



Urban Environment and Spatial Science

NEW

Editors:

Mohd Akhter Ali, Kabir Mohan Sethy
Muzafar Wamo, M. Kamraju

Contents

1. Geospatial Technology and Applications in Urban and Regional Planning 2. An Overview of Urban Development 3. Urbanization-The Future of Cities: An unrealistic growth causing Societal Pandemic 4. Analysis of Urban Sprawl and Water Dynamics of Kalinganagar Industrial Region of Jajpur District of ODISHA 5. Spatiotemporal analysis of Dog Bites in Srinagar City 6. Geoinformatics Aided Urban Land Bank Identification and Mapping - A Case Study of Berhampur Municipal Corporation of Ganjam District, Odisha State, India 7. A Qualitative Study on Role of Satellite Cities in India 8. Coastal Cities and Erosion Issues: A Study Along - The Coast of Puri Town, Odisha, India Using Remote Sensing & Gis 9. Impact Assessment of Anthropogenic Stress on Green Spaces of Srinagar City, Jammu & Kashmir 10. Air and Noise Pollution Status 11. Climate Change and its Impact on Water- Comparative Study 12. Transformation of Transboundary River Padma (Ganges) 13. Developmental Planning for the Slums in Srinagar City 14. Informal Settlements and its Challenges in Kabul City-Afghanistan 15. Trace Metals in Fruits 16. Geopolitical Issues of Kabul River A Case Study of Af-Pak 17. Urban Expansion in the Northern Territories of Himalayan Region- India 18. A Study on Educational Status of Muslim Community in Telangana Region

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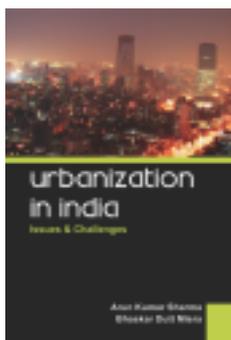
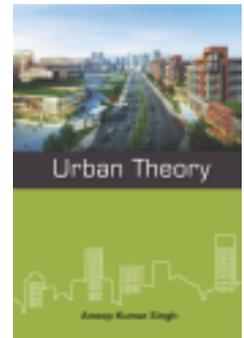
Urban Theory

Anoop Kumar Singh

Contents

1. Introduction to Urban Theory 2. Urban Theories Under Conditions of Modernity 3. Urban Political Economy 4. Intra-Urban Inequalities 5. Trends and Prospects 6. The Transformation of the Urban Community 7. The Form and Structure of the Future Urban Complex 8. The Urban Field 9. The Rising Demand for Urban Amenities 10. The Shape of the Future 11. The Metropolitan Area as a Racial Problem

9789386761378 • 296 (Hb) • 2018 • ₹ 1695.00



Urbanization in India Issues & Challenges

Arun Kumar Sharma
Bhaskar Dutt Misra

About the Book

This book is written from an interdisciplinary perspective combining material mainly from demography and sociology and reflects authors survey of literature from measurements and prediction to post-modern theory, along with planning issues in the country. Both the authors have studied the problem of population and urbanizations from diverse perspectives.

Contents

1. An Introduction to the Study of Urbanization with Special Reference to India 2. Conceptualizing Urbanization 3. Techniques and Models in Urban Research 4. World Urbanization 5. Urbanization in India 6. Migration and Urbanization 7. Report of the National Commission on Urbanization: Summary and an Appraisal 8. Major Schools of Theoretical Expositions 9. Emerging Issues in the Study of Urbanization

9789386761002 • 300 (Hb) • 2018 • ₹ 1995.00



Urbanisation

Sources, Stressors
and Responses
(Four Volume Set)

Editors
Shashi Kiran Nayak
Md. Jafar Imam

Contents

VOLUME 1 1. The Process of Urbanisation 2. Modern Urban Planning 3. Urban Planning in India 4. Planning of Urban Housing 5. Elements of Urban Structure 6. The Development of Urban Planning 7. Office Development 8. Design and Development: The Urban Design Decision-Making Process 9. Comprehensive Planning 10. Principles of Intelligent Urbanism 11. Sustainable Urbanism 12. Mixed-use Development 13. Industrial Deconcentration 14. Conservation Development VOLUME 2 15. Municipal Corporation 16. Urban Sociology 17. Modern Systems: Artistic Limitation of Modern City Planning 18. Generic Planning Process 19. Road Traffic Control 20. Traffic Counts and Traffic Surveys 21. Telecommuting and Transportation 22. Environmentally Sustainable Transport 23. Capacity Building, Research, Information and Communication 24. Challenges of Urbanisation and Environmental Degradation 25. Local Development Framework 26. Housing Arrangements in City 27. Housing for Economically Weaker Sections in Metro Cities 28. Cooperative Living Arrangements VOLUME 3 29. Housing Segregation 30. Real Estate Economics 31. Urbanisation — An Emerging Humanitarian Disaster 32. How the Social Pyramid Works 33. Planned Community 34. Civil Society 35. Population Size 36. Urban Relocation 37. Intellectual Paradigms and Criticism 38. Deurbanisation 39. Green Urbanism VOLUME 4 40. Pedestrian Environment Review System 41. Ecological Features, Rain Water Absorption and Pollutant Generation 42. Conservation Philosophy 43. Least-Cost Transportation Planning 44. Town and Country Planning in the United Kingdom 45. Ancient Urban Planning Principles 46. Landscape Design 47. Traffic and Transportation 48. Cities and the Environment 49. Climate Change and Urbanisation 50. Sustainable Urban Infrastructure 51. Urban Structure 52. Transportation Planning in Nations 53. Contributors to Urbanisation 54. Co-partnership Housing Movement

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Hindu-Buddhist Architecture in Southeast Asia

Birendra Kumar Singh

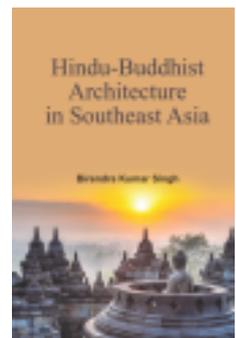
About the Book

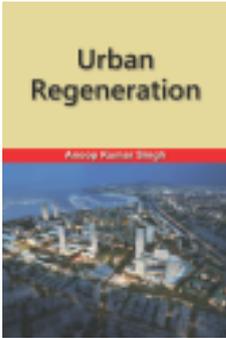
Buddhism and Hinduism spread together into southeast Asia, often to the same places at the same time. Both the solid stupa and the open temple can be found throughout the region. The most significant architectural feature of southeast Asia is the Buddhist stupa, known in India from the 1st century BC but no doubt dating from earlier. An architectural descendant of the burial mound, the stupa is a brick and plaster hemisphere with a pointed superstructure. Enshrining a relic of the Buddha, it serves as the sacred centre around which ritual occurs in an open-air setting. The famous temples of Angkor Wat and Pagan in Cambodia and Burma, dating from around the 12th century, are in the open Hindu style. The massively tall gilded stupa at the centre of the Shwe Dagon temple in Rangoon, is by contrast a solid structure in the original stupa tradition. Its interior chamber is designed only to house eight hairs of the Buddha.

