

Urban Underground Space Design In China Vernacular

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Geo-Space Urban Design - Gideon S. Golany 1996-09-03

Visit any large metropolitan area in the world, and you'll feel the urgent need for innovative solutions to the many problems that face the modern urban center. Geo-Space Urban Design offers a revolutionary proposal that will lead future urban growth quite literally in a different direction--down. Gideon Golany and Toshio Ojima clearly demonstrate that subsurface urban expansion is not only practical and feasible, but also that it can reverse many of the negative effects normally associated with urban expansion. They present a comprehensive and systematic plan for developing underground spaces for transportation, delivery systems, infrastructure, residences, shopping and commercial spaces, and social and cultural activities. The authors focus on integrating geo-space with existing above-ground structures and offer well-illustrated examples of specific design theories and methods. They also anticipate a variety of contingent issues, such as land ownership, legal rights, and psychological adjustment to underground living and working. Three case studies of Japanese projects that use underground space for shopping, transportation, and infrastructure explore the entire spectrum of issues surrounding the design, construction, and ongoing operation of the facility, including form, function, and efficiency; health, safety, and comfort; legal issues; and special management and security

considerations. Geo-space projects in Montreal and Paris are also examined. Geo-Space Urban Design appeals to a broad range of professionals, all of whom have important roles to play in the creation and operation of the cities of the future. For urban designers, architects, and civil and architectural engineers, this book offers both an eye-opening vision and a challenge to create viable space that will revolutionize urban life; landscape architects, geographers, and environmentalists will find opportunities to redefine the relationship between society and the natural world; and psychologists, social scientists, and government officials will discover new levels of human adaptability, interaction, and cooperation. In this revolutionary book, two leading figures explain how geo-space design and construction will enable urban planners to cope with the most difficult challenges posed by the continued expansion of metropolitan areas, including * Land preservation--conserving precious agricultural land in the face of rapid urban expansion * High urban land prices--making economical use of limited space in urban centers with soaring property values * Efficient urban scale--shrinking overextended and inefficient utility networks * Response to stressful climate--reducing energy consumption in regions subject to extremes of hot or cold weather The authors explore every facet of geo-space and point out the challenges and opportunities these

projects will hold for urbandesigners, architects, civil engineers, architectural engineers, landscape architects, geographers, environmentalists, psychologists, social scientists, and government officials.

New Publications for Architecture Libraries - Mary A. Vance 1990

Journal of the Society of Architectural Historians - Society of Architectural Historians 1989

Includes special issues.

The Arts of the Grid - Liora Bigon 2021-10-04

This is the first collection of interdisciplinary scholarship to expand on gridded modalities, with a strong affinity to the arts. It seeks to inspire new avenues of research by exploring a horizon of gridded relationships among humans, between humans and the environment, and between human and non-human actors. By bringing together philosophical themes and applied practices, the volume traces a genealogy of the "grid" as an exercise in grasping its inherent complexity and incomplete quality. A collective effort by a group of researchers, practitioners, and designers, it promotes an understanding of gridded modalities as complex networks that interact with other networks, generating new meanings and reflecting changes in thought.

China Exchange News - 1986

The Publishers' Trade List Annual - 1992

Forthcoming Books - Rose Arny 1990

LC Science Tracer Bullet - 1972

The Encyclopedia of Housing, Second Edition - Andrew T. Carswell
2012-06-13

The second edition of the Encyclopedia of Housing has been updated to reflect the significant changes in the market that make the landscape of the industry so different today, and includes articles from a fresh set of

scholars who have contributed to the field over the past twelve years.
The Journal of Asian Studies - 1989

Avery Index to Architectural Periodicals. 2d Ed., Rev. and Enl - Avery Library 1992

U.S. Geological Survey Professional Paper - Ardyth M. Simmons 1984

Once Upon a China - CJ Lim 2021-04-16

Once Upon a China is an unconventional architectural story of great beauty, empathy, honour and sadness. The chapters are ingenious reimaginings of 'Dream of the Red Mansion', 'Journey to the West', 'The Water Margin', and 'Romance of the Three Kingdoms', and are conceived as specific themes of Chinese identity: domesticity, consumerism, democracy and adaptability. These four seminal pre-modern fictions contain diverse voices and philosophical perspectives on history as well as satires that have defined past developments of Chinese societies, politics and the built environment. Comics is an unorthodox but extraordinary medium for architectural speculations. The eccentric characteristics of comic-inspired drawings in this book enrich the processes of conception and conceptualisation of design - their fragmented yet sequential nature proves versatile in the imagination of spatial experiences, enabling the complex stories of place, brief and building to materialise. At the same time, the politicisation of architecture through comics engenders a sense of optimism to reappraise Chinese design futures and critical thinking beyond the exuberance of non-contextual Western capitalist models.

