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Microbial Siderophores - Ajit Varma 2007-07-04

In response to low iron availability in the environment most microorganisms synthesize iron chelators, called siderophores. Bacteria and fungi produce a broad range of structurally diverse siderophores, all of which show a very high affinity for ferric ions. This book presents an up-to-date overview of the chemistry, biology and biotechnology of these iron chelators. Coverage ranges from an introductory chapter to siderotyping to applications in human and plant health.

Structural Use of Concrete - British Standards Institution 1997

Concretes, Construction materials, Buildings, Structures, Structural design, Loading, Reinforced concrete, Strength of materials, Framed structures, Beams, Slabs, Structural members, Shear stress, Columns, Walls, Stability, Stairs, Foundations, Reinforcement, Prestressed concrete, Precast concrete, Composite construction, Composition, Durability, Concrete mixes, Curing (concrete), Formwork, Finishes, Movement joints, Grouting

Pressure Vessel Design Handbook - Henry H. Bednar 1986

A practical handbook, this second edition of a successful guide will prove itself valuable on a daily basis with its reliable and up to date facts and figures. The intent is to increase the reader's design efficiency with numerous design shortcuts, derivations of established design procedures, and new design techniques. Time-saving formulas,

calculations, examples, and solutions to design problems appear through.

Planning, Development and Management of Sustainable Cities -

Tan Yigitcanlar 2019-04-30

The concept of 'sustainable urban development' has been pushed to the forefront of policymaking and politics as the world wakes up to the impacts of climate change and the destructive effects of the Anthropocene. Climate change has emerged to be one of the biggest challenges faced by our planet today, threatening both built and natural systems with long-term consequences, which may be irreversible. While there is a vast body of literature on sustainability and sustainable urban development, there is currently limited focus on how to cohesively bring together the vital issues of the planning, development, and management of sustainable cities. Moreover, it has been widely stated that current practices and lifestyles cannot continue if we are to leave a healthy living planet to not only the next generation, but also to the generations beyond. The current global school strikes for climate action (known as Fridays for Future) evidences this. The book advocates the view that the focus needs to rest on ways in which our cities and industries can become green enough to avoid urban ecocide. This book fills a gap in the literature by bringing together issues related to the planning, development, and management of cities and focusing on a triple-bottom-

line approach to sustainability.

Recent Advancement in White Biotechnology Through Fungi - Ajar Nath Yadav 2019-04-24

White biotechnology is industrial biotechnology dealing with various biotech products through applications of microbes. The main application of white biotechnology is commercial production of various useful organic substances, such as acetic acid, citric acid, acetone, glycerine, etc., and antibiotics like penicillin, streptomycin, mitomycin, etc., and value added product through the use of microorganisms especially fungi and bacteria. The value-added products included bioactive compounds, secondary metabolites, pigments and industrially important enzymes for potential applications in agriculture, pharmaceuticals, medicine and allied sectors for human welfare. In the 21st century, techniques were developed to harness fungi to protect human health (through antibiotics, antimicrobial, immunosuppressive agents, value-added products etc.), which led to industrial scale production of enzymes, alkaloids, detergents, acids, biosurfactants. The first large-scale industrial applications of modern biotechnology have been made in the areas of food and animal feed production (agricultural/green biotechnology) and pharmaceuticals (medical/red biotechnology). In contrast, the production of bio-active compounds through fermentation or enzymatic conversion is known industrial or white biotechnology. The beneficial fungal strains may play important role in agriculture, industry and the medical sectors. The beneficial fungi play a significance role in plant growth promotion, and soil fertility using both, direct (solubilization of phosphorus, potassium and zinc; production of indole acetic acid, gibberellic acid, cytokinin and siderophores) and indirect (production of hydrolytic enzymes, siderophores, ammonia, hydrogen cyanides and antibiotics) mechanisms of plant growth promotion for sustainable agriculture. The fungal strains and their products (enzymes, bio-active compounds and secondary metabolites) are very useful for industry. The discovery of antibiotics is a milestone in the development of white biotechnology. Since then, white biotechnology has steadily developed and now plays a key role in several industrial sectors, providing both high valued

nutraceuticals and pharmaceutical products. The fungal strains and bio-active compounds also play important role in the environmental cleaning. This volume covers the latest research developments related to value-added products in white biotechnology through fungi.

