
Read Book Aci 349 13

Right here, we have countless books **Aci 349 13** and collections to check out. We additionally pay for variant types and after that type of the books to browse. The within acceptable limits book, fiction, history, novel, scientific research, as capably as various extra sorts of books are readily clear here.

As this Aci 349 13, it ends up swine one of the favored book Aci 349 13 collections that we have. This is why you remain in the best website to see the amazing book to have.

KEY=ACI - ARMSTRONG MAHONEY

ACI349-13 CODE REQUIREMENTS FOR NUCLEAR SAFETY-RELATED CONCRETE STRUCTURES (ACI 349-13) AND COMMENTARY

CODE REQUIREMENTS FOR NUCLEAR SAFETY-RELATED CONCRETE STRUCTURES (ACI 349-13) AND COMMENTARY : AN ACI STANDARDS

ACI 349M-13 CODE REQUIREMENTS FOR NUCLEAR SAFETY-RELATED CONCRETE STRUCTURES (ACI 349M-13) AND COMMENTARY

ACI 349K-13 CODE REQUIREMENTS FOR NUCLEAR SAFETY-RELATED CONCRETE STRUCTURES AND COMMENTARY (KOREAN)

ANCHORAGE IN CONCRETE CONSTRUCTION

John Wiley & Sons *A comprehensive treatment of current fastening technology using inserts (anchor channels, headed stud), anchors (metal expansion anchor, undercut anchor, bonded anchor, concrete screw and plastic anchor) as well as power actuated fasteners in concrete. It describes in detail the fastening elements as well as their effects and load-bearing capacities in cracked and non-cracked concrete. It further focuses on corrosion behaviour, fire resistance and characteristics with earthquakes and shocks. It finishes off with the design of fastenings according to the European Technical Approval Guideline (ETAG 001), the Final Draft of the CEN Technical Specification 'Design of fastenings for use in concrete' and the American Standards ACI 318-05, Appendix D and ACI 349-01, Appendix B.*

BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-08) AND COMMENTARY

American Concrete Institute *The quality and testing of materials used in construction are covered by reference to the appropriate ASTM standard specifications. Welding of reinforcement is covered by reference to the appropriate AWS standard. Uses of the Code include adoption by reference in general building codes, and earlier editions have been widely used in this manner. The Code is written in a format that allows such reference without change to its language. Therefore, background details or suggestions for carrying out the requirements or intent of the Code portion cannot be included. The Commentary is provided for this purpose. Some of the considerations of the committee in developing the Code portion are discussed within the Commentary, with emphasis given to the explanation of new or revised provisions. Much of the research data referenced in preparing the Code is cited for the user desiring to study individual questions in greater detail. Other documents that provide suggestions for carrying out the requirements of the Code are also cited.*

DESIGN OF REINFORCED CONCRETE

John Wiley & Sons Incorporated *Publisher Description*

CONCRETE STRUCTURES IN EARTHQUAKE

Springer *This book gathers 23 papers by top experts from 11 countries, presented at the 3rd Houston International Forum: Concrete Structures in Earthquake. Designing infrastructures to resist earthquakes has always been the focus and mission of scientists and engineers located in tectonically active regions, especially around the "Pacific Rim of Fire" including China, Japan, and the USA. The pace of research and innovation has accelerated in the past three decades, reflecting the need to mitigate the risk of severe damage to interconnected infrastructures, and to facilitate the incorporation of high-speed computers and the internet. The respective papers focus on the design and analysis of concrete structures subjected to earthquakes, advance the state of knowledge in disaster mitigation, and address the safety of infrastructures in general.*

BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-05) AND COMMENTARY (ACI 318R-05)

American Concrete Institute

A PRACTICAL COURSE IN ADVANCED STRUCTURAL DESIGN

CRC Press *A Practical Course in Advanced Structural Design is written from the perspective of a practicing engineer, one with over 35 years of experience, now working in the academic world, who wishes to pass on lessons learned over the course of a structural engineering career. The book covers essential topics that will enable beginning structural engineers to gain an advanced understanding prior to entering the workforce, as well as topics which may receive little or no attention in a typical undergraduate curriculum. For example, many new structural engineers are faced with issues regarding estimating collapse loadings during earthquakes and establishing fatigue requirements for cyclic loading - but are typically not taught the underlying methodologies for a full understanding. Features: Advanced practice-oriented guidance on structural building and bridge design in a single volume. Detailed treatment of earthquake ground motion from multiple specifications (ASCE 7-16, ASCE 4-16, ASCE 43-05, AASHTO). Details of calculations for the advanced student as well as the practicing structural engineer. Practical example problems and numerous photographs from the author's projects throughout. A Practical Course in Advanced Structural Design will serve as a useful text for graduate and upper-level undergraduate civil engineering students as well as practicing structural engineers.*

