
Modern Housing Prototypes

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The Urban Archetypes of Jane Jacobs and Ebenezer Howard

Building Types and Built Forms

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Science & Business Media

With increasing population and its associated demand on our limited resources, we need to rethink our current strategies for construction of multifamily buildings in urban areas. Reinventing an Urban Vernacular addresses these new demands for smaller and more efficient housing units adapted to local climate. In order to find solutions and to promote better urban communities with an overall environmentally responsible lifestyle, this book examines a wide variety of vernacular building precedents, as they relate to the unique characteristics and demands of six distinctly different regions of the United States. Terry Moor addresses the unique landscape, climate, physical, and social development by analyzing vernacular precedents, and proposing new suggestions for modern needs and expectations. Written for students and architects, planners, and urban designers, Reinventing an Urban Vernacular marries the urban vernacular with ongoing sustainability efforts to produce a unique solution to the housing needs of the changing urban environment.

Harvard University Press

THE URBAN HOUSING HANDBOOK An insightful and revealing look at the intersection of housing and urban design In the newly revised Second Edition of The Urban Housing Handbook, Eric Firley and Victor Deupi deliver a vital design and analysis tool for housing practitioners, students, and researchers. The book outlines the characteristics of 30 of the most notable housing types from around the world, studied against a background of increasing densification. Each of the 30 chapters includes a fully-explored traditional example followed

by one or two contemporary projects of similar spatial configuration that address changing trends in architecture and urban design. For this latest edition all contemporary examples have been updated and are now presented on two full spreads per chapter. Other features include: A rigorous analytical method that classifies the types according to four main categories (courtyard houses, row houses, compounds and apartment buildings) A thorough introduction to the relationship between an individual housing unit and the urban fabric that it creates through repetition A strong focus on dense metropolitan projects from around the world A set of key figures that translate visual information into metrics Unique, original drawings of illustrated housing accompanied by aerial and street-level context photos Conceived for architects and urban designers, The Urban Housing Handbook is also an ideal resource for urban planners, housing developers, builders, and housing trust professionals.

The Urban Archetypes of Jane Jacobs and Ebenezer Howard University of Chicago Press

This book introduces various concepts and methodological approaches to study present and future issues fundamental to the use and meaning of residential settings in various countries and cultural contexts.

Building Types and Built Forms MIT Press

Provides comprehensive coverage of major topics in urban and regional studies Under the guidance of Editor-in-Chief Anthony Orum, this definitive reference work covers central and emergent topics in the field, through an examination of urban and regional conditions and variation across the world. It also provides authoritative

entries on the main conceptual tools used by anthropologists, sociologists, geographers, and political scientists in the study of cities and regions. Among such concepts are those of place and space; geographical regions; the nature of power and politics in cities; urban culture; and many others. The Wiley Blackwell Encyclopedia of Urban and Regional Studies captures the character of complex urban and regional dynamics across the globe, including timely entries on Latin America, Africa, India and China. At the same time, it contains illuminating entries on some of the current concepts that seek to grasp the essence of the global world today, such as those of Friedmann and Sassen on 'global cities'. It also includes discussions of recent economic writings on cities and regions such as those of Richard Florida. Comprised of over 450 entries on the most important topics and from a range of theoretical perspectives Features authoritative entries on topics ranging from gender and the city to biographical profiles of figures like Frank Lloyd Wright Takes a global perspective with entries providing coverage of Latin America and Africa, India and China, and, the US and Europe Includes biographies of central figures in urban and regional studies, such as Doreen Massey, Peter Hall, Neil Smith, and Henri Lefebvre The Wiley Blackwell Encyclopedia of Urban and Regional Studies is an indispensable reference for students and researchers in urban and regional studies, urban sociology, urban geography, and urban anthropology.

The Routledge Companion to Twentieth and Early Twenty-First Century Urban Design Troubador Publishing Ltd

Since its publication in Spanish in 1998, The Grid and the Park not only

revitalized studies on the history of Buenos Aires, but also laid the foundation for a specific type of cultural work on the city—an urban perspective for cultural history, as its author would describe it—that has had a sustained impact in Latin America. Public space, embodied in the grid of city blocks and the park system, here appears as a particularly productive category because it encompasses dimensions of the material city, politics, and culture, which are usually studied separately. From Domingo Faustino Sarmiento's figurations of Palermo Park in the mid-nineteenth century to Jorge Luis Borges's discovery of the suburb in the 1920s; from the modernization of the traditional center carried out by Mayor Torcuato de Alvear in the 1880s to the questioning of that centrality by the emergence of the suburban barrio, the book weaves the changing ideas on public space with urban culture to produce a new history of the metropolitan expansion of Buenos Aires, one of the most extensive and dynamic urban centers of the early twentieth century.