Roloff/Matek Maschinenelemente - Dieter Muhs 2013-12-21

Diese umfassende normgerechte Darstellung von Maschinenelementen für den Unterricht ist in ihrer Art bislang unübertroffen. Durch fortwährende Überarbeitung sind alle Bestandteile des Lehrsystems ständig auf dem neuesten Stand und in sich stimmig. Die ausführliche Herleitung von Berechnungsformeln macht die Zusammenarbeit und Hintergründe transparent. Schnell anwendbare Berechnungsformeln ermöglichen die sofortige Dimensionierung von Bauteilen. Der um das Kapitel Tribologie erweiterte Inhalt ist in 24 Kapitel übersichtlich gegliedert. Dem Lehrbuch ist eine CD beigegeben. Sie enthält die Studienversion der marktführenden Berechnungssoftware MDesign von T-Data. Bitte beachten Sie unsere zusätzlichen Hinweise und Hilfen unter www.roloff-matek.de.

Untangling the Quaternary Period - Richard B. Waitt 2021-04-20

"This volume brings together nineteen papers of interdisciplinary Quaternary science honoring Stephen Porter. Special Paper 548 features papers from six continents, on wide-ranging topics including glaciation, paleoecology, landscape evolution, megafloods, and loess. The topical and geographical range of the papers, as well as their interdisciplinary nature, honor Porter's distinct approach to Quaternary science and leadership that influence the field to this day"--

Roloff/Matek Maschinenelemente - Wilhelm Matek 2013-12-21

Diese umfassende normgerechte Darstellung von Maschinenelementen für den Unterricht ist in ihrer Art bislang unübertroffen. Durch fortwährende Überarbeitung sind alle Bestandteile des Lehrsystems ständig auf dem neuesten Stand und in sich stimmig. Die ausführliche Herleitung von Berechnungsformeln macht die Zusammenarbeit und Hintergründe transparent. Schnell anwendbare Berechnungsformeln ermöglichen die sofortige Dimensionierung von Bauteilen. Der um die Kapitel Bremsen und Dichtungen erweiterte Inhalt ist in 23 Kapitel

übersichtlich gegliedert. Das Kapitel Festigkeit, zulässige Spannung wurde komplett überarbeitet in Anlehnung an DIN 743 und FKM-Richtlinie (Heft 183). Dem Lehrbuch ist eine CD beigegeben. Sie enthält: 42 Excel-Arbeitsblätter zu Standardelementen mit viel Hintergrundinformation in Form von Info-Fenstern, farbige Aufmachung, praxisgerechte Berechnungsgänge und einer Werkstoffdatenbank. Die Werkstofftabellen erleichtern die Werkstoffauswahl bei der Konstruktion. *Heat Capacities and Entropies of Organic Compounds in the Condensed Phase* - E. S. Domalski 1984

Recent Trends in Civil Engineering - K. K. Pathak 2020-09-27

This book presents the selected peer-reviewed proceedings of the International Conference on Recent Trends and Innovations in Civil Engineering (ICRTICE 2019). The volume focuses on latest research and advances in the field of civil engineering and materials science such as design and development of new environmental materials, performance testing and verification of smart materials, performance analysis and simulation of steel structures, design and performance optimization of concrete structures, and building materials analysis. The book also covers studies in geotechnical engineering, hydraulic engineering, road and bridge engineering, building services design, engineering management, water resource engineering and renewable energy. The contents of this book will be useful for students, researchers and professionals working in civil engineering.

Drilling Engineering - Neal Jay Adams 1985

Zeolite Synthesis - Mario L. Occelli 1989

This volume is a complete progress report on the various aspects of zeolite synthesis on a molecular level. It provides many examples that illustrate how zeolites can be crystallized and what the important parameters are that control crystallization. Forty-two chapters cover such topics as: crystallization techniques; gel chemistry; crystal size and morphology; the role of organic compounds; and novel synthesis procedures. It offers a complete review of zeolite synthesis as well as the

latest finding in this important field. Contains benchmark contributions from many notable pioneers in the field, including R.M. Barrer, H. Robson, and Robert Milton.

