

CIVIL ENGINEERING

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SELECTED LIST OF PRINT BOOKS FOUND THROUGH SEARCHING THE CATALOGUE

ACI building code requirements of the 20th century [electronic resource]. Farmington Hills, Mich. : American Concrete Institute, c2004.

Call Number: CDR 2560

ACI detailing manual--2004 / ACI Committee 315, Details of Concrete Reinforcement. American Concrete Institute. Committee 315. Detroit : American Concrete Institute, c2004.

Call Number: TA 683.28 A43 2004

Anchorage in concrete construction / Ralph Eligehausen, Rainer Malle, John F. Silva. Berlin : Ernst & Sohn, Call number: TA 772 E45 2006

Building Code requirements for masonry structures (ACI 530-05/ASCE 5-05/TMS 402-05) : specifications for masonry structures (ACI 530.1-05/ASCE 6-05/TMS 602-05) : commentary on building code requirements for masonry structures (ACI 530-05/ASCE 5-05/TMS 402-05) : commentary on specification for masonry structures (ACI 530.1-05/ASCE 6-05/TMS 602-05). Boulder, Colo. : Masonry Society, c2005.

Call Number: TH 1199 B85 2005

Canadian professional engineering and geoscience : practice and ethics / Gordon C. Andrews. Andrews, G. C. Gordon Clifford 1937. [South Melbourne] : Thomson/Nelson, c2005.

Call Number: TA 157 A6825 2004

- Civil engineering practice in the twenty-first century : knowledge and skills for design and management / Neil S. Grigg ... [et al.]. Reston, Va. : American Society of Civil Engineers, c2001.
Call Number: TA 145 C59 2001
- Concrete design handbook. 3rd ed. ed. Ottawa : Cement Association of Canada, c2006.
Call Number: TA 683.2 C59 2006
- Concrete : a pictorial celebration. Farmington Hills, Mich. : American Concrete Institute, c2004.
Call Number: NA 4125 C663 2004
- Concrete construction engineering handbook / editor-in-chief, Edward G. Nawy. Boca Raton, Fla. : CRC Press, c1997.
Call Number: TA 681 C743 1997
- Connectors for masonry. Canadian Standards Association. 2004.
Call Number: CSA A370-04
- Construction codes and inspection handbook / Gil L. Taylor. Taylor, G. L. Gil L. 1954. New York : McGraw-Hill, c2006.
Call Number: TH 439 T39 2006
- CSA standards on concrete masonry units. Canadian Standards Association. 2004.
Call Number: CSA A165 series-04
- Design and construction of building components with fibre-reinforced polymers. Canadian Standards Association. 2002.
Call Number: CSA S806-02
- Design of masonry structures. Canadian Standards Association. 2005.
Call Number: CSA S304.1-04
- Design paradigms : case histories of error and judgment in engineering. / Henry Petroski. Petroski, Henry. Cambridge University Press, : Cambridge : c1994.
Call Number: TA 174 P473 1994
- The engineer of 2020 : visions of engineering in the new century. Washington, DC : National Academies Press, c2004.
Call Number: TA 157 E535 2004
- Engineering : an endless frontier / Sunny Y. Auyang. Auyang, Sunny Y. Cambridge, Mass. : Harvard University Press, 2004.
Call Number: TA 157 A96 2004
- Engineering ethics : concepts and cases / Charles E. Harris, Jr., Michael S. Pritchard, Michael J. Rabins. Harris, C. E. Charles Edwin 1938. 3rd ed. ed. Belmont, CA : Thomson/Wadsworth, c2005.
Call Number: TA 157 H357 2005
- Engineering legends : great American civil engineers : 32 profiles of inspiration and achievement / Richard G. Weingardt. Weingardt, Richard. Reston, Va. : American Society of Civil Engineers, c2005.
Call Number: TA 139 W35 2005
- Engineering your future : the non-technical side of professional practice in engineering and other technical fields / Stuart G. Walesh. Walesh, S. G. 2nd ed. ed. Reston, VA : American Society of Civil Engineers, 2000.
Call Number: T 56.8 W36 2000
- Engineers of dreams : great bridge builders and the spanning of America / Henry Petroski. Petroski, Henry. 1st ed. ed. New York : Knopf, 1995.
Call Number: TG 23 P47 1995
- Essential requirements for reinforced concrete buildings : (for buildings of limited size and height, based on ACI 318-02). 2002 ed. ed. Farmington Hills, Mich. : ACI International, c2002.
Call Number: TA 683.24 E77 2002
- Exercises in building construction : forty-five homework and laboratory assignments to accompany fundamentals of building construction materials and methods, fourth edition / Edward Allen and Joseph Iano. Allen, Edward 1938. 4th ed. ed. New York ; Chichester : Wiley, 2004.
Call Number: TH 145 A4171 2004