Design and Thermal Performance - Gideon Golany 1990

The Chinese constitute the third major community in the world to have lived continuously below ground for many millennia. With case studies representing different geographical and cultural environments, this work shows how Chinese below-ground dwellings provide a comfortable ambient environment with low construction costs.

GB/T-2019, GB-2019 -- Chinese National Standard PDF-English, Catalog

(year 2019) - <https://www.chinesestandard.net> 2020-06-06

This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2019.

Contemporary Authors - 1994

China Exchange Newsletter - 1989

Publishers Trade List Annual, 1992 - 1992

The Town Planning Review - Patrick Abercrombie 1990

Chinese Landscapes - Ronald G. Knapp 1992-01-01

"The studies collected in this volume were written by anthropologists, architects, geographers, historians, a sociologist, and a veterinary ecologist. Taken together they form an exceptionally coherent survey of Chinese villages, ranging from the dry north to the humid southeast and southwest of this vast country. Going beyond books on Chinese vernacular architecture that focus on individual dwellings, this work examines the village ensemble itself, the various settings for the habitation, work, and leisure of China's large rural population."

"Discussions of design, spatial layout, physical setting, settlement patterns, geomantic principles (fengshui), and evolutionary patterns set the stage for eighteen village case studies. Many villages still preserve characteristics that evoke a respect for and understanding of "old China," while others expose the drastic metamorphosis of recent decades. Villages are examined as places, emphasizing that which is visible; each village has its own order and complex of natural and human elements. Chinese Landscapes, though it focuses on the physical appearance of individual villages as they are situated within the constellation that comprises the Chinese landscape, suggests much about more general social, economic, and political patterns."--BOOK JACKET. Title Summary field provided by Blackwell North America, Inc. All Rights Reserved

China's Old Dwellings - Ronald G. Knapp 2019-03-31

China's Old Dwellings is the most comprehensive critical examination of China's folk architectural forms in any language. It and its companion volume, China's Living Houses: Folk Beliefs, Symbols, and Household Ornamentation (UH Press, 1999), together form a landmark study of the environmental, historical, and social factors that influence housing forms for nearly a quarter of the world's population. Both books draw on the author's thirty years of fieldwork and extensive travel in China as well as published and unpublished material in many languages. China's Old Dwellings begins by tracing the interest in Chinese vernacular buildings in the twentieth century. Early chapters detail common and distinctive spatial components, including the interior and exterior modular spaces that are axiomatic components of most Chinese dwellings as well as conventional structural components and building materials common in Chinese construction. Later chapters examine representative housing types in the three broad cultural realms--northern, southern, and western--into which China has been divided. Knapp completes his survey with an exploration of China's old dwellings in the context of the rapid economic and social changes that are destroying so many of them.

Handbook of Chinese Popular Culture - Patrick Murphy 1994

Chinese popular culture is extremely diverse and richly complex. The 18 chapters in this reference provide the most comprehensive and current bibliographical and descriptive study of Chinese popular culture in English. Each chapter, written by an expert contributor, provides a thorough survey of research materials and an overview of the most significant points of critical concern. The extensive closing bibliography provides references for topics not treated in the volume.

Civil Engineering and Urban Planning IV - Yuan-Ming Liu 2016-10-28
Civil Engineering and Urban Planning IV includes the papers presented at the 4th International Conference on Civil Engineering and Urban Planning (CEUP 2015, Beijing, China, 25-27 July 2015). The contributions from experts and world-renowned scientists cover a wide variety of topics: - Civil engineering;- Architecture and urban planning; - Transpor
Vernacular Buildings - Allen Noble 2013-11-27

Constancy permits the evolution of types and characteristics to be

identified, even in widely spread locations. It helps trace the origins of structures, despite later modifications. And change allows one to trace the effects of difference in environment, fashion, cultural ideas and economic influences. Change and constancy operate together, although one may or other may dominate at a particular time and place. In Vernacular Buildings Allen Noble extends the global survey contained in his earlier highly successful Traditional Buildings, to cover vernacular buildings and dwellings around the world. In a truly comprehensive account, he ranges from the fazenda of the pioneer Brazilian settlers, the Masai dwellings of Tanzania and the gothic houses of Shanghai, to Virginia Hall and Parlor houses, the thatched dwellings of the Eifel region of Germany and the three -decker houses of New York. Acknowledging the value of archival research the author is also firmly convinced of the importance of field observation and the book is extensively illustrated with photographs from his own personal collection. With a comprehensive bibliography, and incorporating new material from cultural geographers, historians, folklorists and anthropologists, Vernacular Buildings is a unique survey that will be welcomed by specialists and enthusiasts alike.

