill.vt.edu/> You can request many other items not owned by the libraries, including books, videos, and thesis/dissertations.

- **Applied Science and Technology Index:** Coverage of publications in engineering and sciences. A complete listing of titles indexed in the ASTI is available online from the ASTI website: http://www.oclc.org/firstsearch/databases/details/dbinformation_ASTA.html
- **Avery Index to Architectural Periodicals:** The Avery Index is the most comprehensive index of its kind - covering industrial design, architecture, landscape architecture and urban design. Avery indexes over 1,000 scholarly and professional journals from the 1870's to the present.
- **Compendex:** The Comprehensive Engineering Index online. Coverage is from 1970 to the present.
- **Engineered Materials Abstracts:** Included in **Materials Sciences**, from Cambridge Scientific Abstracts. In-depth coverage of polymers, ceramics, and composites in a variety of structural and other advanced applications. Journal title listing available online: <http://www.csa.com/csa/factsheets/ema.shtml>
- **Ergonomics Abstracts Online:** Abstracts to articles and books covering ergonomics and human factors, with information on mainstream ergonomics as well as related material from psychology, physiology, biomechanics, job design, human-computer interaction, safety science, human engineering, medicine, occupational health, sport and transport. 1985 to present. Title listing: http://www.tandf.co.uk/ergo-abs/ergo_journals.html
- **Infotrac Onfile:** Infotrac is an index that covers a wide variety of disciplines and includes some full-text to five major newspapers, 89 newswires, general interest periodicals and refereed academic journals.
- **LexisNexis Academic:** Access to over 1 billion full-text documents covering a wide variety of subjects. Search for documents in these broad areas: News, Business, Legal Research, Medical, and Reference.
- **LexisNexis Statistical:** Indexing and abstracts to statistical reports from U.S. federal and state governments, or from privately published, international, or intergovernmental sources.
- **National Technical Information Service (NTIS):** Bibliographic citations for technical reports from the National Technical Information Service (NTIS), a clearinghouse for scientific, technical, and engineering information (including building technology and energy), within the U.S. Department of Commerce.

Conference Papers & Proceedings

- **PapersFirst:** An index of papers presented at conferences worldwide. Coverage is from 1993 to the present.
- **ProceedingsFirst:** Index of worldwide conference proceedings. Coverage is from 1993 to the present.
- **Search for conference proceedings in Addison** by doing a subject search in Addison for your topic along with the word "congresses". For example:

Air conditioning -- Congresses.
Architecture -- Environmental aspects -- Congresses.
Heating -- Congresses.
Indoor air pollution -- Congresses.

Thesis and Dissertations

- **Dissertation Abstracts Online:** Dissertations and theses from institutions in the North America and Europe. (Link from the library homepage, under "Books".) Request thesis and dissertations from other institutions through the Interlibrary Loan service.
- **VATech Electronic Thesis and Dissertations:** <http://scholar.lib.vt.edu/theses/>

Journal List This is a *selected* list of journals having to do with environmental design and building science. A complete list of journals held at the Art and Architecture Library is available online at: http://www.lib.vt.edu/services/branches/artarch/currents_list.pdf

Architectural Lighting	avail from the e-journals database
Architectural Record	NA1 A6 ART/ARCH; also avail from the e-journals database
Architectural Science Review	avail from the e-journals database
Builder / NAHB, the voice of America's housing industry	HD9715 U5 B76 ART/ARCH
Building Design and Construction	TH1 M27 ART/ARCH; also avail from the e-journals database
Building Research and Information	TH1 B846 ART/ARCH; also avail from the e-journals database
Building Services Journal	avail from the e-journals database
Built Environment	NA1 B82 ART/ARCH
Climate Dynamics	avail from the e-journals database
Design Research News	TH6021 D47 ART/ARCH
Detail	NA3 D38 ART/ARCH
ENR – Engineering News Record	TA1 E6 ART/ARCH and NEWMAN
Facilities Design and Management	avail from the e-journals database
International Journal of Lighting Research and Technology	TH7700 I4 A13 ART/ARCH; also avail from the e-journals database
Journal of Architectural Engineering	TH1 J67 NEWMAN; also avail from the e-journals database
Journal of Performance of Constructed Facilities	TA630 J6 NEWMAN; also avail from the e-journals database
Lighting Design and Application	TP700 I332 ART/ARCH
Lighting Dimensions	PN2091 E4 L53 (1979-1997) NEWMAN; also avail from the e-journals database
Lighting Research and Technology	TH7700 I4 A13 ART/ARCH; also avail from the e-journals database
Solar Energy	Older issues in Storage (TJ810 S6); also avail from the e-journals database
Solar Energy Materials and Solar Cells: An International Journal Devoted to Photovoltaic, Photothermal, and Photochemical Solar Energy Conversion	avail from the e-journals database
Techniques et Architecture	TH2 T4 ART/ARCH
World Architecture	NA1 A1 W6 ART/ARCH