Contents

1. Southeast Asia 2. Hinduism and Buddhism in Southeast Asia 3. Hinduism in Indonesia 4. Hindu Cosmology 5. Kingdom of South East Asia 6. Khmer Architecture 7. Candi of Indonesia 8. Pagan Kingdom 9. Balinese Temple 10. Hindu Temples in Central Java

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Urban Regeneration

Anoop Kumar Singh

About the Book

Every city has pockets of underused and underutilized land or distressed and decaying urban areas. These pockets of underused land weaken the city's image, livability, and productivity. They are usually the result of changes in the urban growth and productivity patterns. Urban regeneration is the attempt to reverse that decline by both improving the physical structure, and, more importantly and elusively, the economy of those areas. In all regeneration programmes, public money is used as an attempt to pump prime private investment into an area. To tackle the issues of decline and urban decay, these cities and others around the world have designed complex processes of urban regeneration. Rarely are urban regeneration projects implemented solely by the public sector. The need for massive financial resources is one factor. However, even if the government could provide the necessary resources for regenerating urban land, the buy in from the community and business sector is needed to ensure the sustainability of regeneration efforts. Consequently, participation of the private sector is a determining factor in success of regeneration of underutilized urban land. This book provides an in-depth analysis of the role of property investment and development in the urban regeneration process. It relates the physical, economic, financial and environmental aspects of urban change and development to the realities.

Contents

1. Introduction 2. The City and its Region 3. Regeneration Policy and Practice 4. Strategy And Partnership In Urban Regeneration 5. Funding Economic Regeneration 6. Physical and Environmental Aspects 7. Social and Community Issues 8. Employment and Skills 9. Monitoring and Evaluation 10. Organisation and Management 11. European Experiences 12. Current Challenges and Future Prospects.

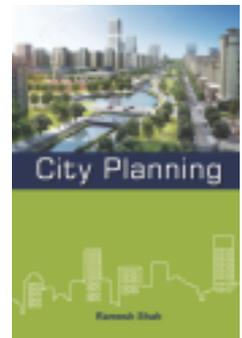
9789386806253 • 300 (Hb) • 2018 • ₹ 1695.00

City Planning

Ramesh Shah

About the Book

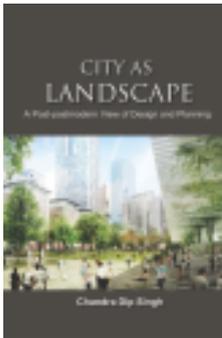
City planning, sometimes called "urban planning," focuses on the quality of life in cities, suburbs, towns and villages. Just like a doctor needs to know about the systems of the body in order to treat a patient, city planners need to know about the systems of the cities where they work. When planning a city, planners must consider many factors, including the economy, the environment, and cultural and transportation needs. City planners also must understand current uses of existing buildings, roads and facilities in their city, as well as how these uses may affect the city in the future. Anticipating future uses of space is critical. This includes thinking about problems that could arise and coming up with solutions to avoid them. The present book is an essential resource for students, city planners, and all who are concerned with the nature of contemporary urban development problems.



Contents

1. Cities in History 2. Urban Growth and Its Consequences 3. Beginnings of Comprehensive Planning 4. A Different Approach to City Planning 5. Typical Master Plans 6. City Building after 1000 A D 7. Renaissance Cities 8. Development of Regional Planning 9. Principal Phases of Town Planning 10. An Early Plan of Jerusalem 11. Plan of Sian Fu Capital of Shensi China 12. Olynthus in Macedonia and Environs 13. Plan of Pompeii Italy

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City as Landscape

A Post-postmodern View of Design and Planning

Chandra Dip Singh

About the Book

A landscape is part of the Earth's surface. It consists of a variety of geographical features that are characteristic of an area. Landscapes are divided into two main categories – natural and human. Natural landscapes (for example, mountains and deserts) are mainly unaffected by human activity and typical to particular areas of the world. Human landscapes (for example, cities and farms) have been created and modified by people. Human landscapes are sometimes also referred to as cultural landscapes. Unlike the types of naturally occurring landscapes described above, built landscapes are created by humans. Built landscapes provide evidence of human settlement and occupation of an environment. Features of built landscapes include elements of infrastructure such as buildings, roads, transport, energy, sewerage and telecommunication systems. The construction of built landscapes often results in the damage or destruction of natural landscapes but commonly incorporates some natural geographical features in its design, for example harbours and mountains. Cities need to accommodate more people without compromising the attractive qualities that make them desirable places to live. Twentieth century post-war cities were constructed from a functional perspective based on finding ways to enable more people to occupy less space. It soon became apparent that this approach had negative effects that led to a decrease in quality of life aligned with poverty, alienation, crime and social unrest, a decline in landscape / townscape quality and environmental degradation.

Contents

1. Introduction 2. Towards an Interpretive Frame 3. Theories 4. Planning 5. Urbanism 6. Landscape Design 7. Open Space Planning 8. Gardens 9. The Politics of Landscape Interpretation

9789386807199 • 300 (Hb) • 2019 • ₹ 1750.00

City Planning

For Civil Engineers, Environmental Engineers,
And Surveyors,

Kurt W. Bauer

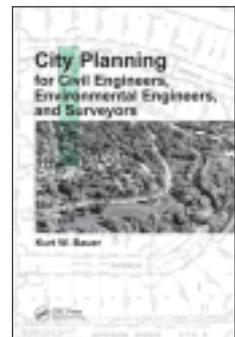
About the Book

While engineers and surveyors are not urban planners, they are often engaged in urban development. Therefore, a high degree of competence in civil engineering specialties such as surveying and mapping, highway and transportation engineering, water resources engineering, environmental engineering, and, particularly, municipal engineering requires an understanding of urban development problems and urban planning objectives, principles, and practices. With this in mind, *City Planning for Civil Engineers, Environmental Engineers, and Surveyors* focuses on areas of urban planning with which civil and environmental engineers and surveyors are most likely to come into contact or conflict, in which engineers and surveyors may be required to participate, and for which engineers may be required to provide necessary leadership. The text stresses basic concepts and principles of practice involved in urban planning as most widely practiced, particularly in small and medium-sized communities.

