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Witness to History: 1929-1969 - Charles E. Bohlen 2021-08-26

“At the end of the 1920’s the Foreign Service of the United States... introduced a program of regional specialization. It was a fortunate innovation, for, among other things, it provided the Service with a group of well-trained Russian-language specialists just at the time when the United States was beginning its new and troubled association with the Soviet Union. One of the first of these was Charles E. Bohlen, and for the next 40 years he was to be involved in every major development in Soviet American relations, serving under William C. Bullitt in the Moscow embassy in 1934, acting as interpreter and adviser at the wartime conferences at Teheran, Yalta and Potsdam, succeeding George F. Kennan as Ambassador to Moscow in 1953, and, in later years, advising Presidents about Russian attitudes at the time of the Cuban missile crisis and the Soviet invasion of Czechoslovakia in 1968. Diplomatic memoirs are generally thin stuff and often mere exercises in self-inflation. This cannot be said of this absorbing account. Anyone who reads it will understand what George Kennan meant when he described his friend as ‘a man interested... both passionately and dispassionately in everything that concerned the Russian scene.’ It is clear that, from that bright snowy day when he

jumped down on the station platform at Negoreloye in March, 1934, until the very end of his career, his hunger to learn all he could about Russia and its rulers was unabated; but it is also apparent that he always strove to remain objective about what he learned and to remember that his role was not to pass judgment on the behavior of the Soviet Government but to understand it and to use that understanding for the good of his country. His memoirs are the record of how he accomplished this... the account of the various phases of the author’s career is rich in circumstantial detail and in anecdote. Particularly effective are Mr. Bohlen’s descriptions of the men he met during his career. These include a shrewd assessment of de Gaulle, whom Bohlen saw frequently during his term as Ambassador to France from 1962 until 1968, and a series of impressions of the Secretaries of State under whom he served. Among these he admired Marshall most and Dulles, who unceremoniously exiled him to Manila in 1957, least.” — Gordon A. Craig, The New York Times “A fascinating account of a most extraordinary career.” — W. Averell Harriman “No single person was present at more of the high-level diplomatic encounters of the wartime and immediate post-war periods than Charles Bohlen. And none was better equipped to judge them. His memoirs have,

therefore, unique historical value and should go far to answer the questions of those who are now challenging the soundness of American decisions in that time." — George F. Kennan "This book is original, reflective, well written, full of new aperçus for the journalist and fresh fuel for the historian... an admirable book." — The Economist "Few diplomats covered as much ground, fewer have written so compelling a book... [a] solid, worthy book." — Times Literary Supplement "Absorbing throughout... There is much that is amusing, for Bohlen has a bump of irreverence, and much that is new... A definite contribution to history." — Joseph P. Lash "The book... is of major historical importance... for its perception and the light which it sheds on the statesmen and the major crises of our time." — Edward Weeks, The Atlantic Monthly "[Bohlen was] one of the leading diplomats of his time but also an outstanding connoisseur of Russian history and culture... an important book." — Adam B. Ulam, Slavic Review "[An] extraordinary book... a dynamic narrative... for anyone... interested in the ups and downs of American-Soviet policies, this should prove a most useful book." — Stephen D. Kertesz, The Review of Politics "[An] important book... I found these memoirs both fascinating and enlightening." — F. H. Soward, International Journal

Multimedia Multicast on the Internet -

Abderrahim Benslimane 2013-03-01

This book examines multicast technology and will be a key text for undergraduate engineering students and master students in networks and telecoms. However, it will be equally useful for a wide range of professionals in this research field. Multicast routing was introduced with the advent of multiparty applications (for example, videoconferencing on the Internet) and collaborative work (for example, distributed simulations). It is related to the concept of group communication, a technique introduced to reduce communication costs. The various problems of multicast routing on the Internet are examined in detail. They include: group membership management, quality of service, reliability, safety, scalability and transport. Throughout the text, several protocols are introduced in order to analyze, compare and cover the various aspects of multicasting.

NEHRP Recommended Provisions (National Earthquake Hazards Reduction Program) for Seismic Regulations for New Buildings and Other Structures: Commentary - United States. Federal Emergency Management Agency 2001

Building Science for a Cold Climate - N. B. Hutcheon 1983

Aimed at understanding the design and performance of building enclosures and their inside environment in cold climates. The information and examples presented relate mainly to Canada.

