

Read PDF Design And Construction Of Urban Stormwater Management Systems Asce Manuals And Reports On Engineering Practice No 77 Asce Manual And Reports On Engineering Practice

Design And Construction Of Urban Stormwater Management Systems Asce Manuals And Reports On Engineering Practice No 77 Asce Manual And Reports On Engineering Practice

This book provides a review of environmental and energy research with respect to urban building projects. It describes how to overcome related challenges in environmental design of urban buildings. The book discusses the passive and active environmental systems within building concepts.

Urban redevelopment in American cities is neither easy nor quick. It takes a delicate alignment of goals, power, leadership and sustained advocacy on the part of many. Rebuilding the American City highlights 15 urban design and planning projects in the U.S. that have been catalysts for their downtowns—yet were implemented during the tumultuous start of the 21st century. The book presents five paradigms for redevelopment and a range of perspectives on the complexities, successes and challenges inherent to rebuilding American cities today. Rebuilding the American City is essential reading for practitioners and students in urban design, planning, and public policy looking for diverse models

Read PDF Design And Construction Of Urban Stormwater Management Systems Asce Manuals And Reports On Engineering Practice No 77 Asce Manual And Reports On Engineering Practice

of urban transformation to create resilient urban cores.

Based on Urban Design Associates' in-house training procedures, this unique handbook details the techniques and working methods of a major urban design and planning firm.

Prepared by the Task Committee of the Urban Water Resources Research Council of ASCE. Copublished by ASCE and the Water Environment Federation. Design and Construction of Urban Stormwater Management Systems presents a comprehensive examination of the issues involved in engineering urban stormwater systems. This Manual, which updates relevant portions of Design and Construction of Sanitary and Storm Sewers, MOP 37, reflects the many changes taking place in the field, such as the use of microcomputers and the need to control the quality of runoff as well as the quantity. Chapters are prepared by authors with experience and expertise in the particular subject area. The Manual aids the practicing engineer by presenting a brief summary of currently accepted procedures relating to the following areas: financial services; regulations; surveys and investigations; design concepts and master planning; hydrology and water quality; storm drainage hydraulics; and computer modeling. This volume brings together the best public space projects of recent years, realized by architectural and landscape design studios of international renown.

Read PDF Design And Construction Of Urban Stormwater Management Systems Asce Manuals And Reports On Engineering Practice No 77 Asce Manual And Reports On Engineering Practice

Each of the interventions is illustrated with full color photographs, diagrams, drawings and a descriptive text by the designers, giving the reader access to the full complexity of the design and construction details. The result of an exhaustive survey of the field, this book will prove invaluable to architects, landscape designers and students wanting to keep up with the latest innovations in urban space design.

During the 1960s, building sites in Paris became spaces that expressed preoccupations about urban transformation, labour immigration and national identity. As new buildings and infrastructure changed the city, building sites revealed the substandard living and working conditions of migrant construction workers in France. Moreover, construction was the touchstone in debates about the dangers of urban life, and triggered action in communities whose districts faced demolition. Paris Under Construction explores the social, political and cultural responses to construction work and urban transformation in the Paris metropolitan region during the 1960s. This examination of a decade of intensive building work considers the ways in which the experience of construction was mediated, produced and reproduced through a range of complex and sometimes contradictory representations. The building sites that produced the new Paris are no longer visible, and were perhaps never intended to be seen, yet different

Read PDF Design And Construction Of Urban Stormwater Management Systems Asce Manuals And Reports On Engineering Practice No 77 Asce Manual And Reports On Engineering Practice

groups closely observed and recorded construction, giving it meanings that went beyond specific building activities. The research draws extensively on French newspaper, television and radio archives, and delves into rarely examined trade union material. Paris Under Construction gives voice to the witnesses of—and participants in—urban transformation who are usually excluded from architectural and urban history.

Shaping our cities, streets and public spaces, urban design informs the places we live. It is a complex multi-disciplinary process, requiring the input of a wide variety of stakeholders and design and construction professionals. Each urban project invariably throws up a new set of problems and strategic decisions for the design team. This guide distils the essential information required for the expert direction of the day-to-day work of urban design, from strategic design to masterplanning through to character assessment and collaboration. Compact and accessible with over 250 hand-drawn figures and plans, it's the perfect everyday companion for junior practitioners and experienced heads alike across the built environment.