"Architecture, Design and Craft in Toronto 1900-1940 " University of Toronto Press

By analyzing ten examples of buildings that embody the human experience at an extraordinary level, this book clarifies the central importance of the role of function in architecture as a generative force in determining built form. Using familiar twentieth-century buildings as case studies, the authors present these from a new perspective, based on their functional design concepts. Here Grabow and Spreckelmeyer expand the definition of human use to that of an art form by re-evaluating these buildings from an aesthetic and ecological view of function. Each building is described from

the point of view of a major functional concept or idea of human use which then spreads out and influences the spatial organization, built form and structure. In doing so each building is presented as an exemplar that reaches beyond the pragmatic concerns of a narrow program and demonstrates how functional concepts can inspire great design, evoke archetypal human experience and help us to understand how architecture embodies the deeper purposes and meanings of everyday life. *Advances in Artificial Intelligence* Birkhäuser

Although modernization in Korea started more than a century later than in the West, it has worked as a prominent ideology throughout the past century—in particular it has brought radical changes in Korean architecture and cities. Traditional structures and ways of life have been thoroughly uprooted in modernity's continuous negation of the past. This book presents a comprehensive overview of architectural development and urbanization in Korea within the broad framework of modernization. Twentieth-century Korean architecture and cities form three distinctive periods. The first, defined as colonial modern, occurred between the early twentieth century and 1945, when Western civilization was transplanted to Korea via Japan, and a modern way of life, albeit distorted, began taking shape. The second is the so-called developmental dictatorship period. Between 1961 and 1988, the explosive growth of urban populations resulted in large-scale construction booms, and architects delved into modern identity through the locality of traditional architecture. The last period began in the mid-1990s and may be defined as one of modernization settlement and a

transition to globalization. With city populations leveling out, urbanization and architecture came to be viewed from new perspectives. Inha Jung, however, contends that what is more significant is the identification of elements that have remained unchanged. Jung identifies continuities that have been formed by long-standing relationships between humans and their built environment and, despite rapid modernization, are still deeply rooted in the Korean way of life. For this reason, in the twentieth century, regionalism exerted a great influence on Korean architects. Various architectural and urban principles that Koreans developed over a long period while adapting to the natural environment have provided important foundations for architects' works. By exploring these sources, this carefully researched and amply illustrated book makes an original contribution to defining modern identity in Korea's architecture, housing, and urbanism.

Housing and Planning References

McGill-Queen's Press - MQUP

This book offers practical solutions to achieving sustainable urbandesign and development, and helps designers communicate thesesolutions effectively to planners, developers and policy makers. Addressing sustainability issues in relation to the design andplanning of the urban environment is a complex, multi-disciplinaryissue and solutions never arrive from a single perspective. Theauthors use design as a facilitating factor to consider when and bywhom decisions that contribute to sustainability are made, andthrough three major city-centre case studies - London, Manchesterand Sheffield - they consider social, environmental andeconomic factors and examine their relationship to

the decision-making process. Designing Sustainable Cities begins by identifying the key processes and lead decision-makers. The following chapters develop an understanding of the dimensions of sustainability, presenting the tools by which the dimensions can be analysed. Later chapters illustrate the trade-offs and the relationships between the dimensions of sustainability - with case study examples - as well as the use of IT in making design decisions. Finally, the book makes recommendations for future approaches to the design, development and on-going management of urban environments. Designing Sustainable Cities covers: latest research data on the urban environment and the interaction between social, economic and environmental issues methods of understanding the context in which urban design takes place guidance on the codes of practice process maps to help understand the context, make trade-offs and develop design solutions that allow for change methods for testing the consequences of design proposals and monitoring outcomes.

The Le Corbusier Guide MIT Press
Der Grundrissatlas Wohnungsbau gehört seit Jahrzehnten zu den Grundlagenwerken der Architektur. In seiner 5., überarbeiteten und erweiterten Auflage dokumentiert und analysiert er rund 160 internationale Wohnungsbauten seit 1945. Im Zentrum stehen Beispiele, die vorbildlich und übertragbar, und Konzepte, die innovativ und wegweisend sind. Die systematische Darstellung aller Projekte ermöglicht es dem Leser, die Grundrisse zu vergleichen und zu bewerten - um sich so durch die Ideen und Strategien bei der eigenen Arbeit am Grundriss anregen zu lassen. Die einleitenden theoretischen und historischen Essays

sind neu verfasst beziehungsweise aktualisiert worden und bieten ein übersichtlich strukturiertes Bild der Wohnungsbautypologie und ihrer Entwicklung.