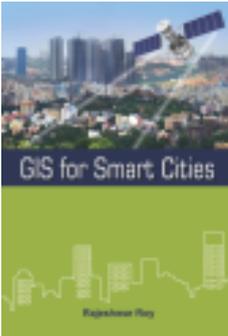
Contents

1 Introduction 2 Definition of Terminology 3 The Historic Context Of Urban Planning in the United States 4 Compilation of Essential Data: A Brief Overview 5 Map Requirements For City Planning 6 Population Data and Forecast 7 Economics Data and Forecasts 8 Land Use and Supporting Infrastructure Data 9 Natural Resource Base Inventories 10 Institutional Structure for City Planning and the Comprehensive Plan 11 Objectives, Principles, and Standards 12 Land Use Planning 13 Neighborhood Unit Concept 14 Principles of Good Land Subdivision Design 15 Street Patterns and Transportation Planning 16 Other Plan Elements 17 Plan Implementation – Land Subdivision Control 18 Plan Implementation - Zoning 19 The Official Map 20 Capital Improvement Programming

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**SPECIAL
INDIAN PRICE**



GIS for Smart Cities

Rajeshwar Roy

About the Book

Smart Cities are knowledge-based cities that have extra ordinary capabilities to be self-aware that functions 24×7 in real time to provide satisfactory way of life to its citizens. They are easy on public delivery of services and provide comfortable mobility to its citizens. Smart cities conserve energy, care for the environment and other natural resources and provide greener environment to its citizens along with vibrant urban economy for its citizens to emerge as an energetic, self-sustained communities. GIS plays an important role in transforming a city into a smart city. Our last two blogs Smart City and Data organization and Building Smarter Utilities using

GIS has clearly emphasized the importance of GIS in smart city infrastructure. Continuing this series based on smart city and GIS, this blog attempts to showcase some of the GIS tools that can make the dream of smart city come true. The book explains the adaptive urbanism for sea-level rise and environmentally sensitive land-use allocation for coastal smart cities. This book will be invaluable for those taking introductory or advanced classes on global cities, regional geography, and urban studies.

Contents

1. GIS for Smart Urbanisation 2. Satellite Images for Sustainable Urbanisation 3. Climate change sea-level assessment of Land and Land Use for Future Development 4. Environmentally Sensitive Land Use Allocation for Smart 5. Application of GIS in Categorizing and Managing Slum 6. Travel Management with Intraday Trip Generation Model 7. Exploiting Digital Information on the City to Estimate 8. Biourbanism as a New Framework for Smart Cities Studies 9. Smart Planning 10. From Managing Urban Freight to Smart City Logistics Networks 11. Simulation based Assessments of Smart Mobility Strategies 12. Reality Mining in Urban Spaces by Using Citizens as Living Sensors

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Landscape Architecture

Yajnanendra Pratap Singh

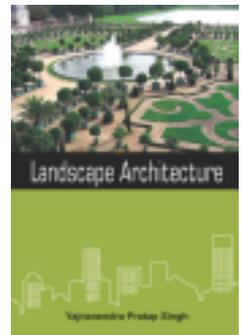
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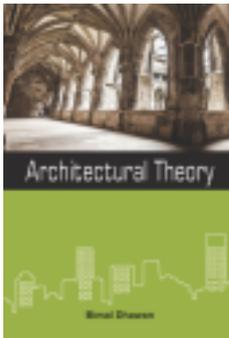
Landscape architecture is the design of outdoor areas, landmarks, and structures to achieve environmental, social-behavioural, or aesthetic outcomes. It involves the systematic investigation of existing social, ecological, and soil conditions and processes in the landscape, and the design of interventions that will produce the desired outcome. The scope of the profession includes landscape design; site planning; stormwater management; environmental restoration; parks and recreation planning; visual resource management; green infrastructure planning and provision; and private estate and residence landscape master planning and design; all at varying scales of design, planning and management. Landscape architects analyze, plan, design, manage, and nurture the built and natural environments. Landscape architects have a significant impact on communities and quality of life. They design parks, campuses, streetscapes, trails, plazas, and other projects that help define a community. The variety of the professional tasks that landscape architects collaborate on is very broad, but some examples of project types. It is an indispensable reference book for Landscape Architecture students, designers, architects, urban planners, and ordinary garden lovers.

Contents

1. Introduction 2. Before the Ancient World 3. The Nineteenth Century 4. Site and Context 5. Landscape Character 6. Site Planning and Development: The View of the Landscape 7. The Scope of Landscape Architecture 8. Modernism 9. Use and Beauty 10. An Environmental Discipline 11. The Place of Art 12. Landscape Planning

9789386761361 • 296 (Hb) • 2018 • ₹ 1695.00





Architectural Theory

Bimal Dhawan

About the Book

Architectural theory is the act of thinking, discussing, and writing about architecture. Architectural theory is taught in most architecture schools and is practiced by the world's leading architects. Some forms that architecture theory takes are the lecture or dialogue, the treatise or book, and the paper project or competition entry. Architectural theory is often didactic, and theorists tend to stay close to or work from within schools. It has existed in some form since antiquity, and as publishing became more common, architectural theory gained an increased richness. Books, magazines, and journals published an unprecedented number of works by architects and critics in the 20th century. As a result, styles and movements formed and dissolved much more quickly than the relatively enduring modes in earlier history. It is to be expected that the use of the internet will further the discourse on architecture in the 21st century. This handbook provides a lucid and comprehensive introduction to this challenging and shifting terrain and will be an essential resource for architects, students, teachers, historians, and theorists.

Contents

1. What is Architectural Theory 2. Vitruvius and Architectural Theory in Antiquity 3. The Vitruvian Tradition and Architectural Theory in the Middle Ages 4. Leone Battista Alberti 5. Vitruvian Tradition in the Renaissance 6. 16th Century Codification 7. Palladio and the North Italian Humanists 8. The Counter-Reformation, Baroque and Neo-Classicism 9. The Theory of Fortification 10. The Foundation of the French Academy of Architecture 11. Architectural Aesthetics 12. Concepts of Garden 13. Indian Architectural Theory and Practice

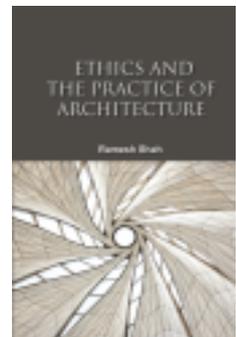
9789386761415 • 280 (Hb) • 2018 • ₹ 1695.00

Ethics and The Practice of Architecture

Ramesh Shah

About the Book

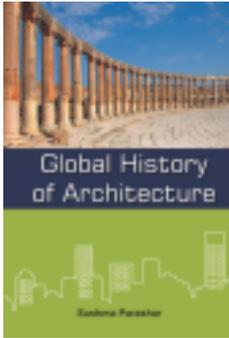
The types of architecture are established not by architects but by society, according to the needs of its different institutions. Society sets the goals and assigns to the architect the job of finding the means of achieving them. This section of the article is concerned with architectural typology, with the role of society in determining the kinds of architecture, and with planning—the role of the architect in adapting designs to particular uses and to the general physical needs of human beings. Architects and engineers provide a wide range of professional services associated with the building industry including planning, design, preparation of bidding documents, and assistance with the administration of contracts for construction. A conflict of interest (COI) is a situation in which a person or organization is involved in multiple interests, financial or otherwise, and serving one interest could involve working against another. Typically, this relates to situations in which the personal interest of an individual or organization might adversely affect a duty owed to make decisions for the benefit of a third party. This latest and comprehensive book features newly relevant interpretations adapted to the pervasive demands of globalization, sustainability, and developments in information technology.