The evolution of useful things. / Henry Petroski. Petroski, Henry. 1st ed. ed. Alfred A. Knopf, : New York : 1993.
Call Number: T 212 P465 1993

Fundamental competencies for engineers / A. Bruce Dunwoody ... [et al.]. Don Mills, Ont. : Oxford University Press, 2006.
Call Number: TA 157 F85 2006

Fundamentals of engineering design / Barry Hyman. Hyman, Barry I. 1937. 2nd ed. ed. Upper Saddle River, N.J. : Prentice Hall/
Pearson Education, 2003.
Call Number: TA 174 H96 2003

In the wake of Tacoma : suspension bridges and the quest for aerodynamic stability / Richard Scott. Scott, Richard 1956 Feb. 10.
Reston, Va. : ASCE Press, c2001.
Call Number: TG 400 S38 2001

The ingenuity gap / Thomas Homer-Dixon. Homer-Dixon, Thomas 1956. Toronto : Vintage Canada, 2001, c2000.
Call Number: HM 846 H663 2001

International building code 2006. Country Club Hills, IL : International Code Council, c2006.
Call Number: K 3538 I58 2006

Introduction to professional engineering in Canada / Gordon C. Andrews ... [et al.]. 2nd ed. ed. Toronto : Pearson Prentice Hall,
c2006.
Call Number: TA 157 I57 2006

Introduction to professional engineering in Canada / Gordon C. Andrews ... [et al.]. Toronto : Prentice Hall, c2003.
Call Number: TA 157 I57 2003

Invention by design : how engineers get from thought to thing. / Henry Petroski. Petroski, Henry. Harvard University Press, :
Cambridge, Mass. : 1996.
Call Number: TA 174 P4735 1996

National building code of Canada, 2005. 12th ed. ed. Ottawa, Ont. : Institute for Research in Construction, 2005.
Call Number: TH 226 N37 2005

Masonry construction for buildings. Canadian Standards Association. 2004.
Call Number: CSA A371-04

Masonry structures : behavior and design. / Robert G. Drysdale, Ahmad A. Hamid, Lawrie R. Baker. Drysdale, Robert G. Prentice
Hall, : Englewood Cliffs, N.J. : c1994.
Call Number: TH 1199 D78 1994

Mortar and grout for unit masonry. Canadian Standards Association. 2004.
Call Number: CSA A179-04

Petronas Towers : the architecture of high construction / Cesar Pelli and Michael J. Crosbie. Pelli, Cesar. Chichester : Wiley-
Academy ; New York : Wiley, 2001.
Call Number: NA 6234 M42K837 2001

Prestressed concrete : a fundamental approach / Edward G. Nawy. Nawy, Edward G. 4th ed. Prentice-Hall Pearson Educ Hghr Ed
2006.
Call #: TA 683.9 N39 2006

Pushing the limits : new adventures in engineering / Henry Petroski. Petroski, Henry. New York : Knopf, 2004.
Call Number: TA 15 P47 2004