Design Aids for Offshore Topside Platforms Under Special Loads - Srinivasan Chandrasekaran 2021-11-29

Offshore platforms face many risks, including a hostile ocean environment, extreme temperatures, overpressure loads, fire risks, and hydrocarbon explosions, all of which pose unique challenges in designing their topside platforms. The topside design also involves the selection of appropriate materials to reduce fire risk without compromising the functional requirements. These platforms serve valuable, utility, production, and processing purposes, and can also provide living quarters for personnel. Concepts such as basic design, special design, materials selection, and risk hazards are explained in the authors' straightforward classroom style, and are based on their rich experience in both academia and industry. Features • Includes practical examples which are solved using international codes to offer a better understanding of the subjects presented • Addresses safety and risk of offshore platforms, and considers numerous topside accident scenarios • Discusses the structural and mechanical properties of various materials, such as steel and newer functionally graded materials (FGMs) Design Aids for Offshore Topside Platforms Under Special Loads serves as a design manual for multi-disciplinary engineering graduates and practicing professionals working in civil, mechanical, offshore, naval, and petroleum engineering fields. In addition, the book will serve as reference manual for practicing design engineers and risk assessors. *Security of Block Ciphers* - Kazuo Sakiyama 2016-04-25

A comprehensive evaluation of information security analysis spanning the intersection of cryptanalysis and side-channel analysis Written by authors known within the academic cryptography community, this book presents the latest developments in current research Unique in its combination of both algorithmic-level design and hardware-level implementation; this all-round approach - algorithm to implementation - covers security from start to completion Deals with AES (Advanced

Encryption standard), one of the most used symmetric-key ciphers, which helps the reader to learn the fundamental theory of cryptanalysis and practical applications of side-channel analysis

Concrete Foundations for Turbine Generators - American Society of Civil Engineers. Task Committee on Turbine Generator Foundations 2018 MOP 136 provides practical guidance for the analysis, design, and construction of concrete foundations for turbine generators.

Mechanical and Metal Trades Handbook - Roland Gomeringer 2018-05

Fungal Siderophores - Kalyani Dhusia 2021-02-09

In the past few decades, it has been realized through research that fungal siderophores epitomize the uptake of iron as well as other essential elements like zinc, magnesium, copper, nickel and arsenic. Understanding the chemical structures of different fungal siderophores and the membrane receptors involved in uptake of mineral ions has opened new areas for research. In this edited volume, recent research is presented on fungal siderophores in one comprehensive volume to provide researchers a strong base for future research. Siderophores are the low molecular weight, high affinity iron-chelating compounds produced by bacteria and fungi. They are responsible for transporting iron across the cell membrane. Fungi produce a range of hydroxamate siderophores involved in the uptake of essential elements in almost all microorganisms and plants. In recent years, siderophores have been used in molecular imaging applications to visualize and understand cellular functions, which thus provide an opportunity to identify new drug targets. Therefore, knowledge of fungal siderophores has become vital in current research. Siderophores have received much attention in recent years because of their potential roles and applications in various research areas. Their significance in these applications is because siderophores have the ability to bind a variety of metals in addition to iron, and they have a wide range of chemical structures and specific properties. For instance, siderophores function as biocontrols, biosensors, and bioremediation and chelation agents, in addition to their

important role in weathering soil minerals and enhancing plant growth. This book focuses on siderophores with the following significant points. It discusses leading, state-of-the-art research in all possible areas on fungal siderophores. The contributors are well-known and recognized authorities in the field of fungal siderophores. It discusses a projection of practical applications of fungal siderophores in various domains. This is the first book exclusively on fungal siderophores. In this comprehensive, edited volume, we show leading research on fungal siderophores and provide the most recent knowledge of researchers' work on siderophores. This book presents in-depth knowledge on siderophores to researchers working in areas of health sciences, microbiology, plant sciences, biotechnology, and bioinformatics.

Asia's Next Giant - Alice Hoffenberg Amsden 1992

South Korea has been quietly growing into a major economic force, even challenging Japan in some industries. This growth may be seen as an example of "late industrialization" and this book discusses this point.

Recent Advances in Structural Engineering, Volume 1 - A. Rama Mohan Rao 2018-08-01

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.