CONCRETE STRUCTURES

Springer *This revised, fully updated second edition covers the analysis, design, and construction of reinforced concrete structures from a real-world perspective. It examines different reinforced concrete elements such as slabs, beams, columns, foundations, basement and retaining walls and pre-stressed concrete incorporating the most up-to-date edition of the American Concrete Institute Code (ACI 318-14) requirements for the design of concrete structures. It includes a chapter on metric system in reinforced concrete design and construction. A new chapter on the design of formworks has been added which is of great value to students in the construction engineering programs along with practicing engineers and architects. This second edition also includes a new appendix with color images illustrating various concrete construction practices, and well-designed buildings. The ACI 318-14 constitutes the most extensive reorganization of the code in the past 40 years. References to the various sections of the ACI 318-14 are provided throughout the book to facilitate its use by students and professionals. Aimed at architecture, building construction, and undergraduate engineering students, the scope of concepts in this volume emphasize simplified and practical methods in the analysis and design of reinforced concrete. This is distinct from advanced, graduate engineering texts, where treatment of the subject centers around the theoretical and mathematical aspects of design. As in the first edition, this book adopts a step-by-step approach to solving analysis and design problems in reinforced concrete. Using a highly graphical and interactive approach in its use of detailed images and self-experimentation exercises, "Concrete Structures, Second Edition," is tailored to the most practical questions and fundamental concepts of design of structures in reinforced concrete. The text stands as an ideal learning resource for civil engineering, building construction, and architecture students as well as a valuable reference for concrete structural design professionals in practice.*

AN INTRODUCTION TO NATURAL HAZARD ANALYSIS AND DESIGN CRITERIA

Guyer Partners *Introductory technical guidance for civil engineers and other professional engineers and construction managers interested in analysis and design criteria to mitigate natural hazards. Here is what is discussed: 1. CRITERIA AND GUIDELINES FOR EXTREME STRAIGHT-LINE WIND, TORNADO, AND HURRICANE DESIGN 2. CRITERIA AND GUIDELINES FOR FLOOD, SEICHE, AND TSUNAMI DESIGN 3. PROBABILISTIC FLOOD HAZARD ASSESSMENT AND DETERMINATION OF FLOOD DESIGN PARAMETERS 4. SSC DESIGN AND EVALUATION TO MITIGATE FLOOD-RELATED HAZARDS*

STRUCTURAL ENGINEER'S POCKET BOOK

Elsevier Until now there has been no comprehensive pocket reference guide for professional and student structural engineers. The Structural Engineers Pocket Book is a unique compilation of all table, data, facts, formulae and rules of thumb needed for scheme design by structural engineers in the office, in transit or on site. By bringing together data from many sources, this pocket book is a compact source of job-simplifying information at an affordable price. It is a first point of reference as well as saving valuable time spent trying to track down information that is needed on a daily basis. This may be a small book in terms of its physical dimensions, but it contains a wealth of useful engineering knowledge. Concise and precise, the book is split into 13 sections, with quick and clear access to subject areas including: timber, masonry, concrete, aluminium and glass. British Standards are used and referenced throughout. *the only book of its kind for structural engineers. *brings together information from many different sources for the first time. *comprehensive, yet concise and affordable.

RECENT ADVANCES IN STRUCTURAL ENGINEERING, VOLUME 1

SELECT PROCEEDINGS OF SEC 2016

Springer This book is a collection of select papers presented at the Tenth Structural Engineering Convention 2016 (SEC-2016). It comprises plenary, invited, and contributory papers covering numerous applications from a wide spectrum of areas related to structural engineering. It presents contributions by academics, researchers, and practicing structural engineers addressing analysis and design of concrete and steel structures, computational structural mechanics, new building materials for sustainable construction, mitigation of structures against natural hazards, structural health monitoring, wind and earthquake engineering, vibration control and smart structures, condition assessment and performance evaluation, repair, rehabilitation and retrofit of structures. Also covering advances in construction techniques/ practices, behavior of structures under blast/impact loading, fatigue and fracture, composite materials and structures, and structures for non-conventional energy (wind and solar), it will serve as a valuable resource for researchers, students and practicing engineers alike.