Consultants and Consulting Organizations Directory - Janice W. McLean 1989

Indexes are arranged by geographic area, activities, personal name, and consulting firm name.

Progress in Civil, Architectural and Hydraulic Engineering IV - Yun-Hae Kim 2018-11-22

The International Conference on Civil, Architectural and Hydraulic Engineering series provides a forum for exchange of ideas and enhancing mutual understanding between scientists, engineers, policymakers and experts in these engineering fields. This book contains peer-reviewed contributions from many experts representing industry and academic es
Traditional Buildings - Allen Noble 2009-09-18

Based on a lifelong professional and personal interest, "Traditional Buildings" presents a unique survey of vernacular architecture across the globe. The reader is taken on a fascinating tour of traditional building

around the world, which includes the loess cave homes of central China, the stilt houses on the shores of Dahomey, the housebarns of Europe and North America, the wind towers of Iran, the Bohio houses of the Arawak Indians of the Caribbean, and much more. Professor's Noble's extensive travels have allowed him to examine many of the building at close quarters and the richly illustrated text includes photographs from his personal collection. With its comprehensive and detailed bibliography, the work will be welcomed by experts and non-specialists alike.

Architecture Series: Bibliography - 1990

Surface and Underground Project Case Histories - E. Hoek 2016-09-08
Surface and Underground Project Case Histories

Journal of Architectural and Planning Research - 1997

Chinese Earth-Sheltered Dwellings - Gideon Golany 1992-01-01

Urban Underground Space Design in China - Gideon Golany 1989
Urban Underground Space Design in China introduces both the accomplishment of the vernacular and the evaluation of modern, nonresidential below-ground space facilities in China. Gideon S. Golany not only describes the traditional uses of subterranean spaces for food, grain storage, and the tomb of kings and nobles, but also their diverse utilizations today that include developments in the larger cities for underground shopping centers, theaters, dance halls, restaurants and hospitals. Golany's book is the first of its kind in the English language, and it treats its subject thoroughly and comprehensively. The volume includes ninety-six drawings and photographs, tables a glossary, bibliography, index, and other useful and absorbing information.

Ethics and Urban Design - Gideon S. Golany 1995-08-01

"The city," according to urban design scholar Gideon Golany, is "the largest and most complicated project ever produced by humankind." In *Ethics and Urban Design*, he challenges design professionals to reexamine their basic assumptions about the urban environment and offers design strategies based on enduring human values. In search of

answers to the paradoxical problems of the modern city, Golany takes the reader through the sweep of human settlements from the dawn of civilization to the present. His authoritative examination of the genesis of the city is illuminated by instructive examples of early urban centers. Mesopotamia, the Indus River Valley, the Egyptian cities of the Nile, and the capital cities of ancient China--all are examined in the light of what made them work as major centers of human activity. What Golany finds in the success stories of the past are cohesive sociocultural values that shaped the design of homes, neighborhoods, and cities. These ethical values helped to maintain an equilibrium within the society that permeated its natural, social, and human-made environments. In the present era, conversely, he finds a major disconnection between human values and the ethics of technology, which has resulted in confusion, imbalance, and dehumanization. To help designers gain a perspective on possible solutions, Golany explains leading comprehensive design strategies, including the valley theory, the urban border zone concept, and the regional concept of Patrick Geddes. In the case study of contemporary Holland, he details what a small, densely populated country has been able to achieve through design planning rooted in environmental ethics. "Future Frontiers for Urban Design," the culminating section of this groundbreaking book, opens with Golany's vision of the future city. He examines the issues of thermal performance and climate as they relate to urban design and offers the concept of "geospace"--the earth-enveloped habitat. Buttressing his presentation with detailed information on the mechanics of geospace, Golany describes case studies of the successful use of earth-enveloped habitats in China and Tunisia. He makes a powerful argument for the geospace city as a renewal of ancient traditions that can restore the vital equilibrium between nature and human settlements that we seem to have lost. Ethics and Urban Design is a distinguished scholar's analysis and prescription for the city; it offers an abundance of stimulating ideas for the architects, designers, and planners who have assumed responsibility for its future. Ethics & Urban Design draws on historical examples and contemporary case studies from around the world to illustrate urban design strategies

that can help restore equilibrium to the natural, social, and built environments of the city. In this stimulating book, urban design scholar Gideon Golany offers architects, designers, and planners both an in-depth analysis of the fundamental issues of urban design and practical options for the design of the future city. * Examines the genesis and development of the city from the earliest presettlements to the rise of urban society * Presents urban design strategies based on historical examples of early urban centers, including Mesopotamia, the Indus River Valley, Egypt, and China * Offers case studies of environmental success stories from Europe, Asia, and Africa * Details geospace design options--the use of underground space for diversified land use, housing, and transportation * Fully illustrated, with over 80 photographs, drawings, and diagrams
Chinese Studies in English - Tsung-hsün Na 1991