NACTO's Urban Bikeway Design Guide quickly emerged as the preeminent resource for designing safe, protected bikeways in cities across the United States. It has been completely re-designed with an even more accessible layout. The Guide offers updated

Read PDF Design And Construction Of Urban Stormwater Management Systems Asce Manuals And Reports On Engineering Practice No 77 Asce Manual And Reports On Engineering Practice

graphic profiles for all of its bicycle facilities, a subsection on bicycle boulevard planning and design, and a survey of materials used for green color in bikeways. The Guide continues to build upon the fast-changing state of the practice at the local level. It responds to and accelerates innovative street design and practice around the nation. What type of cities do we want our children to grow up in? Car-dominated, noisy, polluted and devoid of nature? Or walkable, welcoming, and green? As the climate crisis and urbanisation escalate, cities urgently need to become more inclusive and sustainable. This book reveals how seeing cities through the eyes of children strengthens the case for planning and transportation policies that work for people of all ages, and for the planet. It shows how urban designers and city planners can incorporate child friendly insights and ideas into their masterplans, public spaces and streetscapes. Healthier children mean happier families, stronger communities, greener neighbourhoods, and an economy focused on the long-term. Make cities better for everyone.

Following on from the author's previous book, *Construction Detailing for Landscape and Garden Design: Surfaces, Steps and Margins*, this book, *Construction Detailing for Landscape and Garden Design: Urban Water Features*, provides clear instruction for the construction of small to medium scale water features. With over 130 black and white CAD designs, Hensey provides guidance on a range of different water features such as drainage, water bowls and containers, walls and edges, structures and

Read PDF Design And Construction Of Urban Stormwater Management Systems Asce Manuals And Reports On Engineering Practice No 77 Asce Manual And Reports On Engineering Practice

crossings, and rills, channels and cascades. This book offers technical references and a general knowledge of the basic principles, materials and techniques needed when engineering with water. This practical guide would be beneficial for garden designers and landscape architects seeking accessible and relatable materials for designing water features.

By the end of the twenty-first century it is thought that three-quarters of the world's population will be urban; our future is in cities. Making these cities healthy, vibrant and sustainable is an exceptional challenge which this book addresses. It sets out some of the basic principles of the design of our future cities and, through a series of carefully-selected case studies from leading designers' experience, illustrates how these ideas can be put into practice. Building on the first edition's original format of design guidance and case studies, this new edition updates the ideas and techniques resulting from further research and practice by the contributors. This book emphasises the enormous progress made towards exciting new designs that integrate good design with resource efficiency.

This book focuses on how to maintain environmental sustainability as one of its main principles, and it addresses how smart cities serve to diminish wastes and maintain natural resources by having clean green energy that is operated by new smart technology designs. Living in a smart city is not something of the future anymore, it is here, and it is being implemented all over the world. A smart city uses different types of

Read PDF Design And Construction Of Urban Stormwater Management Systems Asce Manuals And Reports On Engineering Practice No 77 Asce Manual And Reports On Engineering Practice

electronic Internet of things (IoT) sensors to collect data and then use these data to manage assets and resources efficiently. The smart city concept integrates information and communication technology (ICT), and various physical devices connected to the IoT network to optimize the efficiency of city operations and services and achieve sustainable solutions to allow us to grow with proper management of our resources. Smart sustainable structures and infrastructures face the need of urban areas due to the growth of populations while in the same time save our environment. To achieve this, we need to revisit the conventional methods in design and construction and the conventional materials which are used now to optimize the design and provide smart solutions. In the past few years, the consumption of resources has been massive, and the waste produced from that consumption has been inconceivable. This is causing environmental degradation, which produces many environmental challenges, such as global climate change, excessive fossil fuel dependency and the growing demand for energy. As well as, discussing the challenges facing the civil engineering design and construction of smart cities components and presenting concepts and insight from experts and researchers from different civil engineering disciplines., this book explains how to construct buildings and special structures and how to manage and monitor energy.

