

New Light On Vernacular Architecture

Local communities have adapted for centuries to challenging surroundings, resulting from unforeseen natural hazards. Vernacular architecture often reveals very intelligent responses attuned to the environment. Therefore, the question that emerged was: how did local populations prepare their dwellings to face frequent earthquakes? It was to respond to this gap in knowledge, that the SEISMIC-V research project was instigated, and this interdisciplinary international publication was prepared. The research revealed the existence of a local seismic culture, in terms of reactive or preventive seismic resistant measures, able to survive, if properly maintained, in areas with frequent earthquakes. The fundamental contribution and aims of the publication were to enhance: -The disciplinary interest in vernacular architecture; -Its contribution to risk mitigation in responding to natural hazards; -To encourage academic and scientific research collaboration among different disciplines; -To contribute to the improvement of vernacular dwellings, which half of the world's population still inhabits nowadays. Fifty international researchers and experts presented case studies from Latin America, the Mediterranean, Eastern and Central Asia and the Himalayas region, with reference to 20 countries, i.e. Algeria, Bolivia, Bhutan, Chile, China, Egypt, El Salvador, Greece, Haiti, Italy, Japan, Mexico, Morocco, Nepal, Nicaragua, Peru, Romania, Taiwan, Turkey and a closer detailed analysis of Portugal. This publication brings together 43 contributions, with new perspectives on seismic retrofitting techniques and relevant data, addressing vernacular architecture; an amazing source of knowledge, and to this day, home to 4 billion people.

To complement the critical and objective view gleaned from the study of some sixty buildings, this design manual has been developed to provide a more synthetic approach to the principles which lie behind successful daylight design. These principles are illustrated with examples drawn from the case study buildings. The emphasis throughout has been on practical methods to improve design, rather than techniques studied for any intrinsic interest. The book provides the necessary tools to assist the designer to provide well daylit interiors, and shows that good daylight design is not a restriction on architectural expression but, on the contrary, acts as an inspiration and foundation for good architecture.

Visual computing and descriptive geometry are multidisciplinary fields addressing the handling of images, 3D models, and other computer graphics. These ideas are experiencing a revival due to emergent technologies and applications available to developers. Based in traditional forms of design and architecture, these fields are currently experiencing a bounty of new research based on old principles. The Handbook of Research on Visual Computing and Emerging Geometrical Design Tools seeks to add to this knowledge base by considering these technologies from a designer's perspective rather than reiterating the principles of computer science. It combines aspects of geometry and representation with emerging tools for CAD, generation, and visualization while addressing the digital heritage of such fields. This book is an invaluable resource for developers, students of both graphic and computer-generated design, researchers, and designers.

Wooden buildings housed the majority of Swedish urban populations during the early modern era, but many of these buildings have disappeared as the result of fire, demolition, and modernisation. This book reveals the fundamental role played by the wooden house in the formation of urban Sweden and Swedish history.

Bringing together scholarship in diverse fields - including architecture, geography, folklore, anthropology, and urban studies - the seventeen essays in this volume confirm the transformations now occurring in the study of vernacular architecture. Moving away from a single vision of vernacular architecture that consisted only of old, rural, handmade structures built in traditional forms and materials for everyday use, scholars are exploring a wider variety of forms and landscapes - from company towns to grand expositions. Drawn from two conferences of the Vernacular Architecture Forum - one held in Charleston in 1994, the other in Ottawa in 1995 - these essays address a broad range of topics.

Vernacular architecture in general and earthen architecture in particular, with their rich variety of forms worldwide, are custodians of the material culture and identity of the peoples who built them. In addition, they are widely recognized as ancestral examples of sustainability in all their variants and interpretations, and the architecture of the present ought to learn from these when designing the sustainable architecture of the future. The conservation of these architectures – seemingly simple yet full of wisdom – is to be undertaken now given their intrinsic value and their status as genuine examples of sustainability to be learnt from and interpreted in contemporary architecture. Vernacular and earthen architecture: Conservation and Sustainability will be a valuable source of information for academics and professionals in the fields of Environmental Science, Civil Engineering, Construction and Building Engineering and Architecture.