Practical Law of Architecture, Engineering and Geoscience - Brian M. Samuels 2010-05-31

AutoCAD 2015 for Interior Design and Space Planning helps students understand the commands and features of AutoCAD 2015 and demonstrates how to use the program to complete interior design and space planning projects. Covering both two- and three-dimensional drawings, the text provides abundant exercises that walk students step-by-step through the use of AutoCAD prompts and commands. Using numerous illustrations, the text captures the essence of this powerful program and the importance it plays in the interior design, architecture and space planning professions. Features include:

- Covers new AutoCAD 2015 interface
- Progresses from basic commands to complex drawing exercises.
- Provides over 100 exercises and projects.
- Highlights seven projects appropriate for interior design, space planning and architecture students.
- Includes coverage of the AutoCAD DesignCenter
- Covers solid modeling in two chapters

Traditional Buildings - Allen Noble 2009-09-18

Based on a lifelong professional and personal interest, "Traditional Buildings" presents a unique survey of vernacular architecture across the globe. The reader is taken on a fascinating tour of traditional building around the world, which includes the loess cave homes of central China, the stilt houses on the shores of Dahomey, the house barns of Europe and North America, the wind towers of Iran, the Bohio houses of the Arawak Indians of the Caribbean, and much more. Professor's Noble's extensive travels have allowed him to examine many of the

building at close quarters and the richly illustrated text includes photographs from his personal collection. With its comprehensive and detailed bibliography, the work will be welcomed by experts and non-specialists alike.

Geoethics - G. Di Capua 2021-06-08

This is the second volume focused on geoethics published by the Geological Society of London. This is a significant step forward in which authors address the maturation of geoethics. The field of geoethics is now ready to be introduced outside the geoscience community as a logical platform for global ethics that addresses anthropogenic changes. Geoethics has a distinction in the geoscientific community for discussing ethical, social and cultural implications of geoscience knowledge, research, practice, education and communication. This provides a common ground for confronting ideas, experiences and proposals on how geosciences can supply additional service to society in order to improve the way humans interact responsibly with the Earth system. This book provides new messages to geoscientists, social scientists, intellectuals, law- and decision-makers, and laypeople. Motivations and actions for facing global anthropogenic changes and their intense impacts on the planet need to be governed by an ethical framework capable of merging a solid conceptual structure with pragmatic approaches based on geoscientific knowledge. This philosophy defines geoethics.

Canadian Professional Engineering and Geoscience - Gordon Clifford Andrews 2009

This comprehensive textbook introduces engineers and geoscientists to the structure, practice, and ethics of their professions and encourages them to apply ethical concepts in their professional lives. It is a comprehensive reference for engineers and geoscientists in any branch of these professions, in any province or territory of Canada. The book is intended for practicing professionals, recent graduates, and senior undergraduates and is an excellent study guide for the practice and ethics part of the Professional Practice Examination (PPE) required for licensing in every province and territory.

The Blockchain and the New Architecture of Trust - Kevin Werbach 2018-11-20

How the blockchain—a system built on

foundations of mutual mistrust—can become trustworthy The blockchain entered the world on January 3, 2009, introducing an innovative new trust architecture: an environment in which users trust a system—for example, a shared ledger of information—without necessarily trusting any of its components. The cryptocurrency Bitcoin is the most famous implementation of the blockchain, but hundreds of other companies have been founded and billions of dollars have been invested in similar applications since Bitcoin's launch. Some see the blockchain as offering more opportunities for criminal behavior than benefits to society. In this book, Kevin Werbach shows how a technology resting on foundations of mutual mistrust can become trustworthy. The blockchain, built on open software and decentralized foundations that allow anyone to participate, seems like a threat to any form of regulation. In fact, Werbach argues, law and the blockchain need each other. Blockchain systems that ignore law and governance are likely to fail, or to become outlaw technologies irrelevant to the mainstream economy. That, Werbach cautions, would be a tragic waste of potential. If, however, we recognize the blockchain as a kind of legal technology that shapes behavior in new ways, it can be harnessed to create tremendous business and social value.

