Architecture and Design: Breakthroughs in Research and Practice

Built Environment and Property Management

Residential Development

Estate Planning and Management

Case Study: The Evolution of Sustainable Real Estate

Green Building: A Journey to a Sustainable Future

Energy Efficiency

Waste Management

Sustainable Architecture and Design

Building Codes and Standards

International Perspectives

Case Study: The Sustainability journey of a Global Real Estate Giant

Risks

Handbook of Recycled Concrete and Demolition Waste

A Guide to Deconstruction

Military Construction, Veterans Affairs, and Related Agencies Appropriations for 2014

Materials

Appropriations For 2011, Part 6, 2010, 111-2 HearingsPermanent WTC PATH Terminal

Work and eBusiness in Architecture, Engineering and Construction

Sustainable School Constructions

Proceedings of the 1st National Conference of the School of Environmental Technology, Federal University of Technology, Minna

Life-Cycle Civil Engineering: Innovation, Theory and Practice

Portugal SB07 Sustainable Construction Materials

Designing and specifying, as well as commissioning, green building projects often-specified products and materials, as well as a sample spec

Goals and techniques for guiding healthier learning environments to help usher in a more promising future.

Presidio Trust Management Plan

This book reports research on policy and legal issues, anaerobic digestion of solid waste under processing aspects, industrial waste, application of GIS and LCA in waste management, and a couple of research papers relating to leachate and odour management.

Sustainability in the Hospitality Industry

Military Construction, Veterans Affairs, and Related Agencies Appropriations for 2013

The biannual ECPPM (European Conference on Product and Process Modelling) conference series has provided a unique platform for the presentation and discussion of the most recent advances with regard to the ICT (Information and Communication Technology) applications in the AEC/FM (Architecture, Engineering, Construction and Facilities Management) domains. ECPPM 2014, the 10th European Conference on Product and Process Modelling, was hosted by the Department of Building Physics and Building Ecology of the Vienna University of Technology, Austria (17-19 September 2014). This book entails a substantial number of high-quality contributions that cover a large spectrum of topics pertaining to ICT deployment instances in AEC/FM, including: BIM (Building Information Modelling) - ICT in Civil engineering & Infrastructure - Human requirements & factors - Computational decision support - Commissioning, monitoring & employing energy - Management - Ontology, data models, and IFC (Industry Foundation Class) - Energy modelling - Thermal performance simulation - Sustainable buildings - Micro-climatic modelling - Model calibration - Project & construction management – Data & information management

As such, eWork and eBusiness in Architecture, Engineering and Construction 2014 represents a rich and comprehensive resource for academics and professionals working in the interdisciplinary areas of information technology applications in architecture, engineering, and construction.

Military Construction, Veterans Affairs, and Related Agencies Appropriations for 2015

Sustainability in the Hospitality Industry, Third Edition, is the only book available to introduce students to economic, environmental and socially sustainable issues specifically facing the industry as well as exploring ideas, solutions and strategies of how to manage operations in a sustainable way.

Since the second edition of this book, there have been many important developments in this field and this latest edition has been updated in the following ways:

Updated content including sustainable food systems, hotel energy solutions, impacts of technology, water and food waste management, green hotel design, certification and labelling systems and the evolving nature of corporate social responsibility strategies.

New chapters exploring environmental accounting and the internalization of externalities as well as the management of accessibility in hospitality.

Updated and new international case studies with reflective questions throughout to explore key issues and show real-life operating examples of management to sustainability within the hospitality industry.

This accessible and comprehensive account of Sustainability in the Hospitality Industry is essential reading for all students and future managers in the hospitality industry.

Draft Environmental Impact Statement

Disposal of Badger Army Ammunition Plant, Wisconsin

Embedded Carbon in Buildings

This complete guide to the evaluation, selection, and use of sustainable materials in the landscape features strategies to minimize environmental and human health impacts of the material, and detailed strategies to minimize these impacts. Case studies share cost and performance information and lessons learned.

Contemporary Approaches in Urbanism and Heritage Studies

Military Construction, Veterans Affairs, and Related Agencies Appropriations for 2014

Dwell

Positive Development Adopted in the United States and a number of other countries, LEED certification is the recognized standard for measuring building sustainability. Achieving LEED points can reduce operating costs, increase property values, and enhance the overall experience.

Written in plain and easy to understand language, this "hands on" book is designed to assist readers with all aspects of LEED certification.

The handbook follows the rigorous third-party commissioning process, beginning with basic LEED concepts, and then carefully explains LEED energy certification. Written in plain and easy to understand language, this "hands on" book is designed to assist readers with all aspects of LEED certification.