Industrially Important Fungi for Sustainable Development - Ahmed M. Abdel-Azeem 2021-06-18

Fungi are an understudied, biotechnologically valuable group of organisms. Due to their immense range of habitats, and the consequent need to compete against a diverse array of other fungi, bacteria, and animals, fungi have developed numerous survival mechanisms. However, besides their major basic positive role in the cycling of minerals, organic matter and mobilizing insoluble nutrients, fungi have other beneficial impacts: they are considered good sources of food and active agents for a number of industrial processes involving fermentation mechanisms as in the bread, wine and beer industry. A number of fungi also produce biologically important metabolites such as enzymes, vitamins, antibiotics and several products of important pharmaceutical use; still others are involved in the production of single cell proteins. The economic value of these marked positive activities has been estimated as approximating to trillions of US dollars. The unique attributes of fungi thus herald great promise for their application in biotechnology and industry. Since ancient Egyptians mentioned in their medical prescriptions how they can use green molds in curing wounds as the obvious historical uses of penicillin, fungi can be grown with relative ease, making production at scale viable. The search for fungal biodiversity, and the construction of a living fungi collection, both have incredible economic potential in locating organisms with novel industrial uses that will lead to novel products. Fungi have provided the world with penicillin, lovastatin, and other globally significant medicines, and they remain an untapped resource with enormous industrial potential. Volume 1 of *Industrially Important Fungi for Sustainable Development* provides an overview to understanding fungal diversity from diverse habitats and their industrial application for future sustainability. It encompasses current advanced knowledge of fungal communities and their potential biotechnological applications in industry and allied sectors. The book will be useful to scientists, researchers, and students of microbiology, biotechnology, agriculture, molecular biology, and environmental biology.

Solar Cells - S. K. Sharma 2020-01-07

This book addresses the rapidly developing class of solar cell materials and designed to provide much needed information on the fundamental principles of these materials, together with how these are employed in photovoltaic applications. A special emphasize have been given for the space applications through study of radiation tolerant solar cells. This book present a comprehensive research outlining progress on the synthesis, fabrication and application of solar cells from fundamental to device technology and is helpful for graduate students, researchers, and technologists engaged in research and development of materials.

Montreal's Expo 67 - Bill Cotter 2020-02-03

In 1967, Canada celebrated the 100th anniversary of its founding with a spectacular party, and the whole world was invited. Montreal's Expo 67 was the first world's fair held in Canada, and it was a huge success, attracting over 50 million visitors. The 1,000-acre site was built on two man-made islands in the St. Lawrence River and incorporated 90 futuristic pavilions created by some of the world's greatest architects and designers. Over 60 countries were represented, along with many private, corporate and thematic pavilions, all brought together under the theme "Man and his World." With performers and entertainers of all varieties, restaurants, cultural attractions, exhibitions and a world-class amusement park, Expo 67 was literally the party of the century, exceeding all expectations.

Chlorine and Hydrogen Chloride - Assembly of Life Sciences (U.S.).

Committee on Medical and Biologic Effects of Environmental Pollutants 1976

1 INTRODUCTION. 2 SOURCERS OF CHLORINE AND HYDROGEN CHLORIDE. 3 CONSUMPTION OF CHLORINE AND HYDROGEN CHLORIDE. 4 ATMOSPHERIC CHEMISTRY OF CHLORINE COMPOUNDS. 5 EFFECTS OF CHLORINE AND HYDROGEN CHLORIDE ON MAN AND ANIMALS. 6 EFFECTS OF CHLORINE AND HYDROGEN CHLORIDE ON VEGETATION. 7 PROPERTY DAMAGE AND PUBLIC NUISANCE. 8 SAFETY IN USE AND HANDLING OF CHLORINE AND ANHYDROUS HYDROGEN CHLORIDE.

United States General Imports of Merchandise - 1945

Understanding the Apple IIe - James Fielding Sather 1985

Provides detailed technical information about the Apple IIe personal computer, including bus structure, timing generation, the 6502 microprocessor, memory management, video generation, and the disk controller

Panama Canal Record - Canal Zone 1919

Minimization of Welding Distortion and Buckling - Pan Michaleris
2011-05-25

Welding is a cost-effective and flexible method of fabricating large structures, but drawbacks such as residual stress, distortion and buckling must be overcome in order to optimize structural performance. Minimization of welding distortion and buckling provides a systematic overview of the methods of minimizing distortion and buckling in welded structures. Following an introductory chapter, part one focuses on understanding welding stress and distortion, with chapters on such topics as computational welding mechanics, modelling the effect of phase transformations on welding stress and distortion and using computationally efficient reduced-solution methods to understand welding distortion. Part two covers different methods of minimizing welding distortion. Chapters discuss methods such as differential heating for minimizing distortion in welded stiffeners, dynamic thermal tensioning, reverse-side heating and ways of minimizing buckling such as weld cooling and hybrid laser arc welding. With its distinguished editor and international team of contributors, Minimization of welding distortion and buckling is an essential reference for all welders and engineers involved in fabrication of metal end-products, as well as those in industry and academia with a research interest in the area. Provides a systematic overview of the methods of minimizing distortion and buckling in welded structures Focuses on understanding welding stress and distortion featuring computational welding mechanics and modelling the effect of phase transformations Explores different methods of minimizing welding distortion discussing differential heating and dynamic thermal tensioning