This book presents an in-depth analysis covering climatic and weather conditions, house and building development history, construction methods and technologies, and environmental conditions. It provides relevant house and building information and highlights recent advances in hot and humid regions, as well as developments in other regions that are relevant to hot and humid climates. The countries in hot and humid regions, which include the tropical countries, the Middle Eastern countries around the Mediterranean, and many countries of Central Asia and Africa, are home to some of the most challenging conditions in the world in terms of house and building design and construction, and in terms of maintaining indoor thermal comfort and air quality in an energy-efficient way. The book's respective chapters, prepared by expert contributors, cover essential concepts, designs, and construction methodologies for houses and commercial buildings. As such, the book offers a valuable resource for undergraduate and graduate students in architecture and engineering, house and building designers, and building sciences researchers. Building contractors, manufacturers and distributors of building equipment and devices, and government policymakers and legislators will also benefit from the information provided in this book.

People have been searching for meaning in Islamic art for centuries. Newly available in paperback, this book explores the iconography of Islamic art, presenting a diverse range of approaches to the subject. Despite this variety, there is an overarching theme: the linking of the interpretation of objects to textual sources. This results in a collection of in-depth studies of motifs as diverse as the peacock, trees, and the figure holding a cup and branch. In addition, new interpretations are presented of other objects, such as an Abuyyid metal basin or Mongol paintings. Textual sources on the Ka'ba or the use of marble provide a starting point for the examination of objects and their relationship to history. The architectural decoration of monuments from Egypt to India is analysed, and Arab and Safavid paintings are mined for meaning. Links with Christian elements in Sicily or Buddhist stupas are appraised. Generously illustrated throughout, this book will appeal to all those with an interest in Islamic art, architecture and iconography. Key Features* Lavishly illustrated with colour and black and white photographs and line drawings* Features contributions from leading figures including Sheila S. Blair and Jonathan M. Bloom* Presents new interpretations of Islamic art* Integrates the study of objects and related texts

Daylight, Design and Place-Making examines the role of daylight in creating and revealing the wonders of heritage and contemporary architecture. Shifting from a purely technical approach to daylighting, this book places importance on the creation of meaningful aesthetics through an understanding of context and culture. Cultural applications of light in architecture differ depending on various historical, technological, and social characteristics. Increasingly, there is a revival of interest in contemporary architecture using daylight as an essential contextual ingredient in the design process. By examining the architecture of daylight in different locales and setting these in their historical contexts, the book argues that appropriate use of daylight will ensure not only

visual and thermal comfort in the urban setting and aid in energy efficiency, but also will contribute to the overall identity of new buildings, particularly in urban regeneration projects. This book brings together an analysis of technical aspects of daylight performance and environmental impact, with discussions on the psychology of daylighting and its influence in shaping perceptions of our built environment. It will be an ideal read for academics and researchers interested in architecture and cultural studies.

Based on thirty-five years of fieldwork, Glassie's Vernacular Architecture synthesizes a career of concern with traditional building. He articulates the key principles of architectural analysis, and then, centering his argument in the United States, but drawing comparative examples from many locations in Europe and Asia, he shows how architecture can be a prime resource for the one who would write a democratic and comprehensive history.

The study of vernacular architecture explores the characteristics of domestic buildings in particular regions or localities, and the many social and cultural factors that have contributed to their evolution. In this book, vernacular architecture specialist Paul Oliver brings together a wealth of information that spans over two decades, and the whole globe. Some previously unpublished papers, as well as those only available in hard to find conference proceedings, are brought together in one volume to form a fascinating reference for students and professional architects, as well as all those involved with planning housing schemes in their home countries and overseas.