ANCHORAGE IN CONCRETE CONSTRUCTION

John Wiley & Sons A comprehensive treatment of current fastening technology using inserts (anchor channels, headed stud), anchors (metal expansion anchor, undercut anchor, bonded anchor, concrete screw and plastic anchor) as well as power actuated fasteners in concrete. It describes in detail the fastening elements as well as their effects and load-bearing capacities in cracked and non-cracked concrete. It further focuses on corrosion behaviour, fire resistance and characteristics with earthquakes and shocks. It finishes off with the design of fastenings according to the European Technical Approval Guideline (ETAG 001), the Final Draft of the CEN Technical Specification 'Design of fastenings for use in concrete' and the American Standards ACI 318-05, Appendix D and ACI 349-01, Appendix B.

CODE REQUIREMENTS FOR ENVIRONMENTAL ENGINEERING CONCRETE STRUCTURES

American Concrete Institute

TIME-DEPENDENT BEHAVIOUR OF CONCRETE STRUCTURES

CRC Press Serviceability failures of concrete structures involving excessive cracking or deflection are relatively common, even in structures that comply with code requirements. This is often as a result of a failure to adequately account for the time-dependent deformations of concrete in the design of the structure. The serviceability provisions embodied in codes of practice are relatively crude and, in some situations, unreliable and do not adequately model the in-service behaviour of structures. In particular, they fail to adequately account for the effects of creep and shrinkage of the concrete. Design for serviceability is complicated by the non-linear and inelastic behaviour of concrete at service loads. Providing detailed information, this book helps engineers to rationally predict the time-varying deformation of concrete structures under typical in-service conditions. It gives analytical methods to help anticipate time-dependent cracking, the gradual change in tension stiffening with time, creep induced deformations and the load independent strains caused by shrinkage and temperature changes. The calculation procedures are illustrated with many worked examples. A vital guide for practising engineers and advanced students of structural engineering on the design of concrete structures for serviceability and provides a penetrating insight into the time-dependent behaviour of reinforced and prestressed concrete structures.

BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE

(ACI 318-14) ; AND COMMENTARY (ACI 318R-14)

PROCEEDINGS OF THE 18TH INTERNATIONAL CONFERENCE ON ENVIRONMENTAL DEGRADATION OF MATERIALS IN NUCLEAR POWER SYSTEMS - WATER REACTORS

Springer This two-volume set represents a collection of papers presented at the 18th International Conference on Environmental Degradation of Materials in Nuclear Power Systems - Water Reactors. The purpose of this conference series is to foster an exchange of ideas about problems and their remedies in water-cooled nuclear power plants of today and the future. Contributions cover problems facing nickel-based alloys, stainless steels, pressure vessel and piping steels, zirconium alloys, and other alloys in water environments of relevance. Components covered include pressure boundary components, reactor vessels and internals, steam generators, fuel cladding, irradiated components, fuel storage containers, and balance of plant components and systems.

STRUCTURES AND ARCHITECTURE - BRIDGING THE GAP AND CROSSING BORDERS

PROCEEDINGS OF THE FOURTH INTERNATIONAL CONFERENCE ON STRUCTURES AND ARCHITECTURE (ICSA 2019), JULY 24-26, 2019, LISBON, PORTUGAL

CRC Press Structures and Architecture - Bridging the Gap and Crossing Borders contains the lectures and papers presented at the Fourth International Conference on Structures and Architecture (ICSA2019) that was held in Lisbon, Portugal, in July 2019. It also contains a multimedia device with the full texts of the lectures presented at the conference, including the 5 keynote lectures, and almost 150 selected contributions. The contributions on creative and scientific aspects in the conception and construction of structures, on advanced technologies and on complex architectural and structural applications represent a fine blend of scientific, technical and practical novelties in both fields. ICSA2019 covered all major aspects of structures and architecture, including: building envelopes/façades; comprehension of complex forms; computer and experimental methods; futuristic structures; concrete and masonry structures; educating architects and structural engineers; emerging technologies; glass structures; innovative architectural and structural design; lightweight and membrane structures; special structures; steel and composite structures; structural design challenges; tall buildings; the borderline between architecture and structural engineering; the history of the relationship between architects and structural engineers; the tectonic of architectural solutions; the use of new materials; timber structures, among others. This set of book and multimedia device is intended for a global readership of researchers and practitioners, including architects, structural and construction engineers, builders and building consultants, constructors, material suppliers and product manufacturers, and other professionals involved in the design and realization of architectural, structural and infrastructural projects.

