

Design Guidelines For Public Transport Facilities Upspace

What is particular of Hong Kong architecture and why is this book written? High-rise buildings constructed next to each other are a common scene in Hong Kong. On the street level, buildings are uninterruptedly connected to the pedestrian pavement. Hence, there have been remarks that such have formed a concrete jungle. This is a result of limited space for the built environment to cater for millions of people to live. As one of the most densely populated modern cities in the world, the buildings in Hong Kong are controlled through legislation of buildings and land to allow reasonable living standards for habitants as well as a fair opportunity for private/commercial projects to develop relating to their context. This publication calls all urban stakeholders to invest in child-responsive urban planning, recognizing that cities are not only drivers of prosperity, but also of inequity. Through 10 Children's Rights and Urban Planning principles, the handbook presents concepts, evidence, tools and promising practices to create thriving and equitable cities where children live in healthy, safe, inclusive, green and prosperous communities. By focusing on children, it provides guidance on the central role that urban planning should play in achieving the Sustainable Development Goals, from a global perspective to a local context.

The Global Street Design Guide is a timely resource that sets a global baseline for designing streets and public spaces and redefines the role of streets in a rapidly urbanizing world. The guide will broaden how to measure the success of urban streets to include: access, safety, mobility for all users, environmental quality, economic benefit, public health, and overall quality of life. The first-ever worldwide standards for designing city streets and prioritizing safety, pedestrians, transit, and sustainable mobility are presented in the guide. Participating experts from global cities have helped to develop the principles that organize the guide. The Global Street Design Guide builds off the successful tools and tactics defined in NACTO's Urban Street Design Guide and Urban Bikeway Design Guide while addressing a variety of street typologies and design elements found in various contexts around the world.

Transportation Research in India

Transit Street Design Guide

Interpreting Sustainability in the Planning Process

Urban Street Design Guide

The Ruhr Agglomeration in International Perspective

Land and Limits

This is the only current and in print book covering the full field of transit systems and technology. Beginning with a history of transit and its role in urban development, the book proceeds to define relevant terms and concepts, and then present detailed coverage of all urban transit modes and the most efficient system designs for each. Including coverage of such integral subjects as travel time, vehicle propulsion, system integration, fully supported with equations and analytical methods, this book is the primary resource for students of transit as well as those professionals who design and operate these key pieces of urban infrastructure.

This guide brings the reader information on the latest in good practice regarding improving transport accessibility for all users.

The first edition of this seminal book was written at a time of rapidly growing interest in the potential for land use planning to deliver sustainable development, and explored the connections between the two and implications for public policy. In the decade since the book was first conceived, environmental imperatives have risen still further up the policial agenda and land use conflicts have intensified, lending even greater importance to the authors' research. In a rigorous discussion of concepts, policy instruments and contemporary planning dilemmas, the authors challenge prevailing assumptions about planning for sustainability. After charting the remarkable growth in expectations of planning, they show how attempts to interpret sustainability must lead to fundamental moral and political choices.

50 Years of Urban and Regional Policy

Fiscal Year ... Project Directory

Public Transport Interchange Design Guidelines 2013

Inclusive Design Guidelines for HCI

Improving Transport Accessibility for All Guide to Good Practice

Bicycling Infrastructure Design for Indian Cities and Emerging Economies

The elderly population is growing and disabilities tend to increase with age. Professionals in the fields of human-computer interaction (HCI) are becoming increasingly aware of the needs of the elderly and people with disabilities. They also need to ensure that systems are designed for all, with specific consideration of these groups, not only computing systems but also other assistive and adaptive technologies such as information services and the use of smart cards, assistive robotics, systems for travellers, and home and environmental control systems. This book will help designers world-wide find relevant guidelines for the design of human-computer interaction and ensure that systems are designed for all, with specific

consideration of people who are elderly and people with disabilities. Including reports from the International Federation of Information Processing's Working Group on Human-Computer Interaction (HCI) and Disability. The book will be the first compendium of guidelines.

"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.