Contents

1. Practice of Architecture 2. The challenges of engagement 3. Design Ethics and Group Myopia 4. Architecture ecology and Ethics 5. Architecture Service and Fee 6. Arcology 7. Design Integrity 8. Introduction to Choices 9. Adaptive Reuse Historic Preservation 10. Architecture and the Question of Technology

9789386807182 • 300 (Hb) • 2019 • ₹ 1750.00



Global History of Architecture

Sushma Parashar

About the Book

History of architecture is a vast subject, but is an indispensable and invaluable key to understand architecture. Architecture has always been very close to civilization's development. In fact, we can see architecture as a mirror, reflecting civilizations changes, advancements and hopes throughout history. The same applies to other forms of art and culture, but architecture, since it is not only a form of art but also catering to fundamental human needs, can sometimes be a deeper portrait of what happened in a certain place at a certain time. This book provides a comprehensive tour through the ages, spinning the globe to present the landmark architectural

movements that characterized each time period. The book provides a fresh survey of architectural history with a truly global perspective. The present reference guide will help both students and professionals in their study and work.

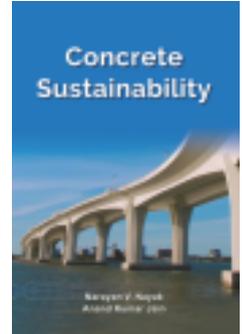
Contents

1. Introduction of Architecture 2. Ancient Roman Architecture 3. Medieval Architecture and Building 4. Renaissance Architecture: History, Characteristics, Designs 5. Modern Architecture: Characteristics and Style 6. Architecture of cathedrals and Great Churches 7. Ancient and Modern Architecture of China 8. Traditional Japanese Architecture 9. African Architecture: Evolution and Transformation 10. Art and Architecture in the Islamic Tradition 11. Masterpieces of Traditional Indian Architecture

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Concrete Sustainability

Narayan V. Nayak
Anand Kumar Jain



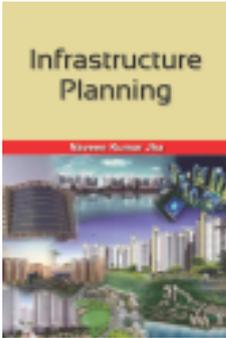
About the Book

Global environment is getting increasingly heated up by Green House Gases (GHG) mainly carbondioxide due to economic development and changing life styles. It is essential to control this pattern of climate change through sustainable development for the survival of future generations. Concrete is widely used material on earth only next to water and responsible for about 7% of global contribution of GHG. Authors in this book have highlighted various measures to reduce GHG emissions in production and use of concrete and to make it more durable, economical and sustainable. This is the 1st Indian book on Concrete Sustainability and written with a view of Indian conditions and construction practices. The book lucidly covers all phases in the life of concrete from Cradle to Grave. It is believed that the book will make positive contribution in addressing the burning issue of climate change and sustainability and will be well received by civil engineering professionals and academicians alike in India and abroad.

Contents

1. Climate Change – A Global Challenge Before Mankind 2. Use of Supplementary Cementing Materials for Concrete Sustainability 3. Effect of Water and Water Binder Ratio on Concrete Sustainability 4. Relationship between Concrete Sustainability and Curing 5. Chemical Admixtures and Sustainability of Concrete 6. Sustainability and Aggregates Derived from the Industrial and Construction Demolition Waste 7. Sustainability and Concrete Cover to Reinforcement 8. High Strength, High Performance Concrete and Sustainability 9. Temperature Control of Concrete at Early Ages for Sustainability 10. Repair and Maintenance of Concrete Structures and Sustainability 11. Performance Based Specification for Sustainable Concrete 12. Use of Life Cycle Cost Analysis for Enhancing Sustainability of Concrete Structures 13. Modern Trends in Achieving Sustainability in Cementitious Materials and Concrete 14. Miscellaneous Issues Relating to Sustainability of Concrete.

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Infrastructure Planning

Naveen Kumar Jha

About the Book

Infrastructure is the basic physical systems of a business or nation; transportation, communication, sewage, water and electric systems are all examples of infrastructure. These systems tend to be high-cost investments; however, they are vital to a country's economic development and prosperity. A well-planned system of infrastructure facilities is the primary prerequisite for development. On the international level, there is a pressing need for professionals capable of directing the conception, planning and construction of necessary infrastructure facilities for transport, water and waste management at the urban as well as the regional level of

integrating economic, social, ecological and management requirements. This comprehensive reference presents all the essential concepts and methodologies of infrastructure planning. For planners, developers, conservationists, and others interested in the creation and maintenance of open space lands and urban green infrastructure projects or promoting a healthy economy, this book offers a flexible approach to conceiving, refining, and implementing successful projects.

Contents

1. Introduction 2. The Major Infrastructure Systems 3. Green Infrastructure 4. The goals and Perspectives of Planning 5. Problem Diagnosis and Goal Articulation 6. Plan Testing, Forecasting and Design of Alternatives 7. Economic and Financial Evaluation 8. Environmental Evaluation and Implementation 9. Managing the Planning Process.

9789386806277 • 320 (Hb) • 2019 (R) • ₹ 1695.00

Built Environment and Site Planning

Ramesh Shah

About the Book

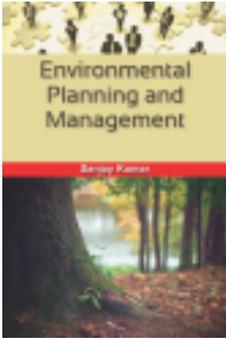
An environmental plan (or environmental management plan (EMP)) is an essential tool for setting and managing environmental objectives for a project. Generally an environmental plan will be part of an environmental management system (EMS) and will sit within a hierarchical suite of documents. An environmental risk assessment should be undertaken when developing the environmental plan. This will identify areas of environmental impact and potential risks. Management procedures can then be put in place to eliminate, minimise or mitigate those impacts and risks. Availability of transport, the selection of a greenfield or brownfield site, the local availability of resources and services, the local infrastructure and local ecology. Procurement route, travel plan, working methods, standards, ecology and landscape, energy use and energy source, flexibility and durability, waste management, water management, material selection and pollution. It is important that everyone involved in the project is aware of the environmental policy and environmental plan, and that they are bound by their requirements. Appointment documents should make clear the extent and standard of environmental performance and assessment that is required as well as requirements for monitoring and reporting. These requirements need to be cascaded down throughout the entire supply chain. The present book is the ideal guide for students taking courses in site analysis, site planning, and environmental design..