REINFORCED CONCRETE

A FUNDAMENTAL APPROACH

Prentice Hall Now reflecting the new 2008 ACI 318-08 Code and the new International Building Code (IBC-2006), this cutting-edge text has been extensively revised to present state-of-the-art developments in reinforced concrete. The text analyzes the design of reinforced concrete members through a unique and practical step-by-step trial and adjustment procedure. It is supplemented with flowcharts that guide readers logically through key features and underlying theory. Hundreds of photos of tests to failure of concrete elements help readers visualize this behavior. Ideal for practicing engineers who need to contend with the new revisions of the ACI, IBC, and AASHTO Codes.

MANUAL FOR DETAILING REINFORCED CONCRETE STRUCTURES TO EC2

CRC Press Detailing is an essential part of the design process. This thorough reference guide for the design of reinforced concrete structures is largely based on Eurocode 2 (EC2), plus other European design standards such as Eurocode 8 (EC8), where appropriate. With its large format, double-page spread layout, this book systematically details 213 structural

SEISMIC ANALYSIS OF SAFETY-RELATED NUCLEAR STRUCTURES, AND COMMENTARY ON STANDARD FOR SEISMIC ANALYSIS OF SAFETY RELATED NUCLEAR STRUCTURES

Amer Society of Civil Engineers

CCNP DATA CENTER APPLICATION CENTRIC INFRASTRUCTURE 300-620 DCACI OFFICIAL CERT GUIDE

Trust the best-selling Official Cert Guide series from Cisco Press to help you learn, prepare, and practice for exam success. They are built with the objective of providing assessment, review, and practice to help ensure you are fully prepared for your certification exam. CCNP Data Center Application Centric Infrastructure DCACI 300-620 Official Cert Guide presents you with an organized test-preparation routine using proven series elements and techniques. "Do I Know This Already?" quizzes open each chapter and enable you to decide how much time you need to spend on each section. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. * Master CCNP Data Center Application Centric Infrastructure DCACI 300-620 exam topics * Assess your knowledge with chapter-opening quizzes * Review key concepts with exam preparation tasks * Practice with realistic exam questions in the practice test software CCNP Data Center Application Centric Infrastructure DCACI 300-620 Official Cert Guide from Cisco Press enables you to succeed on the exam the first time and is the only self-study resource approved by Cisco. Leading Cisco data center technology expert Ammar Ahmadi shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. This complete study package includes * A test-preparation routine proven to help you pass the exams * Do I Know This Already? quizzes, which enable you to decide how much time you need to spend on each section * Chapter-ending exercises, which help you drill on key concepts you must know thoroughly * The powerful Pearson Test Prep Practice Test software, with two full exams comprised of well-reviewed, exam-realistic questions, customization options, and detailed performance reports * A final preparation chapter, which guides you through tools and resources to help you craft your review and test-taking strategies * Study plan suggestions and templates to help you organize and optimize your study time * Video mentoring from the author's Complete Video Course Well regarded for its level of detail, study plans, assessment features, and challenging review questions and exercises, this official study guide helps you master the concepts and techniques that ensure your exam success. This official study guide helps you master all the topics on the CCNP Data Center Application Centric Infrastructure DCACI 300-620 exam. It tests your knowledge of Cisco switches in ACI mode, including - ACI fabric infrastructure - ACI packet forwarding - External network connectivity - Integrations - ACI management - ACI Anywhere Companion Website: The companion website contains two full practice exams, an interactive Flash Cards application, video mentoring from the author's Complete Video Course, and much more. Includes Exclusive Offers for Up to 80% Off Video Training, Practice Tests, and more Pearson Test Prep online system requirements: Browsers: Chrome version 40 and above; Firefox version 35 and above; Safari version 7; Internet Explorer 10, 11; Microsoft Edge; Opera. Devices: Desktop and laptop computers, tablets running on Android and iOS, smartphones with a minimum screen size of 4.7". Internet access required. Pearson Test Prep offline system requirements: Windows 10, Windows 8.1, Windows 7; Microsoft .NET Framework 4.5 Client; Pentium-class 1 GHz processor (or equivalent); 512 MB RAM; 650 MB disk space plus 50 MB for each downloaded practice exam; access to the Internet to register and download exam databases Also available from Cisco Press for CCNP Data Center DCACI study is the CCNP Data Center Application Centric Infrastructure DCACI 300-620 Official Cert Guide Premium Edition eBook and Practice Test. This digital-only certification preparation product combines an eBook with enhanced Pearson Test Prep Practice Test. This integrated learning package: * Allows you to focus on individual topic areas or take complete, timed exams * Includes direct links from each question to detailed tutorials to help you understand the concepts behind the questions * Provides unique sets of exam-realistic practice questions * Tracks your performance and provides feedback on a module-by-module basis, laying out a complete assessment of your knowledge to help you focus your study where it is needed most