The NACTO Urban Street Design Guide shows how streets of every size can be reimagined and reoriented to prioritize safe driving and transit, biking, walking, and public activity. Unlike older, more conservative engineering manuals, this design guide emphasizes the core principle that urban streets are public places and have a larger role to play in communities than solely being conduits for traffic. The well-illustrated guide offers blueprints of street design from multiple perspectives, from the bird's eye view to granular details. Case studies from around the country clearly show how to implement best practices, as well as provide guidance for customizing design applications to a city's unique needs. Urban Street Design Guide outlines five goals and tenets of world-class street design: • Streets are public spaces. Streets play a much larger role in the public life of cities and communities than just thoroughfares for traffic. • Great streets are great for business. Well-designed streets generate higher revenues for businesses and higher values for homeowners. • Design for safety. Traffic engineers can and should design streets where people walking, parking, shopping, bicycling, working, and driving can cross paths safely. • Streets can be changed. Transportation engineers can work flexibly within the building envelope of a street. Many city streets were created in a different era and need to be reconfigured to meet new needs. • Act now! Implement projects quickly using temporary materials to help inform public decision making. Elaborating on these fundamental principles, the guide offers substantive direction for cities seeking to improve street design to create more inclusive, multi-modal urban environments. It is an exceptional resource for redesigning streets to serve the needs of 21st century cities, whose residents and visitors demand a variety of transportation options, safer streets, and vibrant community life.

Polycentric City Regions in Transformation

Second International Conference, MobiTAS 2020, Held as Part of the 22nd HCI International Conference, HCII 2020, Copenhagen, Denmark, July 19–24, 2020, Proceedings, Part II

Guidelines for Enhancing Suburban Mobility Using Public Transportation

Urban Mass Transportation Abstracts

British Planning

A Developmental Approach to Urban Transport Planning

This book features a multidisciplinary focus on walking as a mode in the context of transportation, urban planning and health. Breaking down the silos, this book presents a multidisciplinary focus bringing together research from transport, public health and planning to show linkages and the variation in experience around the world.

The Routledge Handbook of Public Transport is a reference work of chapters providing in-depth examination of the current issues and future developments facing public transport. Chapters in this book are dedicated to specific key topics, identifying the challenges therein and pointing to emerging areas of research and concern. The content is written by an international group of expert contributors and is enhanced through contributions from practitioners to deliver a broader perspective. The Handbook deals with public transport policy context, modal settings, public transport environment, public transport delivery issues, smart card data for planning and the future of public transport. This comprehensive reference work will be a vital source for academics, researchers and transport practitioners in public transport management, transport policy and transport planning.

This co-edited book focuses on the state-of-the-art research in transportation in India. Exploring the need for a sustainable transport paradigm in India, this timely book offers solution concepts for mobility and infrastructure challenges faced by local, state, and national transport authorities. The contents provide a holistic understanding of the paradigm, considering several case-studies and study findings from the leading transportation researchers in India. At the same time, it also addresses the pressing transportation related challenges such as road user safety, traffic operation efficiency, economic and social development, non-motorized transport planning, environmental impact mitigation, energy consumption reduction, land-use, equity, freight transport planning, multimodal coordination, access for the diverse range of travellers' needs, sustainable pavement construction, and emerging vehicle technologies. The existing practices and policies in all the sectors and levels of transport are highlighted in this book with an emphasis on a broader vision for achieving sustainable and inclusive development. The information and data-driven inferences compiled in the book will be useful for practitioners, policymakers, educators, researchers, students, and individual learners.

The Dimensions of Urban Design

An Indonesian Illustration

Urban Transportation Abstracts

Technical Assistance and Safety Programs

Global Street Design Guide

Transportation for Livable Cities

Brings together Britain's leading analysts of planning to present a review and analysis of planning and policy. Covers major issues in contemporary planning, reviews the history of post-war planning, and considers the future for planning, covering both policy and its impact on practice. Includes case material and bandw photos and plans of houses and buildings. Cullingworth is a professor of urban affairs at the University of Delaware and an associate of the Department of Land Economy at the University of Cambridge. Annotation copyrighted by Book News, Inc., Portland, OR

This document aims to provide guidance on the delivery of interchange facilities that will enable customers to move easily between services. Well-designed interchanges will be key assets in the delivery of the Auckland Regional Public Transport Plan (RPTP).

