

update of the text, with increased coverage of major topics including the Anthropocene; complexity; resilience; environmental ethics; governance; the IPCC's latest findings on climate change; Sustainable Development Goals; and new thinking on native species and novel ecosystems. Chapters include further reading and discussion questions. The book is supported by a companion website with links, detailed reading lists, glossary, and additional case studies, together with projects, research problems, and group activities, all of which focus on real-world problem solving of sustainability issues. The textbook is designed to be used by undergraduate college and university students in sustainability degree programs and other programs in which sustainability is taught.

"Written for teams of engineers, transportation planners, landscape architects, and urban planners, this book provides a broad overview of the growing approach towards complete and sustainable street design. Its contents present the background on modern street design and where it has failed, describe a series of street typologies, and demonstrate, through geographically diverse case studies, the applicable lessons learned from each. Featuring examples from over two dozen completed street design projects around the world, it provides practical guidance on the complete street approach to sustainable and community-minded street and road design"--

Industrial cultures have proved unable to confront the issues underlying the climate problem, such as overconsumption, overpopulation, inequity, and dysfunctional political systems. Political and social obstacles have prevented the adoption of improved technologies, and these would provide only a partial solution in any case. *Climate Change and Social Ecology* takes a new approach to the climate crisis, arguing that climate change is a challenge of rapid social evolution. In order to address this impending catastrophe and bring about more sustainable development, this book argues that we must focus on improving social ecologies—our values, mind-sets, and organizations. The text presents a compelling vision of how to help social ecologies evolve toward sustainability and explores the social transformations needed to deal with the climate crisis in the long term. It reviews the climate change strategies considered to date, presents a detailed vision of a future sustainable society, and analyzes how this vision might be realized through more conscious public nurturing of our social ecologies. This interdisciplinary volume provides a compelling rethink of the climate crisis. Authoritative and accessible, it will be of great interest to anyone concerned about climate change and sustainability challenges and is essential reading for students, professionals, and general readers alike.

This book uses international case studies to present insights on the policies, actors, and institutions that are critical to successful transit-oriented development (TOD). TOD has many potential benefits for cities and regions, and is considered a critical element in reshaping sprawling car-dependent urban regions into denser regions built around transit corridors. However, it is not a magic bullet solution for metropolitan transportation problems: challenges persist, such as displacement of local residents and regulatory barriers. How has TOD been successfully implemented? How can we integrate the positive aspects of TOD while minimizing its negative impacts? This book presents a study conducted at the University of Amsterdam, exploring 11 international case studies, including a meta-analysis, rough set analysis and policy transfer workshops. The authors discuss the findings and present solutions to persistent challenges to transit-oriented development. Additional literature on eTOD (equitable TOD) strategies, as a fundamental component of planning for regional transportation, shows that these approaches can result in more collaborative processes, community-led development that minimizes the negative impacts of transportation infrastructure. As our Dutch colleagues stated, TOD can be considered a policy concept that can be used as a story to unite people.

GIS Based Analysis and Design Guidelines for Walkable Neighborhoods Planning and Urban Design Standards John Wiley & Sons "This book is specifically written for architecture students about to begin their careers"--

Despite the findings on global climate change presented by the scientific community, there remains a significant gap between its recommendations and the actions of the public and policy makers. So far scientists and the media have failed to successfully communicate the urgency of the climate change situation in such a way that long-term, comprehensive, and legally binding policy commitments are being made on the national and international level. This book examines the way the public processes information, how they perceive threats and other perceptual factors that have a significant effect on how and to what degree climate change mitigation and adaptation strategies are supported. Understanding public risk perception plays a vital role in communicating the challenges of global climate change. Using a diverse range of international case studies, this book explores the nature of public perceptions of climate change and identifies the perception factors which have a significant impact on the public's willingness to support global climate change policies or commit to behavioral changes to reduce greenhouse gas emissions and improve urban resiliency. The comparative study of social and cultural factors, beliefs, attitudes and trust provides an international overview of best practices regarding the design, implementation and generation of public support for climate change policies at a global level. Offering valuable insight into climate change and risk communication, the book should be of interest to students and scholars of environment studies, politics, urban planning, and media and cultural studies.