Professional Licensure for Geologists - Robert E. Tepel 1995

Structural Geology - Haakon Fossen 2016-03-03

This market-leading textbook has been fully updated in response to extensive user feedback. It includes a new chapter on joints and veins, additional examples from around the world, stunning new field photos, and extended online resources with new animations and exercises. The book's practical emphasis, hugely popular in the first edition, features applications in the upper crust, including petroleum and groundwater geology, highlighting the importance of structural geology in exploration and exploitation of petroleum and water resources. Carefully designed full-colour illustrations work closely with the text to support student learning, and are supplemented with high-quality photos from around the world.

Examples and parallels drawn from practical everyday situations engage students, and end-of chapter review questions help them to check their understanding. Updated e-learning modules are available online (www.cambridge.org/fossen2e) and further reinforce key topics using summaries, innovative animations to bring concepts to life, and additional examples and figures.

Planning, Scheduling, and Control of Construction Projects - Tom Stephenson
2018-12-15

Planning, Scheduling, and Control of Construction Projects provides the skills and knowledge required to successfully plan, schedule, and control simple to complex construction projects in the residential and commercial construction sectors. Emphasis is placed on developing a complete work breakdown structure (WBS) and implementing the critical path method (CPM) to scheduling. Additional topics pertaining to the management and control of a project are also covered. Case studies, review questions, and activities provide additional learning opportunities to supplement the chapter content.

Sedimentation Engineering - American Society of Civil Engineers. Task Committee for the Preparation of the Manual on Sedimentation
2008

MOP 110 presents extensive advances in methods of investigation, measurement, and analysis in the specialized field of sedimentation engineering.

Careers in Geology - Institute For Institute For Career Research
2018-04-22

GEOLOGY IS THE SCIENTIFIC STUDY OF THE EARTH, its composition, its processes, and the forces that act upon it. It is a broad subject that covers very specific aspects from glaciers and volcanoes, to gem stones and energy resources, to changing land formations and mass extinctions. It includes every area - the earth's core, ocean floor, deep canyons, mountaintops, and even the atmosphere. Geologists spend most of their time outdoors, often in remote areas. They dig up fossils, take soil samples, create maps, and gather lots of photographic evidence. They study the weather and investigate potential geological activity in order to predict natural disasters and potentially save people from the

ravages of tornadoes, earthquakes, tsunamis, or volcanic eruptions. There are dozens of different jobs that a geologist can hold. Each utilizes the knowledge and skills acquired from the same basic training and education. What any one geologist does depends on the job title or area of specialization. For example, environmental geologists are concerned with the safe use of natural resources. They test soil and water for signs of toxins after accidents, help create plans for cleanup, and make sure areas are safe for residents. Hydrogeologists work primarily with water. They study how water moves, how and where it becomes available to communities, ways to increase water supplies, and how to minimize possible pollution. Petroleum geologists search for sources of oil and gas, and develop methods for safe extraction. The minimum educational requirement to become a geologist is a bachelor's degree in geology, though many employers prefer a master's degree. In either case, those entering the field can expect to find jobs waiting for them. In fact, industry leaders predict that some areas will experience shortages of trained professionals as the demand for renewable and safe energy, more accurate hazard weather plans, global environmental safety, and answers to the threat of climate change grows in importance.

Petroleum Geoscience - Jon G. Gluyas
2013-04-25

Petroleum Geoscience is a comprehensive introduction to the application of geology and geophysics to the search for and production of oil and gas. Uniquely, this book is structured to reflect the sequential and cyclical processes of exploration, appraisal, development and production. Chapters dedicated to each of these aspects are further illustrated by case histories drawn from the authors' experiences. Petroleum Geoscience has a global and 'geo-temporal' backdrop, drawing examples and case histories from around the world and from petroleum systems ranging in age from late-Pre-Cambrian to Pliocene. In order to show how geoscience is integrated at all levels within the industry, the authors stress throughout the links between geology and geophysics on the one hand, and drilling, reservoir engineering, petrophysics, petroleum engineering, facilities design, and health, safety and the environment on the other.