Guides, Handbooks & Standards

- **ASHRAE Handbook. Atlanta, GA: American Society of Heating, Refrigerating and Air-Conditioning Engineers.**
 - Fundamentals. (TH7011 A44 ART/ARCH, NEWMAN)
 - Heating, ventilating, and air-conditioning applications. (TH7005 A826 NEWMAN)
 - Refrigeration systems and applications. (TH7011 A46 NEWMAN)
- **ASHRAE Standards Online from HIS:** IHS is a search engine that accesses the full text to standards from most organizations worldwide. Not all of the standards are available full text. You will be able to search for all standards and view citation and availability information for them. <http://www.lib.vt.edu/find/ihserc.php> Contact the Art and Architecture Librarian (h.ball@vt.edu) if you would like the library to purchase one of these standards.
- **HOK Guidebook to Sustainable Design.** Sandra Mendler, William Odell. New York: J. Wiley, 2000. (NA2542.35 M445 2000 ART/ARCH)
- **Light, Light, Light: Effective Use of Daylight and Electric Lighting in Residential and Commercial Spaces.** Jane Grosslight; illustrations by Jeffrey W. Verheyen. 2nd ed., updated. Tallahassee, FL: Durwood Publishers, 1990. (TH7975 D8 G76 1990 ART/ARCH)
- **Lighting Handbook: Reference and Application.** New York: Illuminating Engineering Society of North America. (TK4125 I38 ART/ARCH)

- **Time-Saver Standards for Architectural Lighting.** Gary Steffy. New York: McGraw Hill, 2000. (TK4188 S753 2000 ART/ARCH REF)
- **Time-Saver Standards for Building Materials & Systems: Design Criteria and Selection Data.** Donald Watson, ed. New York; London: McGraw-Hill, 2000. (TA404.5 T56 2000 ART/ARCH)

Find Background Information

What is...? Dictionaries/Encyclopedias

- **Architecture, Design, and Construction Word Finder.** Ballast, David Kent. Englewood Cliffs, N.J : Prentice Hall, 1991. (NA31 B34 1991 ART/ARCH REF)
- **Architectural and Building Technology.** Henry J. Cowan. 3rd ed. London; New York :New York . E & FN Spon; USA and Canada by Routledge, 1998. (NA31 C63 1986 ART/ARCH REF)
- **Concise Dictionary of Construction.** Jones, Frederic H. Los Altos, Calif.: Crisp Publications, 1991. (TH9 J65 1991 ART/ARCH REF)
- **Construction Glossary: An Encyclopedic Reference and Manual.** Stein, J. Stewart. 2nd ed. New York: Wiley, 1993. (TH9 S78 1993 ART/ARCH REF)
- **Dictionary of Architectural Abbreviations, Signs, and Symbols.** David D. Polon, ed. New York: Odyssey Press, 1965. (NA31 D53 ART/ARCH REF) A simple and straight-forward guide to commonly used abbreviations, signs and symbols used across a variety of areas associated with the field of architecture.
- **Dictionary of Architecture.** James Stevens Curl. Oxford; New York: Oxford University Press, 1999. (NA31 C86 1999 ART/ARCH REF) Coverage is mainly of terms from Britain, Europe, North America and Australia, with some inclusion of terminology from the Indian Subcontinent, the Near and Far East, and Colonial architecture.
- **Dictionary of Architecture and Building: Biographical, Historical, and Descriptive.** Sturgis, Russell. New York: Macmillan, 1901-1902. 3 vol. (NA31 S84 ART/ARCH REF) A historical dictionary that includes essay-length signed entries, line drawings and full-page illustrations and photographs.
- **Dictionary of Architecture and Construction.** Edited by Cyril M. Harris. 2nd ed. New York: McGraw-Hill, 1993. (NA31 H32 1993 ART/ARCH REF) An illustrated glossary of terms.
- **Dictionary of Building Preservation.** Edited by Ward Bucher. New York: Preservation Press, J. Wiley, 1996. (NA31 D55 1996 ART/ARCH REF) A dictionary of terms currently used in the preservation field.
- **Encyclopedia of Architectural and Engineering Feats.** Donald Langmead and Christine Garnaut. Santa Barbara, Calif.: ABC-CLIO, 2001. (NA200 L32 2001 ART/ARCH)
- **Encyclopedia of Vernacular Architecture of the World.** Paul Oliver, ed. Cambridge; New York, NY, USA: Cambridge University Press, 1997. 3 vols. (NA208 E53 1997 ART/ARCH)
- **HVAC: Equations, Data, and Rules of Thumb.** Arthur A. Bell, Jr. New York: McGraw-Hill, 2000. (TH7225 B45 2000 NEWMAN)
- **Illustrated Dictionary of Building Materials and Techniques: An Invaluable Sourcebook of the Tools, Terms, Materials, and Techniques Used by Building Professionals.** Bianchina, Paul. New York: Wiley, 1993. (TH9 B466 1993 ART/ARCH REF) In addition to a basic glossary of terms, this handbook includes several useful charts, conversion tables and other information on building and framing, lumber and plywood, hardware and electrical materials.
- **Materials Handbook: An Encyclopedia for Managers, Technical Professionals, Purchasing and Production Managers, Technicians, Supervisors, and Foremen.** 13th ed. NY: McGraw Hill, 1991. (TA403 B75 NEWMAN)
- **Means Illustrated Construction Dictionary.** Edited by Kornelis Smit & Howard M. Chandler. Kingston, MA: R.S. Means Co., 1991. (TH9 M42 1991 ART/ARCH REF)