CCNP AND CCIE DATA CENTER CORE DCCOR 350-601 OFFICIAL CERT GUIDE

IMPLEMENTING AND OPERATING CISCO DATA CENTER CORE TECHNOLOGIES

Cisco Press This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. Access to the personal video mentoring is available through product registration at Cisco Press; or see the instructions in the back pages of your eBook. Learn, prepare, and practice for CCNP/CCIE Data Center Core DCCOR 350-601 exam success with this Cert Guide from Cisco Press, a leader in IT certification learning and the only self-study resource approved by Cisco. · Master CCNP/CCIE Data Center Core DCCOR 350-601 exam topics · Assess your knowledge with chapter-ending quizzes · Review key concepts with exam preparation tasks · Learn from more than two hours of video mentoring CCNP and CCIE Data Center Core DCCOR 350-601 Official Cert Guide is a best-of-breed exam study guide. Expert authors Somit Maloo and Firas Ahmed share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The book presents you with an organized test-preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. The book also contains more than two hours of personal video mentoring from the Pearson IT Certification Complete Video Course. Go to the back pages of your eBook for instructions on how to access the personal video mentoring content. Well regarded for its level of detail, assessment features, and challenging review questions and exercises, this study guide helps you master the concepts and techniques that will help you succeed on the exam the first time. This official study guide helps you master all the topics on the CCNP/CCIE Data Center Core DCCOR 350-601 exam, including · Network · Compute · Storage Network · Automation · Security

SIZE-SCALE EFFECTS IN THE FAILURE MECHANISMS OF MATERIALS AND STRUCTURES

CRC Press Invited international contributions to this exciting new research field are included in this volume. It contains the specially selected papers from 45 key specialists given at the Symposium held under the auspices of the prestigious International Union of Theoretical and Applied Mechanics at Turin in October 1994.

ACI ADVANCED MONITORING AND TROUBLESHOOTING

ACI Advanced Monitoring and Troubleshooting provides a solid conceptual foundation and in-depth technical knowledge for monitoring and troubleshooting virtually any problem encountered during testing, deployment, or operation of Cisco Application Centric Infrastructure (ACI) infrastructure. Authored by leading ACI support experts at Cisco, it covers all you'll need to keep your ACI deployment working optimally. Coverage includes: Core ACI concepts and components, including Nexus 9000 Series platforms, APIC controllers, and protocols In-depth insight into ACI's policy model ACI fabric design options: single and multiple data centers, stretched vs. multiple fabrics, and multi-pod/multi-site Automation, orchestration, and the cloud in ACI environments ACI topology and hardware/software specifications End host and network connectivity VMM integration Network management configuration, including SNMP, AAA, and SPAN Monitoring ACI fabrics and health Getting immediate results through the NX-OS command line interface Troubleshooting use cases: fabric discovery, APIC, management access, contracts, external connectivity, leaf/spine connectivity, end-host connectivity, VMM problems, ACI multi-pod/multi-site problems, and more