Petroleum Geoscience is designed as a practical guide, with the basic theory augmented by case studies from a wide spread of geographical locations. Covers all the key aspects of the origin of petroleum, exploration, and production. It takes account of the modern emphasis on the efficient utilisation of reserves, on new methods in exploration (such as 3-D seismics). Book takes 'value-chain' approach to Petroleum Geoscience. First new text on petroleum geology for geology undergraduates to be published in the last ten years. Packed full of real-life case studies from Petroleum industry.

Practical Law of Architecture, Engineering, and Geoscience - Brian M Samuels 2015-10-01
Practical Law of Architecture, Engineering, and Geoscience, 3Ce: The choice of professional engineers across Canada! Practical Law presents the most up-to-date concepts and changes in the legal field, while presenting new case studies and new coverage of topics such as Quebec law, international law, the relationship between ethics and the law, breach of confidentiality, and safety and professional liability issues related to the Criminal Code of Canada. The new third Canadian edition of Practical Law prepares students for their professional exams. The text contains the content necessary to ensure that engineers are prepared for their professional examinations and offers online practice tests to reinforce learning. It is appropriate for one-semester ethics or law classes taught in engineering, architecture, geoscience, and construction departments.
Revolutionizing Science and Engineering Through Cyberinfrastructure - 2003

Law for Professional Engineers: Canadian and Global Insights, Fifth Edition - Donald L. Marston 2019-03-08

Thoroughly revised, plain-language explanations of legal issues that impact today's practicing engineers This fully updated guide helps engineers navigate the complicated legal issues they encounter in their work. The book focuses on Canadian engineering practices and discusses the latest international rules and regulations. Contracts, liability issues, and intellectual property and tax laws are covered in full detail. Written by a recognized expert in the field, *Law for Professional Engineers: Canadian*

and *Global Insights, Fifth Edition* features concise, easy-to-understand explanations of the legal issues that impact engineering. You will get relevant examples from Canadian case law that demonstrate real-world applications of each legal concept. The book provides practical advice that will help engineers navigate the complexities of international projects, whether they are based in Canada, in the U.S., or anywhere else in the world. •Cuts out the legalese and explains concepts from an engineer's perspective •Includes expanded coverage of engineering ethics •Written by an expert on international construction law and dispute resolution

Occupational Outlook Handbook - United States. Bureau of Labor Statistics 1976

The Weather Observer's Handbook - Stephen Burt 2012-06-29

Comprehensive, practical and independent guide to all aspects of making weather observations for both amateurs and professionals alike.

Engineering and Geoscience, Law - Brian M. Samuels 2006-10

This book provides a broad overview of areas of the law relevant to the practice of architecture, engineering, and geoscience in Canada. Geared to those not studying law, the legal concepts and language are simplified and presented in practical, rather than theoretical, terms with the goal of providing professionals and students sufficient background to identify legal issues.

This text is an excellent reference for professionals and an excellent study aid for the Professional Practice Exam. The most up-to-date Canadian engineering law text on the market
End-of-chapter problems with answers to selected problems
Case studies in selected chapters
Glossary of terms with key terms bolded within text
Written in clear, logical language
Tables and figures help to illustrate topics
Extensive coverage of current topics such as risk, insurance, privacy law, and internet law
There's No Such Thing as "Business" Ethics - John C. Maxwell 2007-10-15

There's no such thing as business ethics. How can that be? Because a single standard applies to both your business and personal life-and it's one we all know and trust: the Golden Rule. Now bestselling author John C. Maxwell shows you

how this revered ideal works everywhere, and how, especially in business, it brings amazing dividends. There's No Such Thing As "Business" Ethics offers: * Stories from history, business, government, and sports that illustrate how talented leaders invoked this timeless principle * Examples of difficult business decisions-layoffs, evaluations, billing clients, expansion-and how the Golden Rule applies to each * The five most common reasons people compromise their ethics-and how you can prevail over such moral obstacles * How applying the Golden Rule to business builds morale, increases productivity, encourages teamwork, lowers employee turnover, and keeps clients coming back. John C. Maxwell not only reveals the many ways the Golden Rule creates the perfect environment for business success, but does it with great wisdom, warmth, and humor. Backed by flawless research and the ideas of history's best thinkers, this engaging book brilliantly demonstrates how doing the right thing fosters a winning situation for all, with positive results for employees, clients, investors, and even your own state of mind. Business runs much more smoothly, profits increase, and you know that you've set the groundwork for years of future prosperity...and it's all thanks to the tried-and-true Golden Rule.