The Electronic Design Studio John Wiley & Sons

Research in artificial intelligence, natural language processing and knowledge-based systems has blossomed during the past decade. At national and international symposia as well as in research centers and universities all over the world, these subjects have been the focus of intense debate and study. This is equally true in Israel which has hosted several international forums on these topics. The articles in this book represent a selection of contributions presented at recent AI conferences held in Israel. A theoretical model for a system that learns from its own experience in playing board games is presented in *Learning from Experience in Board Games* by Ze'ev Ben-Porat and Martin Golumbic. The model enables such a system to enhance and improve its playing capabilities through the use of a learning mechanism which extracts knowledge from actual playing experience. The learning process requires no external guidance or assistance. This model was implemented and tested on a variant of "Chinese Checkers." The paper shows the feasibility and validity of the proposed model and investigates the parameters that affect its performance traits. The experimental results give evidence of the validity of the model as a powerful learning mechanism. Original and general algorithms for knowledge extraction and pattern matching were designed and tested as part of the prototype computer system. Analysis of the performance characteristics of these algorithms indicates that they can

handle large knowledge bases in an efficient manner.

Key Urban Housing of the Twentieth Century Routledge

Toronto - the largest and one of the most multicultural cities in Canada - boasts an equally interesting and diverse architectural heritage. *Architecture, Design and Craft in Toronto 1900-1940* tells a story of the significant changes in domestic life in the first 40 years of the twentieth century. Adopting a multidisciplinary approach to studies of residential spaces, the author examines how questions of modernity and modern living influenced not only architectural designs but also interior furnishings, modes of transportation and ways to spend leisure time. The book discusses several case studies, some of which are known both locally and internationally (for example Casa Loma), while others such as Guild of All Arts or Sherwood have been virtually unstudied by historians of visual culture. The overall goal of the book is to put Toronto on the map of scholars of urban design and architecture and to uncover previously unknown histories of design, craft and domesticity in Toronto. This study will be of interest not only to the academic community (namely architects, designers, craftspeople and scholars of these disciplines, along with social historians), but also the general public interested in local history and/or visual culture.

The Architecture of Use Routledge

This new edited volume of critical essays examines designs for modern living in Asia between 1945 and 1990. Focusing particularly on the post-World War II and postcolonial years, this book advances multidisciplinary knowledge on approaches to and designs for modern living. Developed from extensive primary

research and case studies, each essay illuminates commonalities and particularities of the trajectories of Modernism and notions of modernity, their translation and manifestation in life across Asia through design. Authors address everyday negotiations and experiences of being modern by studying exhibitions, architecture, modern interiors, printed ephemera, literary discourses, healthy living movements and transnational networks of modern designers. They examine processes of exchange between people, institutions and with governments, in and across Asia, as well as with the USA and countries in Western Europe. This book highlights the ways in which the production and discourses of modern design were underscored by economic advancement and modernization processes, and fuelled by aesthetic debates on modern design. Critically exploring design for modern living in Asia, this book offers fresh perspectives on Modernism to students and scholars.

Modern Housing for America JHU Press

Urban areas have been caught up in a turbulent process of transformation over the past 50 years and changes have been rapid, with issues such as mobility, nature, water management, energy use and public space featuring prominently.

In each Olympic year since 1988, the Faculty of Architecture at Delft University of Technology has held an international conference focusing on the connection between research and design, exploring the field of tension between science, technology and art.

This book presents the proceedings of the latest in this series of conferences: *New Urban Configurations*, held in Delft, the Netherlands, in October 2012 in collaboration with the European

Association for Architectural Education (EAAE) and the International Seminar on Urban Form (ISUF). This edition of the conference discussed the role and critical potential of the architectural project in the transformation process of cities and territories that leads to new urban configurations. The publication contains all 140 accepted papers and a selection of the keynote lectures presented at the conference. The papers have been grouped into five main themes: innovation in building typology; infrastructure and the city; complex urban projects; green spaces, and delta urbanism. Four of these major topics are further divided into several subtopics. This book will be of interest to everyone involved in designing, building, thinking about as well as managing the urban landscape and territory.

The Grid and the Park Routledge

What was it like to grow up in a Modernist residence? Did these radical environments shape the way that children looked at architecture later in life? The oral history in this book paints a uniquely intimate portrait of Modernism. The authors conducted interviews with people, who spent their childhood in radical Modernist domestic spaces, uncovering both serene and poignant memories. The recollections range from the ambivalence of philosopher Ernst Tugendhat, now 90 years old, who lived in the famous Mies van der Rohe house in Brno (1930) to the fond reminiscing of the youngest daughter of the Schminke family, who still dreams of her Scharoun-designed ship-like villa in Löbau (1933). The book offers a unique, private and often refreshing perspective on these icons of the avant-garde.