This book is a study of design initiatives and policies in five US West Coast cities -- Seattle (including Bellevue), Portland, San Francisco, Irvine and San Diego--all of which have had particularly interesting urban design experience of relevance to practice in Britain and other countries. Although these cities are not a representative sample of all American design practice, they provide a rich vein of ideas about recent policy development and current initiatives which will stimulate thought about the formulation of effective design controls. The presentation of substantial extracts from key documents that underpin design controls in the five cities will be of interest, inspiration and practical use to academics and practitioners who want to know more about American practice and who want to contribute to improvements in the standards and quality of urban design policies and design control. The opening chapter provides a national context and a comparative framework for the study, with a focus on international perspectives, American planning systems and the development of criteria for comparison and evaluation. The five subsequent chapters take each city in turn, briefly reviewing the salient characteristics of each one before presenting an account of how planning and design policy have evolved in the last twenty-five years; key features of the contemporary systems of design control are highlighted and a summary evaluation is made. The focus in the case studies is on how policy and guidance have been formulated, structured and presented in the various documents that make up the policy framework, how the process of control operates, and how both respond to the criticisms commonly made of design and control. This final chapter draws general conclusions about the experience of the studied cities of wider relevance to American design review practice, but which are of interest to those engaged in design review and policy formulation everywhere.

Public Transit Planning and Operation

Handbook on Building Control in Hong Kong

Urban Bikeway Design Guide, Second Edition

Urban Transit Systems and Technology

Connecting Sustainable Transport with Health

Innovation in Public Transportation

Worldwide, cities and regions are affected by structural change and face comprehensive transformation processes, many of which are yet to reveal themselves. In this context, polycentric models for development have been internationally voiced. *Polycentric City Regions in Transformation: The Ruhr Agglomeration in International Perspective* discusses such models in a comparative manner and, in particular, focuses on the dynamics that shape and challenge cities and regions nowadays. The book compiles contributions from Germany, China, Canada, Portugal, Colombia, USA, Scotland, among others, which were presented in an international conference held at Essen Zollverein in June 2015.

This two-volume set LNCS 12212 and 12213 constitutes the refereed proceedings of the Second International Conference on HCI in Mobility, Transport, and Automotive Systems, MobiTAS 2020, held as part of the 22nd International Conference on Human-Computer Interaction, HCII 2020, in Copenhagen, Denmark, in July, 2020.* A total of 1439 full papers and 238 posters have been carefully reviewed and accepted for publication in HCII 2020. The papers cover the entire field of human-computer interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas. MobiTAS 2020 includes a total of 59 papers and they are organized in the following topical sections: Part I, Automated Driving and In-Vehicle Experience Design: UX topics in automated driving, and designing in-vehicle experiences. Part II, Driving Behavior, Urban and Smart Mobility: studies on driving behavior, and urban and smart mobility. *The conference was held virtually due to the COVID-19 pandemic.

The twenty-first century finds civilization heavily based in cities that have grown into large metropolitan areas. Many of these focal points of human activity face problems of economic inefficiency, environmental deterioration, and an unsatisfactory quality of life—problems that go far in determining whether a city is "livable." A large share of these problems stems from the inefficiencies and other impacts of urban transportation systems. The era of projects aimed at maximizing vehicular travel is being replaced by the broader goal of achieving livable cities: economically efficient, socially sound, and environmentally friendly. This book explores the complex relationship between transportation and the character of cities and metropolitan regions. Vukan Vuchic applies his experience in urban transportation systems and policies to present a systematic review of transportation modes and their characteristics. *Transportation for Livable Cities* dispels the myths and emotional advocacies for or against freeways, rail transit, bicycles, and other modes of transportation. The author discusses the consequences of excessive automobile dependence and shows that the most livable cities worldwide have intermodal systems that balance highway and public transit modes while providing for pedestrians, bicyclists, and paratransit. Vuchic defines the policies necessary for achieving livable cities: the effective implementation of integrated intermodal transportation systems.