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LEED Practices, Certification, and Accreditation Handbook This book gathers outstanding papers presented at the Conference on Automation Innovation in Construction (CIAIC-2019). In recent years, there have been significant transformations in the construction sector regarding production and the use of computers and automation to create smart and automatic construction environments. These transformations are taking place at the same time as increasing challenges are prevailing in the construction sector due to the changes in the building materials industry. The book presents numerous examples of smart construction technologies, discusses the applications of new construction materials and technologies, and includes studies on recent trends in automation as applied to the construction sector.

Green Building

Sustainability and Automation in Smart Constructions

Proceedings of the 1st National Conference of the School of Environmental Technology, Federal University of Technology, Minna At Dwel, we're staging a minor revolution. We think that putting a new house or apartment in an urban or suburban area, making it a home that is both energy-efficient and environmentally friendly, is the key to achieving this goal. We believe in the power of technology and innovation to transform our living spaces into green and sustainable environments. That's why our conference focuses on sustainability and automation in smart constructions. We invite you to join us and learn about the latest developments in this exciting field.

A ‘Triple Bottom Line’ Approach to Advanced Project Evaluation

Deconstruction and Materials Reuse

Building Vocabularies: Grade 5: Kit eBook Technological evolutions have changed the field of architecture exponentially, leading to more stable and energy-efficient building structures. Architects and engineers must be prepared to further enhance their knowledge in the field in order to effectively meet new and advancing standards. Architecture and Design: Because of these evolutions, architects and engineers are now expected to become more than just designers or engineers on a project. The need for a broader understanding of the building process is becoming more apparent, and today's architects and engineers must be prepared to adapt to these changes. The triple bottom line, which is a commonly accepted method of evaluating the environmental performance of a project, is being used more frequently in the construction industry today. This book will help you to understand how to apply this method to real-world scenarios.

Waste Reduction The construction industry is a vibrant and active industry. The building sector is responsible for creating, modifying, and improving the living environment of humanity. This volume presents solutions that facilitate and promote the adoption of policies, methods, and tools to accelerate the movement towards a globally sustainable built environment.

Jobs as Green Builders and Planners

Life-Cycle Civil Engineering: Innovation, Theory and Practice

Portugal SB07 Sustainable Construction, Materials and Practices


Permanent WTC PATH Terminal Since the German edition of this book, the topic of risk has experienced even greater attention, not only in the world of science but also in other fields, such as economics and politics. Therefore, many new publications have evolved. To keep with the aim of an encyclopedia for the topic of risk, this book has been completely reworked. Not only are many updated examples included in chapter “Risks and disasters” but also new chapters have been introduced, such as the chapter “Probability evaluation and risk.” The new chapter was developed since the risk is a much more difficult concept to grasp than a probability and has been the subject of a major policy maker’s report. Also, the concept of risk is not only relevant for the insurance industry, but also for the computer industry, and the book reflects the ongoing development in these areas. Therefore, especially in this chapter, the focus of the book has tumbled from a simple statistical problem or a probability model of measuring equipment to include much broader concepts. Here, not only aspects of system theory have to be considered, but also general philosophical questions start to infuse the considerations of the topic of risk. The main goal of this edition, however, is to develop a comprehensive overview of the topic of risk and to provide an introduction to the book.

eWork and eBusiness in Architecture, Engineering and Construction This book focuses on the utilisation of construction waste material as coarse aggregate in making concrete. It discusses in detail the behaviour of recycled aggregate under impact loading along with other structural applications, and explains the various quality-implementation techniques for recycled aggregate and recycled aggregate concrete (RAC). The first chapter describes the importance of recycling construction and demolition waste and the status quo of global recycling programs. This chapter addresses the current recycling rates and highlights the factors that affect recycling. The second chapter details the production methods and technologies for recycled aggregate concrete. It includes a discussion on the technical and economic aspects of recycled aggregate concrete, as well as the environmental benefits of using recycled aggregate. The third chapter focuses on the mechanical characteristics of recycled aggregate concrete. This book also explores long-term properties like shrinkage and creep, durability properties, and microstructural characterisation. It will serve as a valuable resource for researchers and professionals alike.