Reinforced concrete design : a practical approach / Svetlana Brzev, John Pao. Brzev, Svetlana 1959. Toronto : Pearson Prentice Hall,
2006.
Call Number: TA 683.2 B79 2006

Reinforced concrete design / George F. Limbrunner, Abi O. Aghayere. Limbrunner, George F. 6th ed. ed. Upper Saddle River, N.J. :
Pearson Prentice Hall, c2007.
Call Number TA 683.2 S58 2007

Reinforced Concrete : Mechanics and Design. MacGregor , James G. 4th ed. ed. Pearson Educ Hghr Ed 2005.
Call Number: TA 683.2 M34 2005

Remaking the world : adventures in engineering / Henry Petroski. Petroski, Henry. New York : Vintage Books.
Call Number: TA 145 P47 1997

Shaping structures : statics / Waclaw Zalewski and Edward Allen ; drawings by Joseph Iano. Zalewski, Waclaw. New York : Wiley, c1998.
Call Number: TA 648 Z35 1998

Sons of Martha : civil engineering readings in modern literature / collected & edited by Augustine J. Fredrich. Reston, Va. : American Society of Civil Engineers, c1989.
Call Number: TA 155 S66 1989

Sustainable practices in the built environment / edited by Craig A. Langston and Grace K.C. Ding. 2nd ed. ed. Boston : Butterworth-Heinemann, 2001.
Call Number: TA 170 S88 2001

Tilt-up concrete construction guide. American Concrete Institute. American Concrete Institute, 2005.
Call Number: ACI 551.1R-05

Tilt-up construction and engineering manual. 6th ed. ed. Mount Vernon, Ia. : Tilt-Up Concrete Association.
Call Number: TA 683 B76 2004

To engineer is human : the role of failure in successful design / Henry Petroski. Petroski, Henry. 1st Vintage Books ed. ed. New York : Vintage Books, 1992.
Call Number: TA 174 P474 1992

When technology fails : significant technological disasters, accidents, and failures of the twentieth century. / edited by Neil Schlager ; foreword by Henry Petroski. Gale Research, : Detroit : c1994.
Call Number: TA 169.5 W44 1994

SELECTED LIST OF E-BOOKS FOUND EITHER THROUGH SEARCHING THE CATALOGUE OR
THROUGH "ARTICLES AND DATABASES" : CRC ENGETBASE OR KNOVEL E-BOOKS AND DATABASES.

The civil engineering handbook [electronic resource] / edited by W.F. Chen, J.Y. Richard Liew. 2nd ed. ed. Boca Raton : CRC Press, c2003.

Design of masonry structures [electronic resource] / A.W. Hendry, G.P. Sinha and S.R. Davies. Hendry, Arnold W. 1921. New York : E & FN Spon, 2004.

Earthquake engineering handbook [electronic resource] / edited by Wai-Fah Chen, Charles Scrawthorn. Boca Raton, FL : CRC Press, c2003.

Forensic engineering [electronic resource] / edited by Kenneth L. Carper. 2nd ed. ed. Boca Raton, FL : CRC Press, 2000.

Handbook of pollution control and waste minimization [electronic resource] / edited by Abbas Ghassemi. New York : Marcel Dekker, c2002.

Handbook on nondestructive testing of concrete [electronic resource] / edited by V.M. Malhotra and N.J. Carino. 2nd ed. ed. Boca Raton, Fla. : CRC Press, c2004.

Reinforced soil engineering [electronic resource] : advances in research and practice / edited by Hoe I. Ling, Dov Leshchinsky, Fumio Tatsuoka. New York : M. Dekker, c2003.

Transportation systems planning [electronic resource] : methods and applications / edited by Konstadinos G. Goulias. Boca Raton, Fla. : CRC Press, c2003.