Today the practice of urban design has forged a distinctive identity with applications at many different scales – ranging from the block or street scale to the scale of

Read PDF Design And Construction Of Urban Stormwater Management Systems Asce Manuals And Reports On Engineering Practice No 77 Asce Manual And Reports On Engineering Practice

metropolitan and regional landscapes. Urban design interfaces many aspects of contemporary public policy – multiculturalism, healthy cities, environmental justice, economic development, climate change, energy conservations, protection of natural environments, sustainable development, community liveability, and the like. The field now comprises a core body of knowledge that enfolds a rich history of ideas, paradigms, principles, tools, research and applications, enriched by electric influences from the humanities, and social and natural sciences. Companion to Urban Design includes more than fifty original contributions from internationally recognized authorities in the field. These contributions address the following questions: What are the important ideas that have shaped the field and the current practice of urban design? What are the major methods and processes that have influenced the practice of urban design at various scales? What are the current innovations relevant to the pedagogy of urban design? What are the lingering debates, conflicts and contradictions in the theory and practice of urban design? How could urban design respond to the contemporary challenges of climate change, sustainability, active living initiatives, globalization, and the like? What are the significant disciplinary influences on the theory, research and practice of urban design in recent times? There has never before been a more authoritative and comprehensive companion that includes core, foundational and pioneering ideas and concepts of urban design. This book serves as an invaluable guide for undergraduate and postgraduate students, future professionals, and

Read PDF Design And Construction Of Urban Stormwater Management Systems Asce Manuals And Reports On Engineering Practice No 77 Asce Manual And Reports On Engineering Practice

practitioners interested in architecture, landscape architecture, and urban planning, but also in urban studies, urban affairs, geography, and related fields.

The new student edition of the definitive reference on urban planning and design *Planning and Urban Design Standards, Student Edition* is the authoritative and reliable volume designed to teach students best practices and guidelines for urban planning and design. Edited from the main volume to meet the serious student's needs, this Student Edition is packed with more than 1,400 informative illustrations and includes the latest rules of thumb for designing and evaluating any land-use scheme--from street plantings to new subdivisions. Students find real help understanding all the practical information on the physical aspects of planning and urban design they are required to know, including:

- * Plans and plan making
- * Environmental planning and management
- * Building types
- * Transportation
- * Utilities
- * Parks and open space, farming, and forestry
- * Places and districts
- * Design considerations
- * Projections and demand analysis
- * Impact assessment
- * Mapping
- * Legal foundations
- * Growth management preservation, conservation, and reuse
- * Economic and real estate development

Planning and Urban Design Standards, Student Edition provides essential specification and detailing information for various types of plans, environmental factors and hazards, building types, transportation planning, and mapping and GIS. In addition, expert advice guides readers on practical and graphical skills, such as mapping, plan types, and transportation planning.

Read PDF Design And Construction Of Urban Stormwater Management Systems Asce Manuals And Reports On Engineering Practice No 77 Asce Manual And Reports On Engineering Practice

Design and Construction of Urban Stormwater Management Systems ASCE Publications

This book tackles the emerging smart urbanism to advance a new way of urban thinking and to explore a new design approach. It unravels several urban transformations in dualities: economic relationality and centrality, technological flattening and polarisation, and spatial division and fusion. These dualities are interdependent; concurrent, coexisting, and contradictory, they are jointly disrupting and reshaping many aspects of contemporary cities and spaces. The book draws on a suite of international studies, experiences, and observations, including case studies in Beijing, Singapore, and Boston, to reveal how these processes are impacting urban design, development, and policy approaches. The COVID-19 pandemic has accelerated many changes already in motion, and provides an extreme circumstance for reflecting on and imagining urban spaces. These analyses, thoughts, and visions inform an urban imaginary of smart design that incorporates change, flexibility, collaboration, and experimentation, which together forge a paradigm of urban thinking. This paradigm builds upon the modernist and postmodernist urban design traditions and extends them in new directions, responding to and anticipating a changing urban environment. The book proposes a smart design manifesto to stimulate thought, trigger debate, and, hopefully, influence a new generation of urban thinkers and smart designers. It will be of interest to scholars, students, and practitioners in the fields of

Read PDF Design And Construction Of Urban Stormwater Management Systems Asce Manuals And Reports On Engineering Practice No 77 Asce Manual And Reports On Engineering Practice

urban design, planning, architecture, urban development, and urban studies.

Over the past decades, geological survey organizations have digitized their data handling and holdings, unlocking vast amounts of data and information for computer processing. They have undertaken 3-D modeling alongside, and in some cases instead of, conventional geological mapping and begun delivering both data and interpretations to increasingly diverse stakeholder communities. Applied Multidimensional Geological Modeling provides a citable central source that documents the current capabilities and contributions of leading geological survey organization and other practitioners in industry and academia that are producing multidimensional geological models. This book focuses on applications related to human interactions with conditions in the shallow subsurface, within 100-200 m of the surface. The 26 chapters, developed by 100 contributors associated with 37 organizations, discuss topics relevant to any geologist, scientist, engineer, urban planner, or decision maker whose practice includes assessment or planning of underground space.