Tunnels and Underground Cities: Engineering and Innovation

Meet Archaeology, Architecture and Art - Daniele Peila 2020-05-18

Tunnels and Underground Cities: Engineering and Innovation meet Archaeology, Architecture and Art. Volume 11: Urban Tunnels - Part 1 contains the contributions presented in the eponymous Technical Session during the World Tunnel Congress 2019 (Naples, Italy, 3-9 May 2019). The use of underground space is continuing to grow, due to global urbanization, public demand for efficient transportation, and energy saving, production and distribution. The growing need for space at ground level, along with its continuous value increase and the challenges of energy saving and achieving sustainable development objectives, demand greater and better use of the underground space to ensure that it supports sustainable, resilient and more liveable cities. The contributions cover a wide range of topics, from geomechanical behavior evaluation, evaluation of long-term tunnel behaviour, via monitoring excavation-related ground deformation to risk management for tunneling-induced deformations. The book is a valuable reference text for tunnelling specialists, owners, engineers, archaeologists, architects, artists and others involved in underground planning, design and building around the world, and for academics who are interested in underground

constructions and geotechnics.

Vernacular Architecture Newsletter - 1994

Bibliography of Asian Studies - 1995

Chinese Urban Planning and Construction - Lanchun Bian 2021-05-29

This volume introduces and discusses the achievements and mechanisms of urban planning and construction in China from multiple professional perspectives, covering practices and processes ranging from ancient times to the present day. The book has 14 chapters, each addressing a specific Chinese urban planning and construction topic with examples and applications in various cities and regions, and each providing an all-around analysis of Chinese urban development issues at different scales, including government administrations, planning progresses, urban investments, social impacts and construction models. The book provides a comprehensive overview of urban planning and construction in China, especially its successful experiences in the historical period and modern era, which will greatly benefit scholars and readers who are interested in China, as well as urban planners, architects and historians. The book is organized into 4 main parts. Part 1 focuses on "historical wisdom" to summarize ancient Chinese efforts to cope with nature and the environment. It interprets the unique wisdom of ancient Chinese cities related to regional design, water conservancy system, and urban districts. Part 2 presents the "transformation" of urban planning in China by learning from both the traditional value and western experiences based on several cases, such as the spatial development of Beijing and the Beijing-Tianjin-Hebei capital region, the preservation of Qingdao city, the urban community development and regeneration in Chongqing city. Part 3 explores the "green and eco-city" by looking towards the future, illustrating Chinese practices and efforts to build more sustainable cities, such as green and low-carbon city construction in Wuhan, healthy city planning and eco-cities construction in China. Part 4 prospects the "modern miracles" brought forth by technological innovation and economic growth, and introduces the newest planning trends in China,

such as the E-commerce Taobao villages in China and the innovation districts in Beijing. It also explains the driving force of the "growth machine" of Suzhou city.

Peri-Urban China - Li Tian 2019-04-02

The urban-rural relationship in China is key to a sustainable global future. This book is particularly interested in peri-urbanization in China, the process by which fringe areas of cities develop. Recent institutional change has helped clarify property rights over collective land, facilitating peri-urban area development. Chapters in this book explore how rural industrialization has changed the landscape and rules about land use in peri-urban areas. It looks at the role of rural industrialization and provides a detailed exploration of peri-urbanization theory, policy, and its evolution in China. Leading discussions find out how fragmented bottom-up industrialization, urbanization, and lax governance have led to a series of social and environmental problems. The progress in redevelopment of peri-urban areas was initially slow due to the spatial lock-in effect. This book offers practical solutions to environmental issues and explains how policymakers have the potential to redevelop a future collaborative, inclusive, and sustainable approach to peri-urban areas. This in-depth approach to urbanization will be useful to academics in urban planning and governmental organizations. It will also be advantageous to NGOs and professionals involved in urban planning, public administration, as well as land-use work in China and other developing countries.

Comprehensive Rock Engineering - John A. Hudson 1993

Engineers wishing to build structures on or in rock use the relatively new discipline known as rock mechanics. *Comprehensive Rock Engineering* is an up-to-date comprehensive work of reference containing a compilation of knowledge in one coherent publication. Clearly illustrated throughout, this multi-volume publication covers every aspect of rock mechanics and rock engineering. The work is arranged in five volumes under the themes: Fundamentals; Analysis and Design Methods; Rock Testing and Site Characterization; Excavation, Support and Monitoring; and Surface and Underground Project Case Histories, providing information for rock

engineering application.