Natural wastewater treatment systems [electronic resource] / Ronald W. Crites, E. Joe Middlebrooks, Sherwood C. Reed. Crites, Ronald W. Boca Raton, FL : CRC/Taylor & Francis, 2006.

Cold-formed steel structures to the AISI specification [electronic resource] / Gregory J. Hancock, Thomas M. Murray, Duane S. Ellifritt. Hancock, Gregory J. New York : M. Dekker, c2001.

Concrete formwork systems [electronic resource] / Awad S. Hanna. Hanna, Awad S. 1952. New York : Marcel Dekker, c1999.

Chemical grouting and soil stabilization [electronic resource] / Reuben H. Karol. Karol, R. H. Reuben H. 1922. 3rd ed., rev. and expanded. ed. New York : M. Dekker, c2003.

Hydraulics of spillways and energy dissipators [electronic resource] / R. M. Khatsuria. Khatsuria, R. M. New York : Marcel Dekker, c2005.

Construction in cities [electronic resource] : social, environmental, political, and economic concerns / author-editor, Patricia J. Lancaster ; co-editors, Edward S. Plotkin, Jill N. Lerner ; advisory editor, M.D. Morris. Lancaster, Patricia J. Boca Raton, Fla. : CRC Press, c2001.

Environmental pollution control microbiology [electronic resource] / Ross E. McKinney. McKinney, Ross E. New York : M. Dekker, c2004.

Introduction to design for civil engineers [electronic resource] / R.S. Narayanan and A.W. Beeby. Narayanan, R. S. London ; New York : E & FN Spon, 2000.

FINDING JOURNAL ARTICLES ON SPECIFIC TOPICS

Articles can be found (either the full text article, or a citation, which leads you to the location of the article in the print journals) by using the following indexes:

[Academic Search Premier](#)

Provides abstracts and indexing for over 3,200 scholarly journals covering the social sciences, humanities, life and living, and education.

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[Earthquake Engineering Abstracts](#)

Coverage of earthquake engineering and earthquake hazard mitigation.

[EI Engineering Village 2 - Compendex](#)

Comprehensive interdisciplinary engineering database. Includes summaries of journal articles, technical reports, and conference papers and proceedings.

[Encyclopedia of Materials - Science & Technology](#)

Covers material science and related disciplines such as physics, chemistry, engineering and even biomedical science.

[ENVIRONetBase : Environmental Resources Online](#)

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[Environmental Sciences & Pollution Management Abstracts](#)

Covers aquatic pollution, ecology, energy resources, environmental engineering, hazardous waste, industrial hygiene, microbiology, and risk assessment.

[Knovel eBooks & Databases](#)

SELECTED LIST OF JOURNALS IN WHICH THE ARTICLES CAN BE FOUND (PRINT AND ELECTRONIC)