American cities are rediscovering the economic and social value of urban manufacturing. However, urban manufacturing is often invisible and poorly understood in terms of urban design, architecture, and policy. The Design of Urban Manufacturing brings a multidisciplinary approach to a new complex reality that urban manufacturing now sits squarely at the intersection of research, education, and neighborhood revitalization. Using cases studies from across North America and beyond, this book

Read PDF Design And Construction Of Urban Stormwater Management Systems Asce Manuals And Reports On Engineering Practice No 77 Asce Manual And Reports On Engineering Practice

presents innovative approaches not only to the design of districts and buildings, but to the design of policy as well: the special roles that governments, local development corporations, and not-for-profit organizations all have to play in supporting manufacturing. This book presents current models for working neighborhoods where factories enable fine-grained, mixed-use communities and face-to-face contact while creatively solving the very real problems of goods movement and functional buildings. Design guidelines and policy recommendations are calibrated to different types of production districts. The Design of Urban Manufacturing is the essential resource for policy makers, designers, and students in urban design, planning, and urban and economic development.

'Sustainable' urban planning, policy and design professes to solve sustainability problems, but often depletes and degrades ever more resources and ecosystems and concentrates wealth and concretize social disparities. Positive Development theory holds that development could create more net ecological and social gains than no construction at all. It explains how existing conceptual, physical and institutional structures are inherently biased against the preservation and expansion of social and natural life-support systems, and proposes explicit reforms to planning, design and decision making that would enable development to increase future options and social and natural life-support systems - in absolute terms. Net-Positive Design and Sustainable Urban Development is aimed at students, academics, professionals and

Read PDF Design And Construction Of Urban Stormwater Management Systems Asce Manuals And Reports On Engineering Practice No 77 Asce Manual And Reports On Engineering Practice

sustainability advocates who wonder why existing approaches have been ineffective. It explains how to reform the anti-ecological biases in our current frameworks of environmental governance, planning, decision making and design - and suggests how to make these changes. Cities can increase both the 'public estate' (reduce social stratification, inequity and other causes of conflict, increase environmental quality, wellbeing and access to basic needs, etc.); and the 'ecological base' (sequester more carbon and produce more energy than used during construction and operation, increase ecological space to support ecological carrying capacity, ecosystem functions and services, restore the bioregions and wilderness, etc.). No small task, this new book provides academic theory and professional tools for saving the planet, including a free computer app for net-positive design.

This book begins with an introduction describing current societal transformations that merit new urban designs, including depletion of non-renewable natural resources, elevated levels of greenhouse gas emissions, large numbers of aging "Baby Boomers," and climate change. Dr. Friedman then examines these challenges through ten topical chapters of interest to architects, civil and construction engineers, and urban planners. Each of these topics represents an aspect of urban design and describes an innovative solution and offers a detailed description of underlying principles. The text presents the state of the art and how it compares to a conventional design. In the second part of each chapter, several international projects are featured as case studies illustrating

Read PDF Design And Construction Of Urban Stormwater Management Systems Asce Manuals And Reports On Engineering Practice No 77 Asce Manual And Reports On Engineering Practice

design implementations. Considers concepts that minimize urban development's carbon footprint, such as district heating, passive solar gain, net-zero neighborhoods and shared transport; Emphasizes strategies for preserving a site's natural assets, including open green spaces, existing building stock, and edible landscapes; Examines contemporary urban design concepts and illustrates these with examples from around the world.

This clear and concise guide is the ideal introduction to contemporary housing design for students and professionals of architecture, urban design and planning. With the increasing commitment to sustainable design and with an ever-increasing demand for houses in urban areas, housing design has taken on a new and crucial role in urban planning. This guide introduces the reader to the key aspects of housing design, and outlines the discussion about form and planning of urban housing. Using chapter summaries and with many illustrations, it presents contemporary concerns such as energy efficient design and high density development in a clear and accessible way. It looks at practical design solutions to real urban problems and includes advice on reclamation and re-use of buildings. The guidance it presents is universally relevant. Part two of the book features current case studies that illustrate the best in high density, sustainable housing design providing the reader with design information, and design inspiration, for their own projects.