Contents

1. Introduction of Site 2. Planning and Zoning 3. Real Property Law 4. Engineering Feasibility 5. Environmental Regulations 6. Conceptual and Schematic Design 7. Development Patterns 8. Control, Boundary, and Topographical Surveys 9. Historic Assessment and Preservation 10. Street and Utility Design 11. Floodplain Studies 12. Grading and Earthwork 13. Water and Wastewater Treatment 14. Cost Estimating 15. Subdivision Process 16. Plan Submittals 17. Storm and Sewage water Management 18. Erosion and Sediment Control.

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Environmental Planning and Management

Sanjay Kumar

About the Book

The natural environment is connected to everything. From the air we breathe, to the water we drink, food we eat, and energy we consume. Given the importance of the environment on an individual level, it is easy to see that it also plays a large role in business and management. Planning is done in a variety of ways; however the foundation of it analyzes opportunities and risks that exist both internally and externally. Future consideration and forecasting can also be taken into consideration when developing a plan for moving forward with business ideas and activities.

Environmental planning is intentionally taking environmental information and using it to further develop a business plan or strategy. As climate change becomes more apparent on a physical level, clients and consumers are beginning to understand that this change not only has an impact on the earth and environment, but affects their daily lives as well. That being said, consumers and clients are looking for ways to live and work sustainably, rather than contribute more to environmental damage. This book introduces broad concepts of environmental planning and describes management approaches. The book shows an urgent need for improving environmental management..

Contents

1. Introduction to Environmental Planning and Management 2. Sustainable Manufacturing 3. Land Use Wildlife Habitats and Biodiversity 4. Environmental Planning 5. Life Cycle Assessment 6. Design for the Environment 7. Assessing Groundwater Resources 8. Environmental Risk Assessment and Management 9. Land Use Stream Flow and Runoff Pollution 10. Competing on Environmental Management.

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Environmental Impact Assessment

Md. Jafar Imam

About the Book

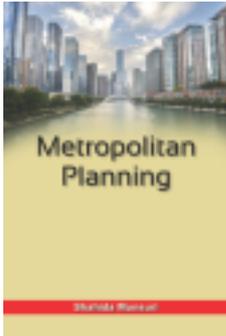
Environmental Impact Assessment (EIA) is a process of evaluating the likely environmental impacts of a proposed project or development, taking into account inter-related socio-economic, cultural and human-health impacts, both beneficial and adverse. Environmental assessments may be governed by rules of administrative procedure regarding public participation and documentation of decision making, and may be subject to judicial review. The purpose of the assessment is to ensure that decision makers consider the environmental impacts when deciding whether or not to proceed with a project. The International Association for Impact Assessment (IAIA) defines an environmental impact assessment as "the process of identifying, predicting, evaluating and mitigating the biophysical, social, and other relevant effects of development proposals prior to major decisions being taken and commitments made". EIAs are unique in that they do not require adherence to a predetermined environmental outcome, but rather they require decision makers to account for environmental values in their decisions and to justify those decisions in light of detailed environmental studies and public comments on the potential environmental impacts. This book deals with how environmental impact assessment should be carried out for specific environmental components such as air and water. The book provides an essential introduction to EIA for undergraduate and postgraduate students on planning courses, as well as those studying environmental management and policy, environmental sciences, geography and the built environment..

Contents

1. Introduction 2. The aims and context of environmental impact assessment 3. Methodology science and EIA 4. Geographical Information Systems GIS and EIA 5. Environmental management systems 6. Public involvement in EIA 7. Prediction and monitoring 8. Evaluation.

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Metropolitan Planning

Shahida Munsuri

About the Book

One concept which measures the world's largest cities is that of the metropolitan area, which is based on the concept of a labor market area and is typically defined as an employment core (an area with a high density of available jobs) and the surrounding areas that have strong commuting ties to the core. There has been no significant change in the basic concept of metropolitan areas since its adoption in 1950, although significant changes in geographic distributions have occurred since then, and more are expected.

Contents

1. Introduction 2. Population Changes 3. Social Structure and Living Conditions 4. Problems of Metropolitan Management 5. Planning and Management of Urban Infrastructure 6. Planning and Administrative Framework 7. The Economy of the Metropolitan Area 8. Metropolitan Institutional Framework and Financial System 9. Urban Construction And Management.

9789386806239 • 312 (Hb) • 2019 (R) • ₹ 1695.00

Urban Design and Planning

Sanjay Kumar

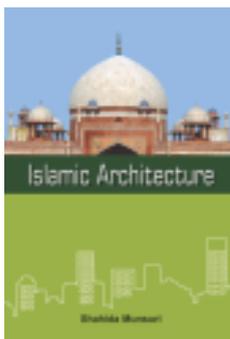
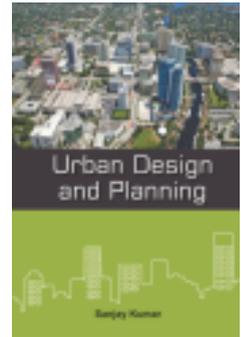
About the Book

Urban design involves the arrangement and design of buildings, public spaces, transport systems, services, and amenities. Urban design is the process of giving form, shape, and character to groups of buildings, to whole neighbourhoods, and the city. It is a framework that orders the elements into a network of streets, squares, and blocks.

Contents

1. Plans and Plan Making 2. Environmental Planning and Management 3. Structures 4. Places and Placemaking 5. Analysis Techniques 6. Implementation Techniques 7. Resources 8. Planning Resources 9. Land Use Evaluation 10. New Trends in Housing 11. Social Analysis Social Planning 12. Psychological Aspects In Urban Planning 13. Urban Planning in Arid Zones

9789386761385 • 532 (Hb) • 2019 • ₹ 1695.00



Islamic Architecture

Shahida Munsuri

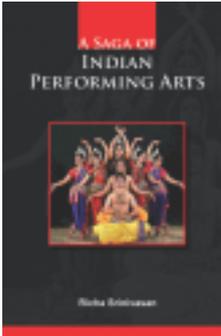
About the Book

Islamic architecture encompasses a wide range of both secular and religious styles from the foundation of Islam to the present day, influencing the design and construction of buildings and structures in Islamic culture and beyond. The principal Islamic architectural types are: the Mosque, the Tomb, the Palace, the Fort, the School, and urban buildings.

