

New Light On Vernacular Architecture

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Norfolk 2 Yale University Press

LANE HOOPER

Cities of Light CRC Press

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.

Invitation to Vernacular Architecture Routledge

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.

Proceedings of SosTierra 2017 (Valencia, Spain, 14-16 September 2017) Routledge

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.

Hybrid Lighting Systems Yale University Press

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.

The Green Imperative: Ecology and Ethics in Design and Architecture Indiana University Press

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.

IGI Global

Reviewing the use of natural light by architects in the era of electricity, this book aims to show that natural light not only remains a potential source of order in architecture, but that natural lighting strategies impose a usefully creative discipline on design. Considering an approach to environmental context that sees light as a critical aspect of place, this book explores current attitudes to natural light by offering a series of in-depth studies of recent projects and the particular lighting issues they have addressed. It gives a more nuanced appraisal of these lighting strategies by setting them within their broader topographic, climatic and cultural contexts.

Northern Archaeology and Cosmology Routledge

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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.

[A Relational View \(Open Access\)](#) Yale University Press

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.

The Art of Architectural Daylighting Routledge

With increases in global temperatures, the risk of overheating is expected to rise around the world. This results in a much higher dependency upon energy-intensive cooling systems and air-conditioners to provide thermal comfort, but how sustainable is this in a world where problems with the production of electricity are predicted? Vernacular houses in hot and dry central Iran have been adapted to the climate through passive cooling techniques, and this book provides a valuable assessment of the thermal performance of such housing. Shedding new light on the ability of traditional housing forms to provide thermal comfort, Thermal Comfort in Hot Dry Climates identifies the main cooling systems and methods in traditional houses in central Iran, and examines how architectural elements such as central courtyards, distinct seasonal rooms, loggias, basements and wind-catchers can contribute to the provision of thermal comfort in vernacular houses. *Architecture and Asceticism in Medieval India* Francis Kéré and Iwan Baan: Momentum of Light Two stars of contemporary architecture explore the unique handling of light and heat in the architecture of Burkina Faso Across the African continent, but especially in the sub-Saharan regions, the light has a particularly stark quality, which becomes most apparent in relation to older buildings. Before electricity, architecture was required to make use of the sun as a light source within a building, while also protecting its inhabitants from the heat. This resulted in vernacular architecture that features very few or small openings, which consequently render the inside of a building near pitch black, while the outside is illuminated by sunshine that bears down mercilessly. On the initiative of the lighting technology company Zumtobel Group, photographer Iwan Baan (born 1975) and architect Francis Kéré (born 1965) set out to capture how the sun's natural light cycle shapes vernacular architecture in Burkina Faso with little to no artificial light sources. They traveled to three exemplary locations: communal compounds in Gando; the main mosque of Bobo Dioulasso; and the terraced houses in Dano. Baan's pictures are accompanied by architectural sketches by Francis Kéré, who himself grew up in this light environment and whose architecture is inspired by it. The stunning photographs are printed using a special technique, to give a sense of being immersed in the very light conditions documented here. Invitation to Vernacular Architecture A Guide to the Study of Ordinary Buildings and Landscapes

First survey of modernist and contemporary architecture and interiors in the richly layered architectural history of Santa Fe Santa Fe Modern reveals the high desert landscape as an ideal setting for bold, abstracted forms of modernist houses. Wide swaths of glass, deep-set portals, long porches, and courtyards allow vistas, color, and light to become integral parts of the very being of a house, emboldening a way to experience a personal connection to the desert landscape. The architects featured draw from the New Mexican architectural heritage—they use ancient materials such as adobe in combination with steel and glass, and they apply this language to the proportions and demands exacted by today's world. The houses they have designed are confident examples of architecture that is particular to the New Mexico landscape and climate, and yet simultaneously evoke the rigorous expressions of modernism. The vigor and the allure of modern art and architecture hearten each other in a way that is visible and exciting, and this book demonstrates the synergistic relationship between art, architecture, and the land.

Traditional Domestic Architecture of the Banbury Region Thames & Hudson

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.

Traditional Architecture of the Arabian Gulf Yale University Press

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

Building Thermal Envelope The Monacelli Press, LLC

Considering the synthesis of modernity and tradition in contemporary architecture, this book focuses on 37 buildings completed in the 1990s. It examines a broad range of examples of international architecture that reinterprets rather than revives traditional forms, materials and construction techniques. The projects covered in this study range from better-known works by renowned architects such as Michael Graves, Renzo Piano and David Chipperfield, to less familiar buildings in Hungary, Nepal, Latvia and elsewhere.

A Guide to the Study of Ordinary Buildings and Landscapes Cambridge University Press

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.

From Castle Donjons to Palladian Boxes Routledge

During the past decade there has been a tremendous growth in daylighting analysis methods, allowing designers to meet ever higher standards. But in relying too heavily on these methods, there is a risk of reducing daylighting design to a quantitative exercise, overlooking the qualitative, aesthetic, and experiential aspects of design. This book reveals how architects have bridged the poetic and practical potential of daylighting to create exquisitely illuminated spaces. In the book, 12 buildings are examined, using photographs, drawings, and plans. Each case study also includes technical analysis diagrams, specially created using specialist software. Featured architects include Renzo Piano, David Chipperfield, and Steven Holl. The Art of Architectural Daylighting will be invaluable for professionals and students alike.

Exploring Everyday Landscapes ABRAMS

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.

Southern Living Farmhouse Style Routledge

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.

Lessons from Vernacular Architecture WIT Press

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 daylight 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.

Vernacular Architecture Laurence King Publishing

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.