"The best streets in the world's villages, towns, and cities—whether modest or grand—continually remind one that simplicity is part of the recipe for success in this art. The advice of Victor Dover and John Massengale, their historic examples and their own designs, reflect that simplicity." —From the Foreword by HRH The Prince of Wales "Street Design is a lucid, practical and altogether indispensable guide for envisioning and creating vibrant 21st century towns and cities. It should be required reading for every local political leader, planner, architect, real estate developer and engaged urban citizen in America." —Kurt Andersen, host of Studio 360 and author of *True Believers* "We are going to start walking around the places we live again, and as that occurs and becomes normal, we will rapidly redevelop a demand for higher quality in building at the human scale." —From the Afterword by James Howard Kunstler "Your charrette traveling library must include the important Street Design book by Victor Dover and John Massengale." —Bill Lennertz, Executive Director, National Charette Institute "What an amazing resource! For those who wish that my book, *Walkable City*, had pictures, this is the book for you. If either your work or your play includes the making of places, you will find Street Design to be an invaluable tool." —Jeff Speck, AICP, CNU-A, LEED-AP, Hon. ASLA Written by two accomplished architects and urban designers, this user-friendly street design manual shows both how to design new streets and enhance existing ones. It offers step-by-step instruction and shares examples of excellent streets, examining the elements that make them

successful as well as how they were designed and created. Topics also include strategies for shaping space in the public right-of-way through correct building height to street width ratios, terminated vistas, landscaping, and street geometry. This book is a valuable resource for urban designers, planners, architects, and engineers. With guest essays from: Kaid Benfield, David Brussat, Javier Cenicacelaya, Hank Dittmar, Andres Duany, Douglas Duany, Emily Glavey, Chip Kaufman, Ethan Kent, Marianne Khoury-Vogt, Léon Krier, Gianni Longo, Thomas Low, Laura Lyon, Chuck Marohn, Paul Murrain, John Norquist, Stefanos Polyzoides, Gabriele Tagliaventi and Erik Vogt.

The only book that shows how to transform existing suburbs to create environment- and people-friendly neighborhoods...

"The Transit Street Design Guide sets a new vision for how cities can harness the immense potential of transit to create active and efficient streets in neighborhoods and downtowns alike. Building on the Urban Street Design Guide and Urban Bikeway Design Guide, the Transit Street Design Guide details how reliable public transportation depends on a commitment to transit at every level of design. Developed through a new peer network of NACTO members and transit agency partners, the Guide provides street transportation departments, transit operating agencies, leaders, and practitioners with the tools to actively prioritize transit on the street."--Site Web de NACTO.

A complete guide to site grading for designers and other visual learners *Grading With Design in Mind: Landscape Site Grading Principles* is a comprehensive guide to grading, written specifically from the design perspective. Heavily illustrated and non-technical, this book meets the needs of designers and visual learners by presenting the principles and methods of site grading with less emphasis on engineering, and a strong focus on the effect on the overall aesthetic. Written by a professor in America's number-one ranked undergraduate landscape architecture program, the book guides readers step-by-step through the process of solving various grading problems in real-life scenarios. Landscape designers, landscape architects, and engineers need to have a deep understanding of site grading as the foundation of any project. Grading plans must not only solve practical requirements, but also create landforms that contribute to the aesthetic ambition of the overall site and architectural design concept. *Grading With Design in Mind* takes a highly visual approach to presenting modern grading techniques and considerations, providing designers the guidance they need to become competent in site grading while understanding the design implications of the subject. Features include: Numerous illustrations to support the text Step-by-step examples Professional grading plans Studying the professional grading plans helps readers better understand the real-world application of grading principles in different situations. Site grading is a complicated topic with plenty of on-site variables, but *Grading with Design in Mind* breaks it down into clear, concise instruction with value to both professionals and students in the field of landscape design.