Southeast Asian Houses MIT Press
Modern Housing Prototypes Harvard

University Press

Modern Housing for Sedentarized Nomads Birkhäuser

This book investigates the development of multi-unit housing typologies that were predominant in a particular city from the 1800s to present day. It emphasises the importance of understanding the direct connection between housing and dwelling in the context of a city, and the manner in which the city is an instructional indication of how a housing typology is embodied. The case studies presented offer an insight into why a certain housing type flourished in a specific city and the variety span across cities in the world where distinct housing types have prevailed. It also pursues how housing types developed, evolved, and helped define the city, looks into how dwellers inhabited their dwellings, and analyses how the housing typologies correlates in a contemporary context. The typologies studied are back-to-backs in Birmingham; tenements in London; Haussmann Apartment in Paris; tenements in New York; tong lau in Hong Kong; perimeter block, linear block, and block-edge in Berlin; perimeter block and solitaire in Amsterdam; space-enclosing structure in Beijing; micro house in Tokyo, and high-rise in Toronto.

Gids voor moderne architectuur in Nederland Birkhäuser

Wie war die Erfahrung, in einem Bau der Moderne aufzuwachsen? Wie hat diese radikal andere Umgebung die Kinder und späteren Erwachsenen geprägt? Dieses Buch zeichnet ein intimes und ungewöhnliches Porträt der Architektur der Avantgarde. Die Autoren haben „Oral History“-Interviews mit ehemaligen Bewohnern geführt und dabei heitere wie auch ergreifende Erinnerungen aufgezeichnet.

Modern Housing Prototypes University of Hawaii Press

In *The Grow Home*, Avi Friedman, winner of the United Nations World Habitat Award and internationally acclaimed architect, recounts the genesis and development of his innovative project in. Like the auto industry's approach to the economy car, Friedman's *Grow Home* gives people what they need in a house at an affordable price - a quality product that allows both the perimeter and interior of a house to be expanded and changed to fit the space needs and budget of its owners. Frills are extra. With economic restructuring, demographic shifts, and lifestyle changes, the traditional family - working father, stay-at-home mother, two to three children - is no longer the norm and the need for smaller homes at moderate cost has skyrocketed. The first prototype of the *Grow Home* was built on the campus of McGill University in 1990 and more than one thousand units were built across North America and Europe in the first year alone. In this illustrated guide, Friedman describes the background, conception, and construction of these modest (14' x 36') homes. He details their construction for prospective owners, builders, and architects, showing how past and contemporary precedents were transformed and how the first versions were adapted by the building industry. Visits to completed *Grow Homes* shed light on why such homes were purchased and the process by which they "grew." Friedman also shows how the design has been adapted for prefabrication to meet the needs of the developing world. He describes the contribution that small-unit design makes to saving valuable natural resources and shares his experiences in

planning communities based on the *Grow Home*. The *Grow Home* reveals the development and history of a concept that revolutionizes the home and building industry, has been translated into over 10,000 housing units and has received, among many accolades, the United Nations World Habitat Award **Invisible Gardens** *Modern Housing Prototypes*

Here are 32 notable examples of multi-family housing from many countries, selected for their importance as prototypes. Designed by such masters as Frank Lloyd Wright, Le Corbusier, Mies van der Rohe, and Alvar Aalto, the buildings are illustrated with photographs, site plans, floor plans, elevations, and striking axonometric drawings.

Modern Housing Prototypes Princeton Architectural Press

Ebenzer Howard, an Englishman, and Jane Jacobs, a naturalized Canadian, personify the twentieth century's opposing outlooks on cities. Howard had envisaged small towns, newly built from scratch, fashioned on single family homes with small gardens. Jacobs embraced existing inner-city neighbourhoods emphasizing the verve of the living street. From Howard's idea, the American Dream of garden suburbs had emerged, yet his conceptualization of a modern city received criticism for being uniform and alienated from the rest of the city. Similarly, at the turn of the new century, Jacobs' inner-city neighbourhoods came to be recognized as the result of commodification, vacillating between poverty and newly discovered hubs of urban authenticity. Presenting Howard and Jacobs within a psychocultural context, *The Urban Archetypes* of Jane Jacobs and Ebenzer Howard addresses our urban crisis in the

recognition that "city form" is a gendered, allegorical medium expressing femininity and masculinity within two founding features of the built environment: void and volume. Both founding contrasts bring tensions, but also the opportunities of fusion between pairs of urban polarities: human scale

against superscale, gait against speed, and spontaneity against surveillance. Jacobs and Howard, in their respective attitudes, have come to embrace the two ancient archetypes, the Garden and the Citadel, leaving it to future generations to blend their two contrarian stances.

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