- > Canadian journal of civil engineering [electronic resource] Revue canadienne de genie civil. [Ottawa : NRC Research Press, National Research Council of Canada].
- > Civil engineer international. London : Emap Construct Ltd., 1995-1999PAPER: no.1(1995:Jan./Feb.)-no.56(1999:Nov.).
- > Civil engineering. American Society of Civil Engineers, : New York : v.35(1965)-v.45(1975),v.57(1987)-v.74:no.5(2004:May) MICROFILM: v.45(1975)-v.56(1986).
- > Civil engineering and environmental systems [electronic resource]. Amsterdam : Gordon and Breach Science Publishers, c1998-.
- > Civil engineering [electronic resource]. New York, N.Y. : American Society of Civil Engineers, c1982-.
- > Construction equipment [electronic resource]. Newton, MA : Cahners Magazine Division of Reed Pub., 1969-.
- > Earthquake engineering & structural dynamics [electronic resource]. Chichester ; New York, NY : John Wiley & Sons.
- > Earthquake spectra : the professional journal of the Earthquake Engineering Research Institute. Berkeley, Calif. : The Institute, c1984-PAPER: v.21:no.1(2005:Feb.)-.
- > Engineering issues. American Society of Civil Engineers, : New York : 1971-78.
- > International construction [electronic resource]. London : Iliffe Industrial Publications.
Notes: Published: Wallington, Surrey : Reed Business Pub., <June 1987- >; Chicago, Ill. :.
- > Issues in engineering. American Society of Civil Engineers, : New York :MICROFILM: v.105(1979)-v.108(1982)
- > ITE journal [electronic resource]. Institute of Transportation Engineers. [Washington, D.C., etc.] Institute of Transportation Engineers.
- > Journal of aerospace engineering [electronic resource]. New York, N.Y. : American Society of Civil Engineers, Aerospace Division, c1988-..
- > Journal of architectural engineering [electronic resource]. New York, NY : American Society of Civil Engineers, c1995-.
- > Journal of bridge engineering [electronic resource]. New York, NY : American Society of Civil Engineers, Structural Division, c1996-.
- > Journal of construction engineering and management [electronic resource]. New York, N.Y. : American Society of Civil Engineers, c1983-.
- > Journal of earthquake engineering [electronic resource] : JEE. London : Imperial College Press, 1997-.
- > Journal of infrastructure systems [electronic resource] / American Society of Civil Engineers. New York, NY : The Society, c1995
- > Journal of performance of constructed facilities [electronic resource]. New York, N.Y. : American Society of Civil Engineers, c1987-..
- > Journal of professional issues in engineering education and practice [electronic resource]. New York, NY : American Society of Civil Engineers, c1991-.
- > Journal of structural engineering. New York : American Society of Civil Engineers, c1983-
- > Journal of structural engineering [electronic resource]. New York, N.Y. : American Society of Civil Engineers, c1983-.
- > Journal of surveying engineering [electronic resource]. [Reston, Va.] : American Society of Civil Engineers.
- > Journal of the Construction Division. American Society of Civil Engineers, : New York :MICROFILM: v.102(1976)-v.108(1982)
- > Journal of the South African Institution of Civil Engineers [electronic resource] = Joernaal van die Suid-Afrikaanse Instituut van Siviele Ingenieurs. Johannesburg, South Africa : The Institution, 1993-.
- > Journal of the Structural Division. American Society of Civil Engineers, : New York :MICROFILM: v.102(1976)-v.108(1982)
- > Journal of the technical councils of ASCE. American Society of Civil Engineers, : New York :MICROFILM: v.103(1977)-v.108 (1982)
- > Journal of transportation engineering [electronic resource] / American Society of Civil Engineers. [New York, N.Y.] : The Society..
- > Journal of urban planning and development [electronic resource]. New York, N.Y. : American Society of Civil Engineers, Urban Planning and Development Division, c1983-.
- > Modern steel construction. American Institute of Steel Construction, : Chicago: v.29:no.6(1989:Nov./Dec.)-.
- > New civil engineer international. London : Emap Construct Ltd., 1999-PAPER: no.57(1999:Dec.)-.

- > Practice periodical on structural design and construction [electronic resource]. New York, NY : American Society of Civil Engineers, Construction Division & Structural Division, c1996-.
- > Steel design. [1971?]-: v.14:no.2(1982)-v.36:no.2(2004:Fall).
- > Transport reviews [electronic resource]. London : Taylor & Francis, c1981-.
- > Transportation engineering journal. v.101(1975: v.102(1976)-v.108(1982).
- > Transportation quarterly [electronic resource] / Eno Foundation for Transportation. Westport, Conn. : The Foundation, [c1982]-c2003.
- > Transportation science [electronic resource]. [Linthicum, Md.] : INFORMS.
- > Transactions of the American Society of Civil Engineers. American Society of Civil Engineers. New York, American Society of Civil Engineers.PAPER: v.121(1956)-v.134(1969),v.136(1971)-v.137(1972),v.139(1974),v.141(1976)-v.158(1993).

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