[Innovative Biosystems Engineering for Sustainable Agriculture, Forestry and Food Production](#) - Antonio Coppola 2020-03-19

This book gathers the latest advances, innovations, and applications in the field of innovative biosystems engineering for sustainable agriculture, forestry and food production. Focusing on the challenges of implementing sustainability in various contexts in the fields of biosystems engineering, it shows how the research has addressed the sustainable use of renewable and non-renewable resources. It also presents possible solutions to help achieve sustainable production. The Mid-Term Conference of the Italian Association of Agricultural Engineering (AIIA) is part of a series of conferences, seminars and meetings that the AIIA organizes, together with other public and private stakeholders, to promote the creation and dissemination of new knowledge in the sector. The contributions included in the book were selected by means of a rigorous peer-

review process, and offer an extensive and multidisciplinary overview of interesting solutions in the field of innovative biosystems engineering for sustainable agriculture.

[Runoff Prediction in Ungauged Basins](#) - Günter Blöschl 2013-04-18

Predicting water runoff in ungauged water catchment areas is vital to practical applications such as the design of drainage infrastructure and flooding defences, runoff forecasting, and for catchment management tasks such as water allocation and climate impact analysis. This full colour book offers an impressive synthesis of decades of international research, forming a holistic approach to catchment hydrology and providing a one-stop resource for hydrologists in both developed and developing countries. Topics include data for runoff regionalisation, the prediction of runoff hydrographs, flow duration curves, flow paths and residence times, annual and seasonal runoff, and floods. Illustrated with many case studies and including a final chapter on recommendations for researchers and practitioners, this book is written by expert authors involved in the prestigious IAHS PUB initiative. It is a key resource for academic researchers and professionals in the fields of hydrology, hydrogeology, ecology, geography, soil science, and environmental and civil engineering.

[The Elements of Great Public Speaking](#) - J. Lyman Macinnis 2016-02-17

Great speakers aren't just born; they prepare and they practice. THE ELEMENTS OF GREAT PUBLIC SPEAKING takes the fear out of taking the podium, distilling essential techniques and tricks for just about any speaking occasion. Experienced businesspeople, nervous students, best men, and eulogists alike can benefit from the author's simple, direct, and tested advice on everything from body language and word choice to responding to the audience and overcoming stage fright. Because there's no such thing as a boring topic,Äÿjust boring speakers,ÄÿELEMENTS shows how to look, sound, and act like someone worth listening to.Reviews,ÄÿThe go-to guide for anyone about to stand up and say something. . . A practical guide to thumb through before every speech, whether it's your first or 500th.Äÿ ,ÄÿUSA Today

Reproducibility and Replicability in Science

- National Academies of Sciences, Engineering, and Medicine 2019-10-20

One of the pathways by which the scientific community confirms the validity of a new scientific discovery is by repeating the research that produced it. When a scientific effort fails to independently confirm the computations or results of a previous study, some fear that it may be a symptom of a lack of rigor in science, while others argue that such an observed inconsistency can be an important precursor to new discovery. Concerns about reproducibility and replicability have been expressed in both scientific and popular media. As these concerns came to light, Congress requested that the National Academies of Sciences, Engineering, and Medicine conduct a study to assess the extent of issues related to reproducibility and replicability and to offer recommendations for improving rigor and transparency in scientific research. Reproducibility and Replicability in Science defines reproducibility and replicability and examines the factors that may lead to non-reproducibility and non-replicability in research. Unlike the typical expectation of reproducibility between two computations, expectations about replicability are more nuanced, and in some cases a lack of replicability can aid the process of scientific discovery. This report provides recommendations to researchers, academic institutions, journals, and funders on steps they can take to improve reproducibility and replicability in science.