Seals and Sealing Handbook - Robert K. Flitney 2014-06-13

Seals and Sealing Handbook, 6th Edition provides comprehensive coverage of sealing technology, bringing together information on all aspects of this area to enable you to make the right sealing choice. This includes detailed coverage on the seals applicable to static, rotary and reciprocating applications, the best materials to use in your sealing systems, and the legislature and regulations that may impact your sealing choices. Updated in line with current trends this updated reference provides the theory necessary for you to select the most appropriate seals for the job and with its 'Failure Guide', the factors to consider should anything go wrong. Building on the practical, stepped approach of its predecessor, Seals and Sealing Handbook, 6th Edition remains an essential reference for any engineer or designer who uses seals in their work. A comprehensive reference covering a broad range of seal types for all situations, to ensure that you are able to select the most appropriate seal for any given task Includes supporting case studies and a unique 'Failure Guide' to help you troubleshoot if things go wrong New edition includes the most up-to-date information on sealing technology, making it an essential reference for anyone who uses seals in their work
Is Sp 34 : Handbook On Concrete Reinforcement And Detailing - Bis 1987-01-01

Roloff - Matek Maschinenelemente - Hermann Roloff 2007

Diese umfassende normgerechte Darstellung von Maschinenelementen ist in ihrer Art bislang unübertroffen. Die ausführlich hergeleiteten und schnell anwendbaren Berechnungsformeln ermöglichen die sofortige Dimensionierung von Bauteilen. Durch regen Austausch mit der Industrie konnte der Anwendungsbezug weiter verbessert werden. In dieser 18. Auflage wurden die Kapitel Kleben und Lötten zusammengefasst und das Kapitel Tribologie vorgezogen, da es die Grundlage für spätere Kapitel wie Lager bildet. Bei den Welle-Nabe-Verbindungen wurden die Kegelspannsysteme überarbeitet und bei den Zahnradern die Berechnung innenverzahnter Zahnräder neu aufgenommen. Die Aktualisierung der Werkstofftabellen machte das

Neuzeichnen der Dauerfestigkeitsschaubilder erforderlich. Dem Buch ist eine CD beigegeben. Sie enthält die Studienversion der marktführenden Berechnungssoftware MDesign von TEDATA. Powerpoint-Präsentationen mit wertvollen Erläuterungen für ausgewählte Elemente findet man unter www.roloff-matek.de.

Atomic Energy Levels as Derived from the Analyses of Optical Spectra - Charlotte Emma Moore 1971

Introduction to Finite Element Vibration Analysis - Maurice Petyt 1998-07-30

First time paperback of successful mechanical engineering book suitable as a textbook for graduate students in mechanical engineering.

Roloff/Matek Maschinenelemente - Herbert Wittel 2019-08-30

Umfassende Informationen, Normenaktualität, leichte Verständlichkeit und schnelle Nutzbarkeit der Auslegungs- oder Berechnungsgleichungen ermöglichen die sofortige Dimensionierung von Bauteilen. Auf der Homepage findet man interaktive Excel-Arbeitsblätter zu ausgesuchten Hauptkapiteln des Lehrbuchs. In der aktuellen Auflage wurden das Kapitel Schweißen komplett überarbeitet und die DIN EN ISO 2553 eingearbeitet. Die Berechnung von Passfedern und Pressverbänden wurde nach Norm angepasst. Das Kapitel 23 wurde überarbeitet und Verschleiß an Schneckengetrieben aufgenommen. Die Bilder der Kapitel 21-24 sind jetzt farbig ausgeführt und bieten somit eine bessere Verständlichkeit.