Suggests a new approach to urban design in which cities grow more organically, provides a set

Read PDF Design And Construction Of Urban Stormwater Management Systems Asce Manuals And Reports On Engineering Practice No 77 Asce Manual And Reports On Engineering Practice

of seven basic principles, and offers an experimental redesign of a section of San Francisco. The importance of an integrated approach in urban design is becoming increasingly apparent. This book explains how to overcome related challenges in environmental design of urban buildings and offers guidance on the use of new materials and techniques and the integration of new philosophies. Supported by the EC's SAVE 13 programme, Environmental Design of Urban Buildings includes contributions from experts at the National and Kapodistrian University of Athens, Greece, the Hellenic Open University, Greece, Cambridge Architectural Research, UK and REHVA/University of Ljubljana, Slovenia. A free CD-ROM containing multi-media software tools and climatic data accompanies the book.

CONTENT

- Environmental Urban Design
- * Architectural Design, Passive Environmental and Building Engineering Systems
- * Environmental Issues of Building Design
- * Sustainable Design, Construction and Operation
- * Intelligent Controls and Advanced Building Management Systems
- * Urban Building Climatology
- * Heat and Mass Transfer Phenomena in Urban Buildings
- * Applied Lighting Technologies for Urban Buildings
- * Case Studies
- * Guidelines to Integrate Energy Conservation
- * Indoor Air Quality
- * Applied Energy and Resources Management in the Urban Environment
- * Economic Methodologies
- * Integrated Building Design
- * Bibliography, Index

Published with SAVE

Although contemporary practice in urbanism has many sources of design guidelines, it lacks theory to provide a flexible approach to the complexities of most urban situations. The author provides that theoretical framework, looking beyond the style obsession of urban makeovers to the fundamental elements of city-making. The scope of this book takes in illuminating historical analysis and significant theoretical coherence, while recent case studies link the physical environment to the citizens within it, ultimately offering a new methodology for the analysis and

Read PDF Design And Construction Of Urban Stormwater Management Systems Asce Manuals And Reports On Engineering Practice No 77 Asce Manual And Reports On Engineering Practice

design of urban spaces which encourages a balance between diversity and community.

Beginning with a brief history of contemporary urban design, the book tracks urban design's roots in architecture and planning and identifies how and why it has emerged as a separate discipline. It then sets out the principles and key criteria that underpin urban design and explains how urban designers interpret policy, baseline data, and graphical analysis to present an understanding of place and space. The book concludes by highlighting a number of growing urban challenges facing cities today, discussing how urban design can play a leading role in tackling issues connected with climate change, globalisation, and technological advancements, and positively respond to the current and future needs of society.

You can use this book to design a house for yourself with your family; you can use it to work with your neighbors to improve your town and neighborhood; you can use it to design an office, or a workshop, or a public building. And you can use it to guide you in the actual process of construction. After a ten-year silence, Christopher Alexander and his colleagues at the Center for Environmental Structure are now publishing a major statement in the form of three books which will, in their words, "lay the basis for an entirely new approach to architecture, building and planning, which will we hope replace existing ideas and practices entirely." The three books are *The Timeless Way of Building*, *The Oregon Experiment*, and this book, *A Pattern Language*. At the core of these books is the idea that people should design for themselves their own houses, streets, and communities. This idea may be radical (it implies a radical transformation of the architectural profession) but it comes simply from the observation that most of the wonderful places of the world were not made by architects but by the people. At the core of the books, too, is the point that in designing their environments people always rely

Read PDF Design And Construction Of Urban Stormwater Management Systems Asce Manuals And Reports On Engineering Practice No 77 Asce Manual And Reports On Engineering Practice

on certain "languages," which, like the languages we speak, allow them to articulate and communicate an infinite variety of designs within a forma system which gives them coherence. This book provides a language of this kind. It will enable a person to make a design for almost any kind of building, or any part of the built environment. "Patterns," the units of this language, are answers to design problems (How high should a window sill be? How many stories should a building have? How much space in a neighborhood should be devoted to grass and trees?). More than 250 of the patterns in this pattern language are given: each consists of a problem statement, a discussion of the problem with an illustration, and a solution. As the authors say in their introduction, many of the patterns are archetypal, so deeply rooted in the nature of things that it seems likely that they will be a part of human nature, and human action, as much in five hundred years as they are today.