Studying Engineering - Raymond B. Landis 2007

Understanding Construction Contracts - Akhtar Surahyo 2017-10-18

This book provides an overall understanding of construction contracts, explaining a range of topics with in-depth examples, allowing engineers, site managers, architects, contractors, and other construction professionals in search of information on construction contracts to find it in one place. The volume further serves as a learning tool and a reference guide for students and instructors. Adopting a primarily Canadian perspective, the book provides references from two Standard Contract Documents CCDC (Canadian Construction Document Committee) and FIDIC

(International Federation of Consulting Engineers) and briefly describes other major contract documents used within USA and UK construction industries.

Under the Influence - Robert H. Frank 2021-10-19

From New York Times bestselling author and economics columnist Robert Frank, bold new ideas for creating environments that promise a brighter future. Psychologists have long understood that social environments profoundly shape our behavior, sometimes for the better, often for the worse. But social influence is a two-way street—our environments are themselves products of our behavior. *Under the Influence* explains how to unlock the latent power of social context. It reveals how our environments encourage smoking, bullying, tax cheating, sexual predation, problem drinking, and wasteful energy use. We are building bigger houses, driving heavier cars, and engaging in a host of other activities that threaten the planet—mainly because that's what friends and neighbors do. In the wake of the hottest years on record, only robust measures to curb greenhouse gases promise relief from more frequent and intense storms, droughts, flooding, wildfires, and famines. Robert Frank describes how the strongest predictor of our willingness to support climate-friendly policies, install solar panels, or buy an electric car is the number of people we know who have already done so. In the face of stakes that could not be higher, the book explains how we could redirect trillions of dollars annually in support of carbon-free energy sources, all without requiring painful sacrifices from anyone. Most of us would agree that we need to take responsibility for our own choices, but with more supportive social environments, each of us is more likely to make choices that benefit everyone. *Under the Influence* shows how.

Engineering & Geoscience - NPPE - Wpe Studio 2021-10

This book is a relatively short but comprehensive guide to professional ethics and law that is primarily intended as study material for all those who need to take the National Professional Practice Examination (NPPE). It can be used as a textbook for a one-term undergraduate course on the subject. It may also prove to be a valuable

and handy reference for practicing engineering or geoscience professionals. Its text addresses the issues that have been observed with some annoyance by many candidates studying for the NPPE to become professional engineers and geoscientists. Overwhelmed by the 1300+ pages of official Study Materials? Unable to match the NPPE Syllabus to the Study Materials? Disappointed to find missing NPPE Syllabus topics from those 1300+ pages? Frustrated at having to do additional research to cover those missing topics? Having a hard time monitoring your progress? If your answers are Yes, then this book is definitely for you! 240 pages. All topics covered. No further research needed. It matches and follows the Syllabus! Having the proper study aid makes a huge difference when it comes to mastering the required concepts. While reading this book, you will know exactly how much of the NPPE Syllabus you have covered. A glance at the Table of Contents will lead you to the topic you want.

Structural Geology - Donal M. Ragan
2009-09-03

This combination of text and lab book presents an entirely different approach to structural geology. Designed for undergraduate laboratory classes, it provides a step-by-step guide for solving geometric problems arising from structural field observations. The book discusses both traditional methods and cutting-edge approaches, with emphasis given to graphical methods and visualization techniques that support students in tackling challenging two- and three-dimensional problems. Numerous exercises encourage practice in using the techniques, and demonstrate how field observations can be converted into useful information about geological structures and the processes responsible for creating them. This updated fourth edition incorporates new material on stress, deformation, strain and flow, and the underlying mathematics of the subject. With stereonet plots and solutions to the exercises available online at www.cambridge.org/ragan, this book is a key resource for undergraduates, advanced students and researchers wanting to improve their practical skills in structural geology.

Philosophy and Design - Pieter E. Vermaas
2007-12-05

This volume provides the reader with an integrated overview of state-of-the-art research in philosophy and ethics of design in engineering and architecture. It contains twenty-five essays that focus on engineering designing in its traditional sense, on designing in novel engineering domains, and on architectural and environmental designing. This volume enables the reader to overcome the traditional separation between engineering designing and architectural designing.