This volume collects the proceedings of the International Seminar The Mediterranean Medina, that took place in the School of Architecture at Pescara from 17th to 19th of June 2004.

Norfolk 1: Norwich and North-East and its companion, Norfolk 2: North-West and South, aim to provide a lively and uniquely comprehensive survey of the architectural treasures of Norfolk. Extensively revised and expanded, these new editions of Sir Nikolaus Pevsner's original volumes bring together the latest research on a county which has some of the most attractive buildings in England. The gazetteer is enhanced by an introduction which provides a perceptive overview of the region's architectural inheritance, and is illustrated by numerous text figures, maps and 130 photographs (many specially commissioned). Pre-eminent in this volume is the city of Norwich, rich in major buildings of outstanding quality, from Norman cathedral and castle to twentieth-century city hall and university. Supreme among the ports described in this volume is the medieval walled town of Great Yarmouth, whose highly individual history and buildings are here examined in detail for the first time. There are also full descriptions of many appealing market towns, whilst the rest of the county is revealed through succinct accounts of its parish churches and less well-known buildings. Abbey ruins, brick eighteenth-century farmhouses and estate cottages in quiet inland villages contrast with coastal fishing settlements and resorts. Great barns testify to the significance of agriculture. Country houses range from the magnificent Jacobean Blickling Hall to seaside extravaganzas by Lutyens. Detailed indexes make this not only an essential reference book, but also a guide book for anyone interested in the rich region of Norfolk.

International heritage preservation consultant Langenbach makes the case for the preservation of the traditional domestic architecture that makes up the urban landscape of Srinagar and other cities in Kashmir.

This pioneering book is the first full-length study of the matha, or Hindu monastery, which developed in India at the turn of the first millennium. Rendered monumentally in stone, the matha represented more than just an architectural innovation: it signaled the institutionalization of asceticism into a formalized monastic practice, as well as the emergence of the guru as an influential public figure. With entirely new primary research, Tamara I. Sears examines the architectural and archaeological histories of six little-known monasteries in Central India and reveals the relationships between political power, religion, and the production of sacred space. This important work of scholarship features scrupulous original measured drawings, providing a vast amount of new material and a much-needed contribution to the fields of Asian art, religious studies, and cultural history. In introducing new categories of architecture, this book illuminates the potential of buildings to reconfigure not only social and ritual relationships but also the fundamental ontology of the world.

Cities of Light is the first global overview of modern urban illumination, a development that allows human wakefulness to colonize the night, doubling the hours available for purposeful and industrious activities. Urban lighting is undergoing a revolution due to recent developments in lighting technology, and increased focus on sustainability and human-scaled environments. Cities of Light is expansive in coverage, spanning two centuries and touching on developments on six continents, without diluting its central focus on architectural and urban lighting. Covering history, geography, theory, and speculation in urban lighting, readers will have numerous points of entry into the book, finding it easy to navigate for a quick reference and or a coherent narrative if read straight through. With chapters written by respected scholars and highly-regarded contemporary practitioners, this book will delight students and practitioners of architectural and urban history, area and cultural studies, and lighting design professionals and the institutional and municipal authorities they serve. At a moment when the entire world is being reshaped by new lighting technologies and new design attitudes, the longer history of urban lighting remains fragmentary. Cities of Light aims to provide a global framework for historical studies of urban lighting and to offer a new perspective on the fast-moving developments of lighting today.

Earthen architecture is widespread all over the world and demonstrates a significant richness of varieties both in application and in materials used. This book discusses and debates the lessons that can be learned from earthen architecture to create sustainable architecture today, both for the conservation of traditional existing buildings and the

This book results from a Special Issue published in Energies, entitled "Building Thermal Envelope". Its intent is to identify emerging research areas within the field of building thermal envelope solutions and contribute to the increased use of more energy-efficient solutions in new and refurbished buildings. Its contents are organized in the following sections: Building envelope materials and systems envisaging indoor comfort and energy efficiency; Building thermal and energy modelling and simulation; Lab test procedures and methods of field measurement to assess the performance of materials and building solutions; Smart materials and renewable energy in building envelope; Adaptive and intelligent building envelope; and Integrated building envelope technologies for high performance buildings and cities.