Sustainable School Architecture Built Environment and Property Management: A Focus on China and Hong Kong is a unique collection of previously published articles that identify themes that have established themselves as key trends in the field. These include the following: Public-private partnerships - China's property boom and the resulting increase in prices

Integrated Waste Management Advances in Construction and Demolition Waste Recycling: Management, Processing and Environmental Assessment is divided over three parts. Part One focuses on the management of construction and demolition waste, including estimation of quantities and the use of BIM and GIS tools. Part Two reviews the processing of recycled aggregates, along with the performance of concrete mixtures using different types of recycled aggregates. Part Three looks at the environmental assessment of non-hazardous waste and provides a standard reference for civil engineers, structural engineers, architects and academic researchers working in the field of construction and demolition waste. Summarizes key research in recent years on recycling and reusing concrete and demolition waste to reduce environmental impacts Considers techniques for managing construction and demolition waste, including waste management plans, ways of estimating levels of waste, and the types and optimal location of waste recycling plants. Reviews key steps in handling construction and demolition waste

Presidio Trust Implementation Plan, Presidio of San Francisco, San Francisco This book reports research on policy and legal issues, anaerobic digestion of solid waste under gravity, and the importance of recycling and reusing concrete and demolition waste to reduce environmental impacts. Considers techniques for managing construction and demolition waste, including waste management plans, ways of estimating levels of waste, and the types and optimal location of waste recycling plants. Reviews key steps in handling construction and demolition waste

Disposal of Badger Army Ammunition Plant The concept of ‘the triple bottom line’ has recently emerged to describe a new framework for development aimed at achieving economic and social balance while maintaining the long-term integrity of ecological systems. This requires measuring not only the economic viability of projects, but also their impact on the environment and the contribution they make to society. We live in a world where a large number of people are aware of the importance of our environment. The way in which this realisation came about has, in hindsight, not been as simple as could have been expected. Systematic evaluations of the economic viability of projects using discounting date back to the beginning of the last century and are something which has been regarded as very important, especially over the last few decades. However, an integrated approach, including environmental and social aspects, is much more recent, and even now, the methods and methodologies for such an approach are still being developed. This volume details the state of the art of the development towards the triple bottom line. It indicates where there is still debate about fundamental principles, where theory has been overlooked in the name of convenience, and where there are still many more recent, and even now, the methods and methodologies for such an approach are still being developed. This volume details the state of the art of the development towards the triple bottom line. It indicates where there is still debate about fundamental principles, where theory has been overlooked in the name of convenience, and where there are still many more recent, and even now, the methods and methodologies for such an approach are still being developed. This volume details the state of the art of the development towards the triple bottom line. It indicates where there is still debate about fundamental principles, where theory has been overlooked in the name of convenience, and where there are still many more recent, and even now, the methods and methodologies for such an approach are still being developed. This volume details the state of the art of the development towards the triple bottom line. It indicates where there is still debate about fundamental principles, where theory has been overlooked in the name of convenience, and where there are still
key steps in handling construction and demolition waste

A Guide to Deconstruction This book is an intellectual discourse and a concise compendium of current research in Architecture and Urbanism. Primarily, it is a book of readings of 24 chapters. The book brings together theories, manifestos and methodologies on contemporary architecture and urbanism to raise the understanding for the future of architecture and urban planning. Overall, the book aimed to establish a bridge between theory and practice in the built environment. Thus, it reports on the latest research findings and innovative approaches, methodologies for creating, assessing, and understanding of contemporary built environment.

Military Construction, Veterans Affairs, and Related Agencies Appropriations for 2009

Materials for Sustainable Sites Provides information on careers in building environmentally friendly structures, discussing employers, working conditions, workplaces, and training.

Integrated Waste Management Janis Birkeland presents the innovative new paradigm of 'Positive Development' in which the built environment provides greater life quality, health, amenity and safety for all without sacrificing resources or money. With a different form of design, development itself can become a 'sustainability solution'. A cornerstone of this new paradigm is the eco-retrofitting of the vast urban fabric we already inhabit. The author presents a revolutionary new tool called SmartMode to achieve this end. This book challenges everyone working in or studying the areas of sustainable development, planning, architecture or the built environment to rethink their current ideas and practices.

Systematic Approach of Characterisation and Behaviour of Recycled Aggregate Concrete This book provides a single-source reference for whole life embodied impacts of buildings. The comprehensive and persuasive text, written by over 50 invited experts from across the world, offers an indispensable resource both to newcomers and to established practitioners in the field. Ultimately it provides a persuasive argument as to why embodied impacts are an essential aspect of sustainable built environments. The book is divided into four sections: measurement, including a strong emphasis on uncertainty analysis, as well as offering practical case studies of individual buildings and a comparison of materials; management, focusing in particular on the perspective of designers and contractors; mitigation, which identifies some specific design strategies as well as challenges; and finally global approaches, six chapters which describe in authoritative detail the ways in which the different regions of the world are tackling the issue.

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