Contents

1. Introduction to Islamic Archaeology and Architecture 2. Islamic Architecture in India 3. Delhi Style of Indo-Islamic Architecture in India 4. Islamic Architecture during the Rule of Sher Shah Suri 5. Reign of Shah Jahan : The Golden Period 6. Architecture under the Nawab of Bengal 7. Islamic Architecture in South India 8. Islamic Heritage Buildings in Kashmir 9. The Great Islamic Masques and Arab Tradition

9789386761408 • 250 (Hb) • 2019 • ₹ 1695.00



A Saga of Indian Performing Arts

Richa Srinivasan

About the Book

Performing arts has a well-placed status in the culture and tradition of Indian society. India is a powerhouse of performing arts, a colorful and multi-hued ritual that showcases talent like nothing else. In ancient India, it was even venerated as a 'sacred' act. In this book, the author examines the vast Sanskrit textual corpus on dance, music, theatre in an attempt not only to reconstruct India's two-millenia long tradition, but also to dispel historical and aesthetic misconceptions about it. In this book all aspects are analysed in a systematic manner. The language of this book is easy to go through and comprehend. I hope it would be more fruitful for readers and provide them with authentic information, regarding the subject.

9788193356302 • 240 (Hb) • 2018 (R) • ₹ 880.00

Art & Society

Binoy Kumar

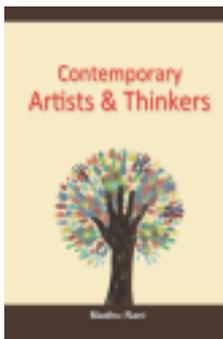
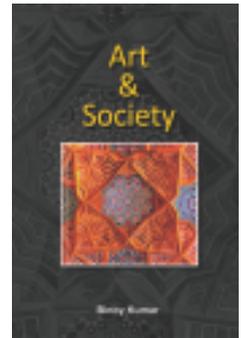
About the Book

The meaning of art is shaped by the intentions of the artist as well as the feelings and ideas it engenders in the viewer. The meaning of art is often culturally specific, shared among the members of a given society and dependent upon cultural context. Though the definition of what constitutes art is disputed and has changed over time, general descriptions mention an idea of imaginative or technical skill stemming from human agency and creation. The nature of art and related concepts, such as creativity and interpretation, are explored in a branch of philosophy known as aesthetics.

Contents

1. Introduction of Art 2. History of Art 3. Mathematics and Art 4. The Effect of Public Art 5. Art, Society and Self-consciousness 6. Art and Aesthetics 7. Surrealism 8. The Artist, Society and Social Responsibility 9. Gender, Art, and Society 10. Style, Artist, and Society

9789386806123 • 288 (Hb) • 2018 (R) • ₹ 1495.00



Contemporary Artists & Thinkers

Madhu Rani

About the Book

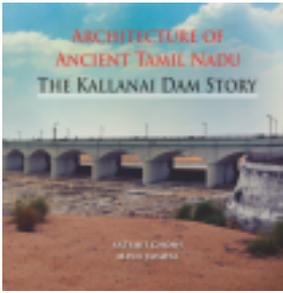
Contemporary art is the art of today, produced in the late 20th century or in the 21st century. Contemporary artists work in a globally influenced, culturally diverse, and technologically advancing world. Their art is a dynamic combination of materials, methods, concepts, and subjects that challenge traditional boundaries and defy easy definition. Diverse and eclectic, contemporary art as a whole is distinguished by the very lack of a uniform, organising principle, ideology, or "-ism". Contemporary art is part of a cultural dialogue that concerns larger contextual frameworks such as personal and cultural identity, family, community, and nationality. One of the difficulties many people have in approaching contemporary artwork is its diversity—diversity of

material, form, subject matter, and even time periods.

Contents

1. What is Contemporary Art? 2. Architecture-Sculpture 3. Minimalism 4. Anti-Art 5. Global Contemporary Artist 6. Indian Modern Artists

9789386806130 • 304 (Hb) • 2018 (R) • ₹ 1495.00



Architecture of Ancient Tamil Nadu The Kallanai Dam Story

Satyajit Ghosh
Manu Jaiswal

About the Book

The Grand Anaicut at Kallanai, true to its name, significantly recapitulates the magnificent history of the Chola Empire. The intricate system of water-ways amply portrays their mastery, articulating their sagacity as architects and builders par excellence. Although the structure fabric was simple, it has stood robustly on pervious soil for two millennia, often enduring the wrath and fury of

the Cauvery.

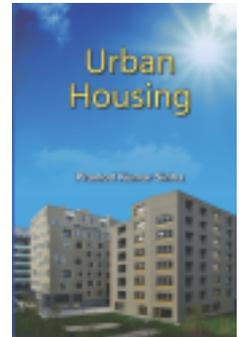
Contents

A Historical Prelude, Chola Art and Architecture, Kallanai the Grand Anaicut: A beacon of ancient structural engineering, Quatinah Barrage / Lake Homs Dam, Syria, Proserpina Dam, Spain, Cornalvo Dam, Spain, Kallanai Dam / Grand Anaicut, India, Sayamaike Dam, Japan, Tonnur Kere / Moti Talab Dam, India, Kebar Dam, Iran, Almansa Dam, Spain, The Kollidam (Coleroon) Side Water Regulators, 3D Model of The Cauvery regulators present Day Design, The Cauvery Regulators, Spillway Design and Dam Sectioning, The Vennar Regulators, 3D Model of The Vennar Regulators present Day Design, 3D Model of The Kollidam Side Water Regulators present Day Design, The Grand Anaicut Canal System, Structural Nuances and Modernisation, The Grand Anaicut Architectural Reconstruction, The Grand Anaicut Hydrological Model, Particle Study auvery Regulators, Particle Study ennar Regulators, Particle Study Original Dam Structure, 2D ANSYS k-epsilon Model Simulations, First Frequency Calculation, Natural Frequency of Original Dam Structure, Conclusion, References

9789385462665 • 112 (Hb) • 2017 • ₹ 2995.00

Urban Housing

Pramod Kumar Sinha



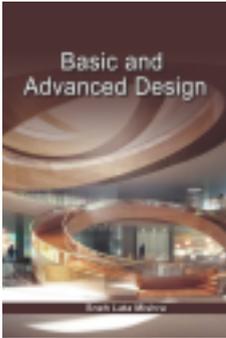
About the Book

Housing, or more generally living spaces, refers to the construction and assigned usage of houses or buildings collectively, for the purpose of sheltering people — the planning or provision delivered by an authority, with related meanings. The majority of the more than seven billion people on earth now live in cities (UN). There are more than 500 city regions of more than one million inhabitants in the world. Cities become megacities become megalopolitan city regions and even "galaxies" of more than 60 million inhabitants. Innovative urban housing solutions are constantly evolving with the highly competitive nature of the housing marketplace.