Professional Associations and Research Centers

- **AIA Center for Building Performance:** http://www.aia.org/bp_confreports
- **Advanced Buildings Technologies & Practices:** <http://www.advancedbuildings.org/>
- **American Council for Construction Education:** <http://acce-hq.org/>
- **American Society of Civil Engineers:** <http://www.asce.org/>
- **American Society of Heating, Refrigeration and Air-Conditioning Engineers:** <http://www.ashrae.org/>
- **American Solar Energy Society:** <http://www.ases.org/>
- **Associated Schools of Construction:** <http://ascweb.org/>
- **Association of General Contractors (AGC) of America:** <http://www.agc.org/>
- **Building Research Establishment:** <http://www.bre.co.uk/>
- **Carnegie Mellon Center for Buildings Performance and Diagnostics:** <http://www.arc.cmu.edu/cbpd/index.html>
- **Illuminating Engineering Society of North America:** <http://www.iesna.org/>
- **Institute for Research in Construction:** <http://irc.nrc-cnrc.gc.ca/>
- **National Association of Home Builders:** <http://www.nahb.com/>
- **National Association of Women in Construction:** <http://www.nawic.org/>
- **U.S. Department of Energy Efficiency and Renewable Energy:** <http://www.eere.energy.gov/>

Directories: Search for names, products, firms and contacts.

- **AEC Info Center:** <http://www.aecinfo.com/> Product information arranged by CSI Master format divisions for architects, engineers, and the construction industry.
- **Building and Home Improvement Products Network:** <http://www.build.com/> Directory of firms in the building and home improvement field.
- **ProFile : the sourcebook of U.S. architectural design firms** (NA53 P76 ART/ARCH Reserves & Reference)
- **R.S. Means Company:** <http://www.rsmeans.com/> Estimating information.
- **Sweet's Group Online:** <http://www.sweets.com/> Construction resources guide.
- **Thomas Register of American Manufacturers:** <http://www.thomasregister.com/> Buying guides and source information on industrial products and services.

Writing and Research Guides

- **Architectural Research Methods.** Linda Groat and David Wang. New York: J. Wiley, 2002. (NA2000 G76 2002 ART/ARCH; there are two copies on Reserve).
- **Citation and Style Manuals Online (including MLA):** <http://www.lib.vt.edu/find/eref/toc/citation.html>

Need Help? Please consult a librarian. Heather Ball is the Art and Architecture Librarian at Virginia Tech and can be reached via e-mail: h.ball@vt.edu, or by phone: (540) 231-9272.