From iconic neighborhoods such as the French Quarter and the Garden District to more economically modest but no less culturally vibrant areas, architecture is a key element that makes New Orleans an extraordinary American city. Delirious New Orleans began as a documentary project to capture the idiosyncratic vernacular architecture and artifacts—vintage mom-and-pop businesses, roadside motels, live music clubs, neon signs, wall murals, fast-food joints, and so on—that helped give the city's various neighborhoods their unique character. But because so

many of these places and artifacts were devastated by Hurricane Katrina, *Delirious New Orleans* has become both a historical record of what existed in the past and a blueprint for what must be rebuilt and restored to retain the city's unique multicultural landscape. Stephen Verderber starts with the premise that New Orleans's often-overlooked neighborhoods imbue the city with deep authenticity as a place. He opens *Delirious New Orleans* with a photo-essay that vividly presents this vernacular architecture and its artifacts, both before Katrina and in its immediate aftermath. In the following sections of the book, which are also heavily illustrated, Verderber takes us on a tour of the city's commercial vernacular architecture, as well as the expressive folk architecture of its African American neighborhoods. He discusses how the built environment was profoundly shaped by New Orleans's history of race and class inequities and political maneuvering, along with its peculiar, below-sea-level geography. Verderber also considers the aftermath of Katrina and the armada of faceless FEMA trailers that have, at least temporarily and by default, transformed this urban landscape.

This book is an introduction to the vernacular (or "minor") architecture of the villages of the Venetian lagoon, excluding the historic centre of the city itself. It is intended as a companion volume to Dr Goy's "Chioggia and the Villages of the Venetian Lagoon".

The architectural community has had a strong and continuing interest in traditional and vernacular architecture. *Lessons from Vernacular Architecture* takes lessons directly from traditional and vernacular architecture and offers them to the reader as guidance and inspiration for new buildings. The appropriate technical and social solutions provided by vernacular and traditional architecture are analysed in detail. International case studies focus on environmental design aspects of traditional architecture in a broad range of climatic conditions and building types. Get ready to build your dream home with this collection of Southern Living house plans—designed by the South's top architects and builders. You'll find more than 50 of our best-selling plans, complete with renderings, color photographs, floor plans, and more. We'll also share ideas and advice from Southern interior designers for decorating your new home, including favorite paint colors, kitchen and bath design ideas, and tips for outdoor living spaces.

York explores the archaeology, art, architecture and cultural heritage of the city in the late Middle Ages. In the years since the resurrection of the British Archaeological Association conference in 1976, the association has met in the city only once (in 1988), for a conference that celebrated Yorkshire Monasticism. As a consequence, the secular and vernacular architecture as well as the architecture, art and imagery of York Minster were excluded from its scope, something redressed in the meeting that took place in 2017. As many recent publications have focused on York in the earlier medieval period, this book shines a much-needed light on the city in the later medieval ages. Starting with a range of essays on York Minster by authors directly involved in major conservation projects undertaken in the last ten years, the book also includes information on the vernacular architecture and transport infrastructure of York, as well as the parochial and material culture of the period. Illuminating the extensive resources for the study of the late Middle Ages in England's second capital, this book provides new research on this important city and will be suitable for researchers in medieval archaeology, art history, literature and material culture.