Whilst recognising that distinctly different traditions exist within the study and practice of urban design, this book advances an interdisciplinary and innovative approach, which is of direct importance to understanding the urban forms, conditions, practices and processes. It enthuses and inspires users who are grappling with urban design research problems, but who need inspiration to move from idea to methodological approach. Through the work of 32 urban researchers from the arts, sciences and social sciences, it demonstrates a wide range of problems and approaches and shows how the diverse range of complementary approaches can come together to provide a holistic understanding to the design of cities. While each of the contributors presents a particular approach to researching the field, sometimes focusing centrally on particular research methodologies, others cutting across methods, or focusing on theory, all include discussion of actual research projects to illustrate their application to 'real

Read PDF Design And Construction Of Urban Stormwater Management Systems Asce Manuals And Reports On Engineering Practice No 77 Asce Manual And Reports On Engineering Practice

world" problems. This book will be valuable to everyone from the informed undergraduate student about to embark on their first dissertation, to PhD students and seasoned researchers immersed in methodological and conceptual complexity and wishing to compare available and appropriate methodological paths.

A comprehensive overview of edible landscapes—complete with more than 300 full-color photos and illustrations *Designing Urban Agriculture* is about the intersection of ecology, design, and community. Showcasing projects and designers from around the world who are forging new paths to the sustainable city through urban agriculture landscapes, it creates a dialogue on the ways to invite food back into the city and pave a path to healthier communities and environments. This full-color guide begins with a foundation of ecological principles and the idea that the food shed is part of a city's urban systems network. It outlines a design process based on systems thinking and developed for a lifecycle or regenerative-based approach. It also presents strategies, tools, and guidelines that enable informed decisions on planning, designing, budgeting, constructing, maintaining, marketing, and increasing the sustainability of this re-invented cityscape. Case studies demonstrate the environmental, economic, and social value of these landscapes and reveal paths to a greener and healthier urban environment. This unique and indispensable guide: Details how to plan, design, fund, construct, and leverage the sustainability aspects of the edible landscape typology Covers over a dozen typologies including community gardens, urban farms, edible estates, green roofs and vertical walls, edible school yards, seed to table, food landscapes within parks, plazas, streetscapes and green infrastructure systems and more Explains how to design regenerative edible landscapes that benefit both community and ecology and explores the connections between food, policy,

Read PDF Design And Construction Of Urban Stormwater Management Systems Asce Manuals And Reports On Engineering Practice No 77 Asce Manual And Reports On Engineering Practice

and planning that promote viable food shedsystems for more resilient communities Examines the integration of management, maintenance, andoperations issues Reveals how to create a business model enterprise thataddresses a lifecycle approach

Good urban design offers strong competitive advantages and does not necessarily cost more to deliver. This ground-breaking report examines the way in which superior urban design adds value by increasing the economic viability of development and by delivering social and environmental benefits.

Open Design refers to a stakeholder-oriented approach in Architecture, Urban Planning, and Project Management, as developed by the Chair of Computer Aided Design and Planning of Delft University of Technology. This edition collects the following three volumes on Open Design: Open Design, a Collaborative Approach to Architecture, offers concepts and methods to combine technical and social optimisation into one integrated design process. Open Design and Construct Management, Managing Complex Construction Projects through Synthesis of Stakeholder Interests, offers a new approach to managing complexity by distinguishing best management practices for complex projects involving considerable uncertainty and risk and best practices for straightforward predictable projects. Open Design, Cases and Exercises, enables the reader to become familiar with the decision-oriented design tools of Open Design, and their

Read PDF Design And Construction Of Urban Stormwater Management Systems Asce Manuals And Reports On Engineering Practice No 77 Asce Manual And Reports On Engineering Practice application in practice.

Embracing a biological and evolutionary perspective to explain the human experience of place, *Urban Experience and Design* explores how cognitive science and biometric tools provide an evidence-based foundation for architecture and planning. Aiming to promote the creation of a healthier and happier public realm, this book describes how unconscious responses to stimuli, outside our conscious awareness, direct our experience of the built environment and govern human behavior in our surroundings. This collection contains 15 chapters, including contributions from researchers in the US, the UK, the Netherlands, France and Iran. Addressing topics such as the impact of eye-tracking analysis and seeing beauty and empathy within buildings, *Urban Experience and Design* encourages us to reframe our understanding of design, including the narrative of how modern architecture and planning came to be in the first place. This volume invites students, academics and scholars to see how cognitive science and biometric findings give us remarkable 21st-century metrics for evaluating and improving designs, even before they are built.

[Copyright: fcfba678d088175e6a92bfb724445f4b](https://www.ascelibrary.org/asce/doi/abs/10.1061/(ASCE)7700-1750)