Designing Sidewalks and Trails for Access: Review of existing guidelines and practices

Public Places, Urban Spaces

Public Transport Planning and Operations

Design Guidelines in American Cities

A Review of Design Policies and Guidance in Five West Coast Cities

Technical Report

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 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.

This book (in three volumes) comprises the proceedings of the Fifth Conference of Transportation Research Group of India (CTRG2019) focusing on emerging opportunities and challenges

in the field of transportation of people and freight. The contents of the volume include characterization of conventional and innovative pavement materials, operational effects of road geometry, user impact of multimodal transport projects, spatial analysis of travel patterns, socio-economic impacts of transport projects, analysis of transportation policy and planning for safety and security, technology enabled models of mobility services, etc. This book will be beneficial to researchers, educators, practitioners and policy makers alike.

Urban populations are projected to increase from 54% to 66% of the global population by 2050, with close to 90% of the increase concentrated in Asia and Africa. Cities and towns---a growing source of greenhouse gas emissions---will need to address challenges posed by climate change. A nature-based approach in identifying climate change vulnerabilities and developing relevant adaptation options was conducted in three towns of the Greater Mekong Subregion. Working with local governments, nongovernment organizations, women's groups, and professional associations, town-wide adaptation measures were defined by overlaying climate change projections on town plans and zoning schemes for strategic infrastructure. This publication captures valuable experience and lessons from the project.

Experiences and Prospects

Social Science and Policy

22nd HCI International Conference, HCII 2020, Copenhagen, Denmark, July 19–24, 2020, Proceedings

HCI International 2020 - Late Breaking Papers: Interaction, Knowledge and Social Media

A Handbook on Child-responsive Urban Planning

Modeling, Practice and Behavior, Second Edition

Public Places - Urban Spaces provides a comprehensive overview of the principles and theory of urban design. This new edition reviews the latest debates, practice and research, and includes expanded discussions on key areas such as sustainability, health and inclusion. Full colour illustrations help demonstrate the application of the concepts discussed in the text, and the clear structure and holistic approach to the subject makes it suitable for dipping into or reading cover to cover. The authors explain the catalysts of change and renewal, and explore the global and local contexts and processes within which urban design as 'place-making' occurs. The book presents six key dimensions of urban design theory and practice -the social, visual, functional, temporal, morphological and perceptual - and relates these to discussions of the market, regulatory processes and how urban design is communicated. This is a clear and accessible text that provides a comprehensive discussion of this complex subject.

Addresses the Challenges Facing Public Transport Policy Makers and Operators Public Transit Planning and Operation: Modeling, Practice and Behavior, Second Edition offers new solutions for delivering both better services and greater efficiency, solutions which have been developed and tested by the author in over thirty years of research work with mass transit policy makers and operators all over the world. It bridges the worlds of practice and research and academia, provides an overview and a critique of currently used operational planning methods, and furnishes innovative practical techniques and modeling. Improve Service Performance and Successfully Manage the Costs of Operation This new edition brings in new material on timetabling and vehicle scheduling with different vehicle sizes, new methods of designing transit route networks, analysis of transit coordination and connectivity, behavioral aspects of passengers including when making transfers, and innovative methods related to automation and optimization which can be used in real time to significantly improve service reliability. Combines academic research with real-world project experience Focuses on issues encountered in practice Provides unique coverage of the field Public Transit Planning and Operation: Modeling, Practice and Behavior, Second Edition incorporates a series of themes and new ways of thinking about planning and operation. Bridging the gap between theory and application, this text outlines the factors affecting public-transport services, addresses common problems, and offers practical solutions for improvement.

This book constitutes late breaking papers from the 22nd International Conference on Human-Computer Interaction, HCII 2020, which was held in July 2020. The conference was planned to take place in Copenhagen, Denmark, but had to change to a virtual conference mode due to the COVID-19 pandemic. From a total of 6326 submissions, a total of 1439 papers and 238 posters have been accepted for publication in the HCII 2020 proceedings before the conference took place. In addition, a total of 333 papers and 144 posters are included in the volumes of the proceedings published after the conference as "Late Breaking Work" (papers and posters). These contributions address the latest research and development efforts in the field and highlight the human aspects of design and use of computing systems. The 54 late breaking papers address topics such as Interaction, Knowledge and Social Media.