"Little by little the gap grows larger and larger between people and their roots. Western life now plays out far from its origins in nature and history. Think of this essay as a pause in that on-rushing existence."--From the Introduction A traveler along the banks of the Connecticut River will be struck by the number of long low sheds rising from the fields as if they are an extension of the landscape. A building type shaped by necessity that grows more beautiful with use and age, these are tobacco curing sheds, mute witnesses to a slowly vanishing agricultural tradition and a thriving economic boom of the last hundred and fifty years. Surprisingly, the Connecticut River valley was once a major producer of cigar leaf tobacco. One of the plants whose cultivation was learned from the native Americans, tobacco was the main crop of many old Yankee farmers and, after them, the Slavic newcomers. The need to season the "Indian weede" gave rise to the structure of the drying barns, a vernacular style unique to its time and place. Just as a picture can throw light on an entire world, so can these drying sheds open a window on a way of life that is fast receding. James F. O'Gorman reads through oral histories, newspaper reports, and the terse factual writing of agricultural diaries to bring to life the risks and rewards of living close to the seasons, at the mercy of rainfall and sunshine. He has collected an array of vintage and newly commissioned photos of the work of growing tobacco, from de facto portraits of anonymous laborers to images of the sheds themselves, with all their ventilating doors open, welcoming the air. In this beautifully crafted book, O'Gorman treats both the people and the sheds with the respect and admiration their precarious presence requires. An inquiry that becomes an elegy for a way of life that is part of our rural heritage, *Connecticut Valley Vernacular* is an appreciative glance back by one of our premier architectural historians.

A comprehensive examination of American vernacular buildings.

In *Religions and Architecture in Premodern Indonesia* Gaudenz Domenig presents a new approach to the study of indigenous religions and their influence on vernacular architecture in Indonesia.

Adaptive reuse – the process of repairing and restoring existing buildings for new or continued use – is becoming an essential part of architectural practice. As mounting demographic, economic, and ecological challenges limit opportunities for new construction, architects increasingly focus on transforming and adapting existing buildings. This book introduces adaptive reuse as a new discipline. It provides students and professionals with the understanding and the tools they need to develop innovative and creative approaches, helping them to rethink and redesign existing buildings – a skill which is becoming more and more important. Part I outlines the history of adaptive reuse and explains the concepts and methods that lie behind new design processes and contemporary practice. Part II consists of a wide range of case studies, representing different time periods and strategies for intervention. Iconic adaptive reuse projects such as the Caixa Forum in Madrid and the Rijksmuseum in Amsterdam are discussed alongside less

famous and spontaneous transformations such as the Kunsthaus Tacheles in Berlin, in addition to projects from Italy, Spain, Croatia, Belgium, Poland, and the USA. Featuring over 100 high-quality color illustrations, *Adaptive Reuse of the Built Heritage* is essential reading for students and professionals in architecture, interior design, heritage conservation, and urban planning.

Vernacular architecture is architecture without architects; designed based on local needs, these buildings make use of natural resources and demonstrate diverse architectural forms, design elements unique to their culture, and ingenious construction techniques. From bamboo garden pavilions in China to homes made from reeds in southern Iraq, and mud dwellings in Mali to pine huts in Siberia, *Habitat* showcases the diverse and indigenous materials that can be used to build innovative, sustainable structures. The core of *Habitat* is arranged by climate zone, from desert to tropical, temperate to arctic. Within each section, buildings are presented regionally, showing how local climatic conditions and vegetation affect the evolution of building styles. Complete with a range of essays exploring the economic and anthropological aspects, as well as a reference section with information on materials science and engineering, *Habitat* offers real-world insights into sustainable buildings and stresses the importance of preserving disappearing craftsmanship and local knowledge.

This book chronicles the florescence of architecture in the Arabian Gulf after the expulsion of the Portuguese in the early 1600's. It demonstrates how the power vacuum created by the collapse of Portuguese control over the trade routes in the Indian Ocean encouraged a growth in fortified architecture, especially in Oman, that radiated out to the surrounding region and was then slowly replaced by new patterns in domestic and public architecture and town planning throughout the Gulf as the trade lines were secured and the individual countries took the first steps towards the formation of today's modern nation-states. The book documents the buildings and crafts of this era and analyses them within the framework of the political, economic, and social information available through primary sources from the period in a way that is both intelligent and accessible. It considers the settlements as part of a larger-connected network of cities, towns and villages and focuses both on how the buildings provided innovative solutions to the demanding climate and yet incorporated new decorative and functional ideas. Topics are extensively and richly illustrated with colored photographs of the buildings as they are now, black and white and color historic photographs from archival and museum collections, line drawings, and computer-generated reconstructions. The book is therefore attractive to a number of audiences, including those who live in or travel to the Gulf as well as people with an interest in Arab and Islamic design, culture and society, vernacular architecture, and post-colonial approaches to colonial history.