Contents

1. What is Urban Housing? 2. Issues in Urban Housing 3. Design of Urban Space 4. Regulation and Regulatory Frameworks 5. Construction: The Green Agenda 6. Urban Neighbourhood and Facilities 7. Terraces and Row Houses 8. Condensed Housing Development 9. Multi-stories Building 10. High-Density Housing: Concepts, Planning, Construction 11. Urban Development and Housing in India 12. Cities of Tomorrow

9789386806536 • 300 (Hb) • 2019 • ₹ 1600.00



Basic and Advanced Design

Sneha Lata Mishra

About the Book

Design can refer to such a plan or specification (e.g. a drawing or other document) or to the created object, etc., and features of it such as aesthetic, functional, economic or socio-political. The process of creating a design can be brief (a quick sketch) or lengthy and complicated, involving considerable research, negotiation, reflection, modelling, interactive adjustment and re-design. In some cases, the direct construction of an object without an explicit prior plan (such as in craftwork and some engineering, coding, and graphic design) is also considered to be a design activity.

Advance Design is a computer-aided engineering (CAE) software application developed by GRAITEC to structural analysis and design of reinforced concrete / steel / timber structures and automated creation of design reports. Advanced Design System (ADS) is an electronic design automation software system produced by Keysight EEs of EDA, a division of Keysight Technologies. It provides an integrated design environment to designers of RF electronic products such as mobile phones, pagers, wireless networks, satellite communications, radar systems, and high-speed data links. This comprehensive book provides the design engineer with concise information on the most important advanced methods that have emerged in recent years for the design of structures, products and components. The book will be useful for undergraduates students as well professionals in the field. .

Contents

Introduction, Early Beginnings, The Design Process, The design Project, Construction, Integrating Innovation in Architecture, Advanced Customization in Architectural Design and Construction, Design and Analysis of Tall and Complex Structures, Advanced Computer Architectures, Architecture, Implementation and Optimization, Advanced Design Examples of Seismic Retrofit of Structures, Advanced Analysis and Design of Steel Frames

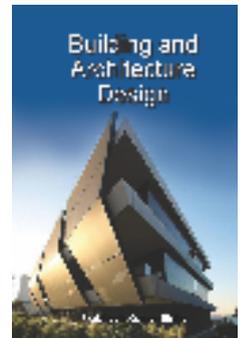
9789386777089 • 280 (Hb) • 2020 • ₹ 1600.00

Building and Architecture Design

Prabhash Kumar Sinha

About the Book

Building design refers to the broadly based architectural, engineering and technical applications to the design of buildings. Buildings also must be functional, safe, and economical and must suit the needs of the people who use them. Architects consider all these factors when they design buildings and other structures. ... Architects spend a great deal of time explaining their ideas to clients, construction contractors, and others. In many places, building codes and legislation of professions allow persons to design single family residential buildings and in some cases light commercial buildings without an architectural license. Today's design professionals are faced with challenges on all fronts. They need not only to keep in step with rapid technological changes and the current revolution in design and construction processes, but to lead the industry. This book is a guide to a sustainable design process that moves from theory, to site and energy use, to building systems, and finally to evaluation and case studies, so you can integrate design and technology for effective sustainable building. This book is written for college design courses and drafting classes.



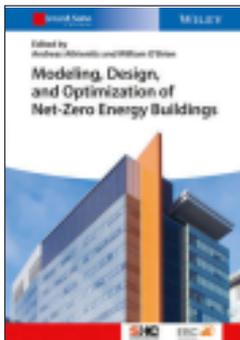
Contents

Residential Building Design and Construction, Tall Building Design: Steel, Concrete and Composite Systems, Building Design for High Latitudes, The Economics of Building, Design and Technology, Design, Engineering and Construction, Architecture Competition, Sustainable Architectural Design, Feng Shui for Architecture, Integrating Innovation in Architecture

9789386777072 • 300 (Hb) • 2020 • ₹ 1600.00

Modeling, Design and Optimization of Net Zero Energy Buildings

Andreas Athienitis
William O'Brien



About the Book

In this book, accomplished international experts present advanced modeling techniques as well as in-depth case studies meant to lead designers towards the optimal use of simulation tools for the design of net-zero energy buildings (Net ZEBs).

Contents

About the editors, List of contributors, Preface, Foreword, Acknowledgments, 1 Introduction 2 Modeling and design of Net ZEBs as integrated energy systems, 3 Comfort considerations in Net ZEBs: theory and design, 4 Net ZEB design processes and tools, 5 Building performance optimization of net zero-energy buildings, 6 Load matching, grid interaction, and advanced control, 7 Net ZEB case studies, 8 Conclusion, research needs, and future directions, Glossary, Index

9783433030837 • 396 (Hb) • 2015 • \$ 124.8

Concrete Portable Handbook

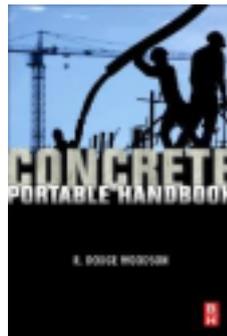
R. Dodge Woodson

SPECIAL INDIAN PRICE

Contents

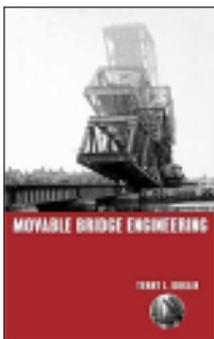
Introduction 1. Basic Information 2. Concrete Materials 3. Durability and Protection 4. Mixing and Placing Concrete 5. Concrete Formwork 6. Reinforcement 7. General Design Consideration 8. Requirements for Strength and Serviceability 9. Inspecting In-Place Concrete 10. Concrete Failure 11. Concrete Repair Preparation 12. Removal and Repair 13. Rehabilitation Work 14. Maintenance Matters 15. Specialized Repairs 16. Problem Solving 17. Code Requirements 18. How Much Do You Know? 19. Working with Code Requirements 20. Avoiding On-the-Job Injuries 21. Worksite Survival Appendices Glossary Index

9789382291329 • 480 (Hb) • 2013 • ₹ 2995.00



Movable Bridge Engineering

Terry L. Koglin



SPECIAL INDIAN PRICE

About the Book

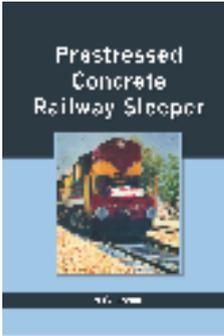
Movable Bridge Engineering is the most comprehensive reference on movable bridges published in the past sixty years. This new, highly visual resource addresses the engineering design and construction technology of new movable bridges, as well as the maintenance and rehabilitation of existing ones.