Soils: Basic Concepts and Future

Challenges - Riccardo Scalenghe 2006-10-12
This book was born as an international tribute to Fiorenzo C. Ugolini, an outstanding soil scientist, now retired from university teaching and research. It is a synthesis of the knowledge of soils, their genesis, functions and management, and includes contributions from leading soil scientists. It provides the basic concepts as well as data and practical examples from across the discipline. The book also discusses the increasingly important role of soils in enabling the preservation of life and contains a rare attempt to cross-harmonize the Soil Groups of the World Reference Base of Soil Resources with the Orders of the Soil Taxonomy. It also considers the possible existence of extraterrestrial soils based on the findings from the last space missions. This volume will be a valuable resource for researchers and students of soil science, soil conservation, geography and landscape ecology.

Essential Building Science - Jacob Deva Racusin
2016-11-28

Down and dirty - a complete step-by-step guide to making, installing and living with beautiful, all-natural earthen floors Poor heat and moisture management are the enemies of durable, comfortable, and efficient housing, and good building design and construction starts with a solid understanding of good building science. Essential Building Science provides a highly visual and accessible introduction to the fundamentals of building science for residential construction. Part one covers the rationale behind high-performance design and the fundamentals of building physics, including thermal dynamics, moisture transfer, and hygro-thermal dynamics such as vapor drive and condensation. Part two teaches the vital critical

thinking skills needed to consider buildings as whole systems and to develop thermal and moisture control strategies regardless of the specifics of the design. Case studies and examples from across North American climatic zones illuminate real-life problems and offer builders, designers, and DIYers the insights and tools required for creating better new buildings and dramatically improving old ones. Good science plus critical thinking equals high performance buildings.

Construction Law - Brian M. Samuels 1996
Brian Samuels has drawn on his experiences as a lawyer, educator, and professional engineer in writing this definitive new text on construction law. In *Construction Law* Samuels clarifies the confusing complexities of the law and creates a text oriented to students and practitioners in construction, engineering, and architecture. This text educates and advises the reader on vital topics of both U.S. and Canadian law that other texts often overlook. Basic principles are illustrated through the use of easy-to-follow actual case examples. This text enables the reader to understand essential legal principles that will aid in decision making and dispute avoidance.

Canadian Professional Engineering Practice and Ethics - G. C. (Gordon Clifford) Andrews 1999

Geological Survey of Canada, Open File 6981 -

Power, Speed, and Form - David P. Billington 2013-08-07

Power, Speed, and Form is the first accessible account of the engineering behind eight breakthrough innovations that transformed American life from 1876 to 1939—the telephone, electric power, oil refining, the automobile, the airplane, radio, the long-span steel bridge, and building with reinforced concrete. Beginning with Thomas Edison's system to generate and distribute electric power, the authors explain the Bell telephone, the oil refining processes of William Burton and Eugene Houdry, Henry Ford's Model T car and the response by General Motors, the Wright brothers' airplane, radio

innovations from Marconi to Armstrong, Othmar Ammann's George Washington Bridge, the reinforced concrete structures of John Eastwood and Anton Tedesko, and in the 1930s, the Chrysler Airflow car and the Douglas DC-3 airplane. These innovations used simple numerical ideas, which the Billingtons integrate with short narrative accounts of each breakthrough—a unique and effective way to introduce engineering and how engineers think. The book shows how the best engineering exemplifies efficiency, economy and, where possible, elegance. *With Power, Speed, and Form*, educators, first-year engineering students, liberal arts students, and general readers now have, for the first time in one volume, an accessible and readable history of engineering achievements that were vital to America's development and that are still the foundations of modern life.

Collecting Qualitative Data - Virginia Braun 2017-10-19

Is there more to qualitative data collection than face-to-face interviews? Answering with a resounding 'yes', this book introduces the reader to a wide array of exciting and novel techniques for collecting qualitative data in the social and health sciences. *Collecting Qualitative Data* offers a practical and accessible guide to textual, media and virtual methods currently under-utilised within qualitative research. Contributors from a range of disciplines share their experiences of implementing a particular technique, provide step-by-step guidance to using that approach, and highlight both the potential and pitfalls. From gathering blog data to the story completion method to conducting focus groups online, the methods and data types featured in this book are ideally suited to student projects and other time- and resource-limited research. In presenting several innovative ways that data can be collected, new modes of scholarship and new research orientations are opened up to student researchers and established scholars alike. Law for Professional Engineers - Donald L. Marston 1981-01-01