Old-House Journal is the original magazine devoted to restoring and preserving old houses. For more than 35 years, our mission has been to help old-house owners repair, restore, update, and decorate buildings of every age and architectural style. Each issue explores hands-on restoration techniques, practical architectural guidelines, historical overviews, and homeowner stories--all in a trusted, authoritative voice.

In its analysis of the archaeologies and histories of the northern fringe of Europe, this book provides a focus on animistic–shamanistic cosmologies and the associated human–environment relations from the Neolithic to modern times. The North has fascinated Europeans throughout history, as an enchanted world of natural and supernatural marvels: a land of light and dark, of northern lights and the midnight sun, of witches and magic and of riches ranging from amber to oil. Northern lands conflate fantasies and realities. Rich archaeological, historical, ethnographic and folkloric materials combine in this book with cutting-edge theoretical perspectives drawn from relational ontologies and epistemologies, producing a fresh approach to the prehistory and history of a region that is pivotal to understanding Europe-wide processes, such as Neolithization and modernization. This book examines the mythical and actual northern worlds, with northern relational modes of perceiving and engaging with the world on the one hand and the 'place' of the North in European culture on the other. This book is an indispensable read for scholars of archaeology, anthropology, cultural studies and folklore in northern Europe, as well as researchers interested in how the North is intertwined with developments in the broader European and Eurasian world. It provides a deep-time understanding of globally topical issues and conflicting interests, as expressed by debates and controversies around Arctic resources, nature preservation and indigenous rights.

"Hubka argues that even "vernacular architecture" scholars tend to embrace a model for understanding home forms that relies on iconic architects and theories about how ideas proceed downward from aesthetic ideals to home construction, even though this model fails to adequately characterize the vast majority actual homes that people live in, particularly in recent times after the widespread growth of suburban America. This controversial book proposes new ways to categorize houses"--

The way a man thinks about his day-to-day living and the needs of his household reveals a great deal about his ambitions, his idea of himself, and his role in the community. And his house or castle offers many clues to his habits as well as those of the members of his household. This intriguing book explores the evolution of country house plans throughout Britain and Ireland, from medieval times to the eighteenth century. With photographs and detailed architectural plans of each house under discussion, the book presents a whole range of new insights into how these homes were designed and what their varied designs tell us about the lives of their residents. Starting with fortified medieval tower houses, the book traces patterns that developed and sometimes repeated in country house design over the centuries. It discusses who slept in the bedchambers, where food was prepared, how rooms were arranged for official and private activities, what towers signified, and more. Groundbreaking in its depth, the volume offers a rare tour of country houses for scholar and general reader alike.

Invitation to Vernacular Architecture: A Guide to the Study of Ordinary Buildings and Landscapes is a manual for exploring and interpreting vernacular architecture, the common buildings of particular regions and time periods. Thomas Carter and Elizabeth Collins Cromley provide a comprehensive introduction to the field. Rich with illustrations and written in a clear and jargon-free style, *Invitation to Vernacular Architecture* is an ideal text for courses in architecture, material culture studies, historic preservation, American studies, and history, and a useful guide for anyone interested in the built environment.

This second volume on Norfolk provides a comprehensive survey from prehistoric times to the present day. The 17th- and 18th-century treasures of King's Lynn are explored, as well as the market towns of Swaffham and Wymondham. Castle remains and medieval churches are also explored.

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