DESIGN OF PRESTRESSED CONCRETE

SOLUTIONS MANUAL

Wiley

REINFORCEMENT LEARNING, SECOND EDITION

AN INTRODUCTION

MIT Press The significantly expanded and updated new edition of a widely used text on reinforcement learning, one of the most active research areas in artificial intelligence. Reinforcement learning, one of the most active research areas in artificial intelligence, is a computational approach to learning whereby an agent tries to maximize the total amount of reward it receives while interacting with a complex, uncertain environment. In Reinforcement Learning, Richard Sutton and Andrew Barto provide a clear and simple account of the field's key ideas and algorithms. This second edition has been

significantly expanded and updated, presenting new topics and updating coverage of other topics. Like the first edition, this second edition focuses on core online learning algorithms, with the more mathematical material set off in shaded boxes. Part I covers as much of reinforcement learning as possible without going beyond the tabular case for which exact solutions can be found. Many algorithms presented in this part are new to the second edition, including UCB, Expected Sarsa, and Double Learning. Part II extends these ideas to function approximation, with new sections on such topics as artificial neural networks and the Fourier basis, and offers expanded treatment of off-policy learning and policy-gradient methods. Part III has new chapters on reinforcement learning's relationships to psychology and neuroscience, as well as an updated case-studies chapter including AlphaGo and AlphaGo Zero, Atari game playing, and IBM Watson's wagering strategy. The final chapter discusses the future societal impacts of reinforcement learning.

ACI MANUAL OF CONCRETE PRACTICE

UNIFIED THEORY OF CONCRETE STRUCTURES

[John Wiley & Sons](#) *Unified Theory of Concrete Structures* develops an integrated theory that encompasses the various stress states experienced by both RC & PC structures under the various loading conditions of bending, axial load, shear and torsion. Upon synthesis, the new rational theories replace the many empirical formulas currently in use for shear, torsion and membrane stress. The unified theory is divided into six model components: a) the struts-and-ties model, b) the equilibrium (plasticity) truss model, c) the Bernoulli compatibility truss model, d) the Mohr compatibility truss model, e) the softened truss model, and f) the softened membrane model. Hsu presents the six models as rational tools for the solution of the four basic types of stress, focusing on the significance of their intrinsic consistencies and their inter-relationships. Because of its inherent rationality, this unified theory of reinforced concrete can serve as the basis for the formulation of a universal and international design code. Includes an appendix and accompanying website hosting the authors' finite element program SCS along with instructions and examples Offers comprehensive coverage of content ranging from fundamentals of flexure, shear and torsion all the way to non-linear finite element analysis and design of wall-type structures under earthquake loading. Authored by world-leading experts on torsion and shear

ASSESSMENT, EVALUATION, AND REPAIR OF CONCRETE, STEEL, AND OFFSHORE STRUCTURES

[CRC Press](#) *Civil engineers must assure that buildings have long and durable lives, and therefore structural assessment and repair are routinely required and must be performed with the utmost accuracy and professionalism. Assessment, Evaluation, and Repair of Concrete, Steel, and Offshore Structures* presents the typical causes of structural failure and their mechanisms, discusses the most up-to-date methods for evaluation and structural assessment, and explains the best project management strategies from the feasibility stage through operations and maintenance. Numerous types of structures are examined and are further illustrated by relevant case studies. Features: Examines the probability of several types of structural failure and includes reliability analysis. Presents best practices for predicting the structural lifetime for both onshore and offshore structures and reviews the most advanced methods for repair. Includes numerous practical case studies of structural failure and offers mitigation strategies depending of type of structure.

ACI STRUCTURAL JOURNAL

MULTIFUNCTIONAL CEMENT-BASED MATERIALS

[CRC Press](#) *Unique in its focus on functional properties, this book examines the resistive, piezoresistive, thermoelectric, and electromagnetic behavior of multifunctional cement-based materials for reduced cost, improved durability and maintenance, and optimization of various structural designs. The author analyzes cement-based compounds for enhancing a wide-range of structures, including buildings, bridges, highways, automobiles, and aircrafts, exploring characteristics such as vibration damping, strain sensing, electromagnetic and magnetic shielding, electrical conductivity, and thermal insulation for improved structure stability and performance.*

ACI 318-19 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-19) AND COMMENTARY (ACI 318R-19)

HANDBOOK OF CONCRETE ENGINEERING

[Springer](#)

INTERNATIONAL ENERGY CONSERVATION CODE

STUDY COMPANION

[Cengage Learning](#) *The Study Companion is a comprehensive self-study guide for the 2009 International Energy Conservation Code. Ten study sessions cover administration and enforcement as well as energy efficiency in residential and commercial structures. A 20-question quiz is provided at the end of each study session.*

CONCRETE AND GROUT IN NUCLEAR AND HAZARDOUS WASTE DISPOSAL

11TH PHD SYMPOSIUM IN TOKYO JAPAN

[FIB - Féd. Int. du Béton](#)

BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318M-08) AND COMMENTARY