Large Asian Lakes in a Changing World - Steffen Mischke 2020-05-11

Describing the natural state of eight important lakes in Asia and the human impact on these lake ecosystems, this book offers a valuable reference guide. Over the past several decades the Aral Sea, Dead Sea, Lake Balkhash and other major lakes in Asia have undergone significant changes with regard to their size, water level, chemical composition, and flora and fauna. Most of these changes resulted from the loss of water from tributaries (now used for irrigation farming) or increasing consumption in local industries and households. However, significant human impacts may have begun as early as 2000 years ago. In addition

to the three lakes mentioned above, Lake Sevan (Armenia), the Caspian Sea (Azerbaijan, Iran, Kazakhstan, Russia, Turkmenistan), Lake Issyk-Kul (Kyrgyzstan), and Lake Lop Nur (China) are discussed as the most prominent examples of changing lake ecosystems. In contrast, an example of an almost pristine lake ecosystem is included with the report on Lake Uvs Nuur (Mongolia). For each lake, the book summarizes its origin and early geological history, and reconstructs its natural state and variability on the basis of proxy records from drilled or exposed lake sediments that have accumulated since the last ice age. The frequently observed reductions in lake level and size during most recent decades led often to significant environmental impacts in the respective lake catchments including vegetation deterioration, soil erosion and badland formation, soil salinization or the formation of sinkholes.

Vogel and Motulsky's Human Genetics - Michael Speicher 2009-11-26

The fourth edition of this classical reference book can once again be relied upon to present a cohesive and up-to-date exposition of all aspects of human and medical genetics. Human genetics has become one of the main basic sciences in medicine, and molecular genetics is increasingly becoming a major part of this field. This new edition integrates a wealth of new information - mainly describing the influence of the "molecular revolution" - including the principles of epigenetic processes which together create the phenotype of a human being. Other revisions are an improved layout, sub-division into a larger number of chapters, as well as two-colour print throughout for ease of reference, and many of the figures are now in full colour. For graduates and those already working in medical genetics.

Plastics in the Aquatic Environment - Part I - Friederike Stock 2021-10-29

This book offers a comprehensive review of how plastic pollution is affecting fresh and marine waters, and what the current challenges in plastic waste assessment and management in the aquatic environment are. Plastic waste comprises particles with heterogeneous physicochemical properties such as large size-range, different shapes

and polymer types with various additives determining their environmental fate and risk. This complexity raises several open research questions which are explored in this book. Examples are the plastic uptake by aquatic organisms, degradation processes as well as sources and sinks in the environment. Readers will discover real case studies of plastic pollution detection and management in different parts of the world, including Asia, America and Europe, which provide an integrated overview of the global scope of this issue. This book and the companion volume *Plastics in the Aquatic Environment - Part II: Stakeholders' Role Against Pollution* are valuable resources to students, researchers, policymakers and environmental managers interested in plastic pollution and working towards its reduction.

Zielgenau bis ans Ende des Tunnels - Dietmar Placzek 2016-06-13

Damit der fertige Tunnel am Ende seine Funktion erfüllen kann, muss er exakt so liegen, wie er geplant wurde. Einfluss auf die Vortriebsgenauigkeit haben Trassen- und Gradientenplanung, Baugrund- und Grundwasserverhältnisse, das gewählte Vortriebsverfahren, Einwirkungen und Widerstände auf die Vortriebsmaschine sowie die begleitende Bauüberwachung und Kontrolle. Das Handbuch ist Grundlage für die Bauvorbereitung, die Vermessung und Bauüberwachung von Schildvortrieben und gilt gleichermaßen für Rohr- und Tübbingvortriebe, die mit gesteuerten Schildmaschinen

durchgeführt werden. Bauherren, Planer, Prüfer und Ausführenden werden dieses Handbuch als technischen Leitfaden für einen sicheren und zielgenauen Vortrieb nutzen. Das Buch ist darüber hinaus auch als Lehrbuch im Rahmen der Aus- und Weiterbildung geeignet.

Sustainable Development Through Engineering Innovations - Harvinder Singh 2021-03-01

This book comprises select peer-reviewed papers presented at the International Conference on Sustainable Development through Engineering Innovations (SDEI) 2020. It presents recent advances, new directions, and opportunities for sustainable and resilient approaches to design and protect the built-environment through engineering innovations & interventions. The topics covered are highly diverse and include all civil engineering and construction-related aspects such as construction and environmental Issues, durability and survivability under extreme conditions, design of new materials for sustainability, eco-efficient and ultra-high performance cementitious materials, embedded structural and foundation systems and environmental geomechanics. The book will be of potential interest to the researchers and students in the fields of civil engineering, architecture and sustainable development.

The Grenada Handbook, Directory and Almanac ... - 1899

Hollow Section Joints - Jaap Wardenier 1982