Proceedings of Seminar E Held at the PTRC European Transport Forum, University of Warwick, England, from 12-16 September 1994

Nature-Based Solutions for Building Resilience in Towns and Cities

Guide to Good Practice

Achieving Sustainable Urban Form

Transit-supportive Development in the United States

Encyclopedia of Transportation

Viewing transportation through the lens of current social, economic, and policy aspects, this four-volume reference work explores the topic of transportation across multiple disciplines within the social sciences and related areas, including geography, public policy, business, and economics. The book 's articles, all written by experts in the field, seek to answer such questions as: What has been the legacy, not just economically but politically and socially as well, of President Eisenhower 's modern interstate highway system in America? With that system and the infrastructure that supports it now in a state of decline and decay, what 's the best path for the future at a time of enormous fiscal constraints? Should California politicians plunge ahead with

plans for a high-speed rail that every expert says—despite the allure—will go largely unused and will never pay back the massive investment while at this very moment potholes go unfilled all across the state? What path is best for emerging countries to keep pace with dramatic economic growth for their part? What are the social and financial costs of gridlock in our cities? Features: Approximately 675 signed articles authored by prominent scholars are arranged in A-to-Z fashion and conclude with Further Readings and cross references. A Chronology helps readers put individual events into historical context; a Reader ' s Guide organizes entries by broad topical or thematic areas; a detailed index helps users quickly locate entries of most immediate interest; and a Resource Guide provides a list of journals, books, and associations and their websites. While articles were written to avoid jargon as much as possible, a Glossary provides quick definitions of technical terms. To ensure full, well-rounded coverage of the field, the General Editor with expertise in urban planning, public policy, and the environment worked alongside a Consulting Editor with a background in Civil Engineering. The index, Reader ' s Guide, and cross references combine for thorough search-and-browse capabilities in the electronic edition. Available in both print and electronic formats, Encyclopedia of Transportation is an ideal reference for libraries and those who want to explore the issues that surround transportation in the United States and around the world.

Guidelines for enhancing suburban mobility: Overview and summary of findings -- Suburban transit services: The planning context -- Actions to modify and improve the overall suburban transit framework -- Circulators and shuttles -- Subscription buses and vanpools -- Summary: Lessons and conclusions -- Bibliography -- Appendix A: Classifying suburban environments.

Achieving Sustainable Urban Form represents a major advance in the sustainable development debate. It presents research which defines elements of sustainable urban form - density, size, configuration, detailed design and quality - from macro to micro scale. Case studies from Europe, the USA and Australia are used to illustrate good practice within the fields of planning, urban design and architecture.

Proceedings of the Fifth International Conference of Transportation Research Group of India

Walking

Shaping Urbanization for Children

Practices and Future Directions

The Routledge Handbook of Public Transport

Design Guidelines for Public Transport Infrastructure

Originally published in 1995, this monograph examines a developmental approach to urban transport planning, with reference to Indonesia. It provides a profile of the country, outlining Indonesia's geography and population, historical and political background, economic profile and constraints on development. Recent trends in Indonesian development are outlined. Indonesian urban transport demand and supply are analysed, and policy and planning frameworks for urban transport set out, including national policy and financial and institutional issues. Factors affecting urban transport are considered such as settlement characteristics and matching of transport systems with settlement hierarchy. The applicability of a developmental approach to urban transport planning for Indonesia is analysed with reference to experience in industrialized nations and the Third World.

Design Guidelines for Busway Transit

Provision of Travelway Space for Urban Public Transport in Developing Countries

5th CTRG Volume 3

Guidelines to planning and design for bus public transport in a regional conurbation

HCI in Mobility, Transport, and Automotive Systems. Driving Behavior, Urban and Smart Mobility

Case Studies from the Greater Mekong Subregion