Movable Bridge Engineering is organized into six functional parts from an engineering perspective: • Selection • Design • Construction • Maintenance • Inspection • Evaluation of existing bridges

Contents

Preface. Acknowledgments. I. SELECTION. II. DESIGN. III. CONSTRUCTION. IV. MAINTENANCE. V. INSPECTION. VI. EVALUATION OF EXISTING BRIDGES.

9788126543830 • 704 (Hb) • 2014 • ₹ 4995.00



Prestressed Concrete Railway Sleeper

N.G. Joshi

About the Book

Prestressed Concrete Railway Sleeper is a relatively new product that has supplanted older materials as it perfectly maintains the gauge and allows higher speeds. Lately, the trend has been towards the manufacture of multiple sleepers simultaneously. This book is intended for young and practicing engineers. Some of the information provided in this book has been obtained during visits to prominent sleeper producing units in the world, and is primarily pertaining to basic principles involved in the design and production.

Contents

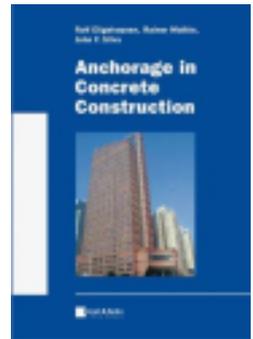
1. Introduction 2. Sleeper Production Systems 3. Requirements of Raw-Materials and Mix Design 4. Rail Fastening Systems 5. Normal Problems Faced in Production of PSC Sleeper & Their Probable Solutions 6. Quality Assurance and Testing 7. Installation and Maintenance of Precast Concrete Sleeper Track System 8. Design of PSC Sleepers 9. Indian Scenario 10. Performance of PSC Sleepers in Track 11. Future Sleeper Tracks 12. Non-Conventional Sleepers 13. Typical Standard Specifications for Pre-Tensioned Prestressed Concrete Sleepers for Broad Gauge and Meter Gauge 14. Appurtenances and other Important Information about Rails and Sleepers 15. Two Block Reinforced Concrete Sleeper.

9789385259852 • 196 (Hb) • 2016 • ₹ 995.00

Anchorage in Concrete Construction

Rolf Eligehausen
Rainer Mallee
John F. Silva

SPECIAL
INDIAN PRICE



Contents

1 Introduction 2 Fastening systems 3 Principles 4 Behaviour of headed studs, undercut anchors and metal expansion anchors in non-cracked and cracked concrete 5 Behaviour of cast-in anchor channels in non-cracked and cracked concrete 6 Behaviour of bonded anchors in non-cracked and cracked concrete 7 Behaviour of plastic anchors in non-cracked and cracked concrete 8 Behaviour of power actuated fasteners in non-cracked and cracked concrete 9 Behaviour of screw anchors in non-cracked and cracked concrete 10 Behaviour of anchors under seismic loading 11 Behaviour of anchors in fire 12 Corrosion of anchors 13 Influence of fastenings on the capacity of components in which they are installed 14 Design of fastenings, References, Subject Index

9788126546909 • 392 (Hb) • 2014 • ₹ 4,495.00



SPECIAL
INDIAN PRICE

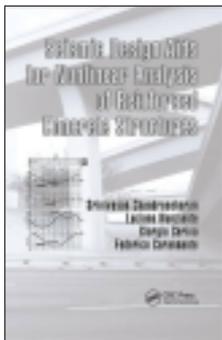
Composites for Construction

Lawrence C. Bank

Contents

Preface Chapter 1. Introduction. Chapter 2. Materials and Manufacturing. Chapter 3. Properties of FRP Composites . Chapter 4. Design Basis for FRP Reinforcements. Chapter 5. FRP Flexural Reinforcement. Chapter 6. FRP Shear Reinforcement . Chapter 7. FRP Reinforcement Detailing. Chapter 8. Design Basis for FRP Strengthening. Chapter 9. FRP Flexural Strengthening. Chapter 10. FRP Shear Strengthening. Chapter 11. FRP Confining. Chapter 12. Design Basis for FRP Profiles. Chapter 13. Pultruded Flexural Members. Chapter 14. Pultruded Axial Members. Chapter 15. Pultruded Connections. References Index

9788126548316 • 570 (Hb) • 2014 • ₹ 4995.00



Seismic Design Aids For Nonlinear Analysis of Reinforced Concrete Structures

SPECIAL INDIAN PRICE

Srinivasan Chandrasekaran, Luciano Nunziante
Giorgio Serino, Federico Carannante

Contents

Chapter 1: Axial Force–Bending Moment Yield Interaction Chapter 2: Moment-Curvature Relationship for RC Sections Chapter 3: Moment-Rotation Relationship for RC Beams Chapter 4: Bounds for Collapse Loads of Building Frames Subjected to Seismic Loads: A Comparison with Nonlinear Static Pushover Chapter 5: Flow Rule Verification for P-M Interaction Domains Chapter 6: Computer Coding for Collapse Multipliers

9781439809143 • 250 (Hb) • 2012 • ₹ 2995.00

Engineered Rock Structures in Mining and Civil Construction

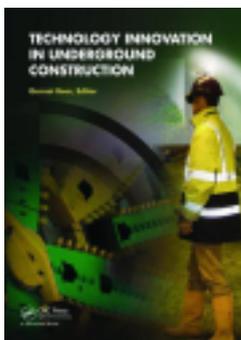
R.N. Singh, A.K. Ghose

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Contents

1. Rock Characterisation for Rock Mechanics Design 2. Uniaxial Testing of Rock in Compression 3. Tensile, Triaxial and Shear Strength of Rock 4. Time-dependent Behaviour of Rocks 5. Index Properties of Rocks 6. Large-scale in situ Testing of Rock Mass 7. Evaluation of Rock Mass Parameters by Borehole Testing 8. Measurement of Stress in Rock 9. Design of Structures in Rock 10. Stability of Underground Openings by Mathematical Modelling 11. Design and Stability of Pillars and Associated Structures 12. Design and Stability of Rib Pillars and Chain Pillars in Longwall Mining

9780415400138 • 532 (Hb) • 2015 • ₹ 5495.00



Technology Innovation in Underground Construction

SPECIAL INDIAN PRICE

Gernot Beer

Contents

Editorials Preface 1. Introduction 2. UCIS – Underground construction information system 3. Computer-support for the design of underground structures 4. A virtual reality visualisation system for underground construction 5. From laboratory, geological and TBM data to input parameters for simulation models 6. Process-oriented numerical simulation of mechanised tunnelling 7. Computer simulation of conventional construction 8. Optical fiber sensing cable for underground settlement monitoring during tunneling 9. Tunnel seismic exploration and its validation based on data from TBM control and observed geology

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