The Influence of Le Corbusier On the emergence of the Aesthetic Values in the Modern Architecture of Cyprus, Farhan Abdullah Ali 1-12 <https://doi.org/10.25034/ijcua.2017.3651> The Presence of Modernist Architecture in Government educational Buildings at Lefko?a, Maryam Iranfar..... 22-32 <https://doi.org/10.25034/ijcua.2018.3653> Classical Chinese Gardens: Landscapes for Self-Cultivation, Donia Zhang33-44 <https://doi.org/10.25034/ijcua.2018.3654> Evaluating energy consumption in terms of climatic factors: A case study of Karakol residential apartments, Famagusta, North Cyprus, Rokhsaneh Rahbarianyazd, Layla Raswol45-54 <https://doi.org/10.25034/ijcua.2018.3658> Toward of windowscapes: Evaluation and suggestion for improvement of New Zealand Building Code, Leila Mirza, Hugh Byrd 55-65 <https://doi.org/10.25034/ijcua.2018.3656> Aesthetics of Space Organization: Lessons from Traditional European Cities, Hourakhsh Ahmad Nia; Yousif Hussien Suleiman..... 66-75 <https://doi.org/10.25034/ijcua.2018.3659> Urban Strategies and Economic Growth in Ondo State, Nigeria: A Case Study, Joseph Adeniran Adedeji, Olatunde Arayela.....76-83 <https://doi.org/10.25034/ijcua.2018.3662> A Lesson from Vernacular Architecture in Nigeri Lodson, John Emmanuel Ogbaba, Ugochukwu Kenechi Elinwa..... 84-95 <https://doi.org/10.25034/ijcua.2018.3664> Opportunities for Practicing Sustainable Building Construction in Kurdistan Region, Iraq, Lawand Wirya Shawkat, Salar Salah Muhy Al-Din, Duško Kuzovi?..... 96-101 <https://doi.org/10.25034/ijcua.2018.3665> The Pedestrianisation and Its Relation with Enhancing Walkability in Urban Spaces, Najmaldin Hussein.....102-112 ?<https://doi.org/10.25034/ijcua.2018.3666>

It is now widely recognized that individual-based motivational interventions alone are not sufficient to address the global pandemic of physical inactivity (lack of exercise and too much sitting time). There has been a growing interest in the effect the physically built environment can have on people's active behaviors. The fundamental assumption is that surrounding physical environments can support active behaviors among a large number of people with long-term effects. This topic has received much attention over the last decade, mainly in the three fields of urban design, public health, and transportation. This Special Issue aims to provide multidisciplinary and evidence-based state-of-the-art research on how the locations where people live impact their active behaviors and health outcomes.

The second edition of *The Urban Design Reader* draws together the very best of classic and contemporary writings to illuminate and expand the theory and practice of urban design. Nearly 50 generous selections include seminal contributions from Howard, Le Corbusier, Lynch, and Jacobs to more recent writings by Waldheim, Koolhaas, and Sorkin. Following the widespread success of the first edition of *The Urban Design Reader*, this updated edition continues to provide the most important historical material of the urban design field, but also introduces new topics and selections that address the myriad challenges facing designers today. The six part structure of the second edition guides the reader through the history, theory and practice of urban design. The reader is initially introduced to those classic writings that provide the historical precedents for city-making into the twentieth century. Part Two introduces the voices and ideas that were instrumental in establishing the foundations of the urban design field from the late 1950s up to the mid-1990s. These authors present a critical reading of the design professions and offer an alternative urban design agenda focused on vital and lively places. The authors in Part Three provide a range of urban design rationales and strategies for reinforcing local physical identity and the creation of memorable places. These selections are largely describing the outcomes of mid-century urban design and voicing concerns over the placeless quality of contemporary urbanism. The fourth part of the Reader explores key issues in urban design and development. Ideas about sprawl, density, community health, public space and everyday life are the primary focus here. Several new selections in this part of the book also highlight important international development trends in the Middle East and China. Part Five presents environmental challenges faced by the built environment professions today, including recent material on landscape urbanism, sustainability, and urban resiliency. The final part examines professional practice and current debates in the field: where urban designers work, what they do, their roles, their fields of

