

Civil Engineering

Encyclopedias & Dictionaries

Use these for background information and help with terminology

Comprehensive Composite Materials
Contractors' Dictionary of Equipment, Tools, and Techniques
Dictionary of Environmental & Civil Engineering
Wiley Dictionary of Civil Engineering and Construction

Available online from Databases A-Z list
Owen Reference TA9 .W43
Owen Reference TA9 .W43
Owen Reference TA9 .W44 1997

Standards

Use to locate standards and specifications

Annual Book of ASTM Standards Index
Annual Book of ASTM Standards
ASHRAE Handbook
SAE Handbook
Index and Directory of Industry Standards
NIST Data Gateway

Owen Reference TA401.A653
Owen TA401.A653
Owen Reference TH7011.A41x
Owen Reference TL151.S62
Owen Reference QC100.I53x
Available online from Databases A-Z list

Handbooks

Useful for locating data and basic explanations of processes and principles.

ASM Handbooks
Bridge Engineering Handbook
Civil Engineering Handbook
Concrete Construction Engineering Handbook
Davis's Handbook of Applied Hydraulics
Earthquake Engineering for Structural Design
Engineering Handbook
Engineering Formulas
ENGnetBase (CRC Handbooks)
Eshbach's Handbook of Engineering Fundamentals
Flow Measurement Engineering Handbook
Forensic Structural Engineering Handbook
Formulas for Structural Dynamics: Tables, Graphs and Solutions
Geotechnical Earthquake Engineering Handbook
Handbook of Civil Engineering Calculations
Handbook of Structural Engineering
Highway Engineering Handbook
Hydraulics Field Manual
Land Development for Civil Engineers
Practical Foundation Engineering Handbook
Reference Guide to Famous Engineering Landmarks of the World
Standard Handbook for Civil Engineers
Standard Handbook of Engineering Calculations
Standard Handbook of Heavy Construction
Structural Engineering Handbook
Tunnel Engineering Handbook
Water Distribution Systems Handbook
Wiley Engineer's Desk Reference
Wood Engineering Handbook

Available online from Databases A-Z list
Owen TG145 .B85 2000) and Online
Owen Reference TA151.C57 and Online
Owen Reference TA681 .C743
Owen Reference TC145 .D3
Available Online as an eBook
Available Online as an eBook
Owen Reference TA151 .G4713
Available online from Databases A-Z list
Owen Reference TA151 .E8
Owen TA357.5.M43 M55
Owen Reference TA219 .F69x
Owen Reference TA654 .K37
Owen Reference TA 654.6 D38
Owen Reference TA332 .H36
Available Online as an eBook
Owen TE151.H54 2003
Owen Reference TC160 .P34
Owen TA151 .D56
Owen TA775 .P725 2001
Owen Reference TA15 .B42
Owen TA151 .S8
Owen Reference TA332.S73
Owen TA151 .S814
Available Online as an eBook
Owen TA805 .T82
Owen TD481 .W375
Owen TA151 .H424
Owen TA419 .W78

Find Articles & Patents

Applied Science & Technology Index: 1958-1994 (in print)

This index covers periodicals in the applied sciences including engineering, mathematics, physics and computer technology. ASTI volumes published between 1983 and 1994 are available upon request.

Avery Index of Architectural Periodicals: 1930's-present

Indexes periodicals on archeology, city planning, interior design, and historic preservation and architecture.

EI Compendex: 1970-present

EiCompendex is the major index to the engineering literature providing references and abstracts to over 5,000 engineering journals, conferences and technical reports.

Engineering Index 1884-1994

This is the major indexing source for engineering. Each entry includes the reference and a summary of the article. *Engineering Index* is available in print at the Owen Library.

Esp@cenet

esp@cenet contains all the patent documentation available to EPO examiners and the latest patent applications from all the EPO member states.

INSPEC: 1969-present

Combined Physics Abstracts, Electrical and Electronics Abstracts, and Computer and Control Abstracts.

NTIS: 1990-present

Search of all the content in the National Technical Information Service database published since 1990, including government-sponsored scientific, technical, engineering, and related business information.

NTIS Archive: 1964-2000 (ask the reference desk for login and password)

Federal scientific, technical, engineering, and business related technical reports. The NTIS/GPO pilot program makes approximately 240,000 documents dating from 1964 to 2000 available free for viewing and provide the full text of these reports as free downloadable PDF files

U.S. Patent and Trademark Office: 1790-present

Covers U.S. Utility, Design and Plant Patents Contents include images for patents since 1790.

Web of Science: 1980-present

A multidisciplinary index of journals in the sciences. Unique feature allows users to do a citation search to find who referenced an article, and references used by an author are linked as well. This allows users to go backwards and forwards in time. For article published before 1980 consult the print *Science Citation Index* available from 1955-1991

WIPO Patents: 1998-present

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