knowledge and their educational development. The section concludes with several position pieces and debates on the future of urban design practice. This book provides an essential resource for students and practitioners of urban design, drawing together important but widely dispersed writings. Part and section introductions are provided to assist readers in understanding the context of the material, summary messages, impacts of the writing, and how they fit into the larger picture of the urban design field. This report focuses on how sidewalks and trails can be made accessible and usable by the widest possible segment of the population. Sponsored by the Federal Highway Administration, a project to research existing conditions on sidewalks and trails for people with disabilities was designed in two parts. Part I, covers literature surveys, site surveys and interviews along with the history of accessibility legislation, travel characteristics of the disabled and engineering and construction design practices. Part II provides data on implementing the requirements of parts of two acts, Title II of the Americans with Disabilities Act of 1990 and section 504 of the Rehabilitation Act of 1973.

Since 1932, the ten editions of Architectural Graphic Standards have been referred to as the "architect's bible." From site excavation to structures to roofs, this book is the first place to look when an architect is confronted with a question about building design. With more than 8,000 architectural illustrations, including both reference drawings and constructible architectural details, this book provides an easily accessible graphic reference for highly visual professionals. To celebrate seventy-five years as the cornerstone of an industry, this commemorative Eleventh Edition is the most thorough and significant revision of Architectural Graphic Standards in a generation. Substantially revised to be even more relevant to today's design professionals, it features: An entirely new, innovative look and design created by Bruce Mau Design that includes a modern page layout, bold second color, and new typeface Better organized-- a completely new organization structure applies the UniFormat(r) classification system which organizes content by function rather than product or material Expanded and updated coverage of inclusive, universal, and accessible design strategies Environmentally-sensitive and sustainable design is presented and woven throughout including green materials, LEEDS standards, and recyclability A bold, contemporary new package--as impressive closed as it is open, the Eleventh Edition features a beveled metal plate set in a sleek, black cloth cover Ribbon Markers included as a convenient and helpful way to mark favorite and well used spots in the book All New material Thoroughly reviewed and edited by hundreds of building science experts and experienced architects, all new details and content including: new structural technologies, building systems, and materials emphasis on sustainable construction, green materials, LEED standards, and recyclability expanded and updated coverage on inclusive, universal, and accessible design strategies computing technologies including Building Information Modeling (BIM) and CAD/CAM new information on regional and international variations accessibility requirements keyed throughout the text new standards for conducting, disseminating, and applying architectural research New and improved details With some 8,500 architectural illustrations, including both reference drawings and constructible architectural details, Architectural Graphic Standards continues to be the industry's leading, easily accessible graphic reference for highly visual professionals. From the publishers of Architectural Graphic Standards, this book, created under the auspices of The American Planning Association, is the most comprehensive reference book on urban planning, design, and development available today. Contributions from more than two hundred renowned professionals provide rules of thumb and best practices for mitigating such environmental impacts as noise, traffic, aesthetics, preservation of green space and wildlife, water quality, and more. You get in-depth information on the tools and techniques used to achieve planning and design outcomes, including economic analysis, mapping, visualization, legal foundations, and real estate developments. Thousands of illustrations, examples of custom work by today's leading planners, and insider information make this work the new standard in the field. Order your copy today.

This book, based on extensive international collaborative research, highlights the state-of-the-art design of "smart living" for metropolises, megacities, and metacities, as well as at the community and neighbourhood level. Smart living is one of six main components of smart cities, the others being smart people, smart economy, smart environment, smart mobility and smart governance. Smart living in any smart city can only be designed and implemented with active roles for smart people and smart city government, and as a joint effort combining e-Democracy, e-Governance and ICT-IoT systems. In addition to using information and communication technologies, the Internet of Things, Internet of Governance (e-Governance) and Internet of People (e-Democracy), the design of smart living utilizes various domain-specific tools to achieve coordinated, effective and efficient management, development, and conservation, and to improve ecological, social, biophysical, psychological and economic well-being in an equitable manner without compromising the sustainability of development ecosystems and stakeholders. This book presents case studies covering more than 10 cities and centred on domain-specific smart living components. The book is issued in two volumes. and this volume focus on city studies.

At head of title: National Cooperative Highway Research Program.

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