

Building Facades Faces Figures And Ornamental Details

The third volume in the Andean Archaeology series, this book focuses on the marked cultural differences between the northern and southern regions of the Central Andes, and considers the conditions under which these differences evolved, grew pronounced, and diminished. This book continues the dynamic, current problem-oriented approach to the field of Andean Archaeology that began with Andean Archaeology I and Andean Archaeology II. Combines up-to-date research, diverse theoretical platforms, and far-reaching interpretations to draw provocative and thoughtful conclusions.

A detailed guide to the technical aspects of refurbishing and upgrading buildings, this book provides solutions to a range of problems, challenges and issues and is essential reading for all students studying building refurbishment at all levels. Includes: existing floor and wall strengthening facade retention introduction of new floors timber decay problems fire-resistance prevention of moisture and damp upgrading thermal and acoustic performance. This new edition has been fully updated to include new technological information, and covers new areas such as stonework restoration and repair, upgrading of c1960 framed buildings, refurbishment logistics and case-studies.

Based on the Institute of Concrete Technology's advanced course, this new four volume series is a comprehensive educational and reference resource for the concrete materials technologist. An expert international team of authors from research, academia

and industry has been brought together to produce this unique reference source. Each volume deals with different aspects of the properties, composition, uses and testing of concrete. With worked examples, case studies and illustrations throughout, this series will be a key reference for the concrete specialist for years to come. Expert international authorship ensures the series is authoritative. Case studies and worked examples help the reader apply their knowledge to practice. Comprehensive coverage of the subject gives the reader all the necessary reference material. This book contains a collection of papers presented at a series of meetings organised by the Wessex Institute of Technology (WIT) dealing with sustainability, the environment and ecological issues. The complexity of the modern world presents new challenges to scientists and engineers that requires finding interdisciplinary solutions. Any problem solving carried out in the isolation of a particular field of expertise may give rise to a series of damaging effects which can create new and unintentional environmental and ecological problems. Specialisation, while required in our culture, needs to be kept under control by the understanding of the whole, which leads to the need of relying on interdisciplinary teams. Nowadays this can be easily achieved thanks to the massive advances in information technology which ensure continuous and immediate contact between all partners. This collaboration needs to be effective and to produce results that will lead to a better world. For this to happen, it is necessary that different groups of scientists and engineers acquire the necessary skills to be able to talk to each other. Furthermore, they need to understand the social and economic aspects of a given problem, in addition to the

scientific and engineering issues involved. The Wessex Institute of Technology (WIT) has a long and very successful record in organising interdisciplinary conferences. The papers in this book are a reflection of the proceedings of some of those meetings.

Cognitive Architecture

Steel Design 1: Structural Basics

Tall Buildings

Advanced Concrete Technology Set

Geotechnical Aspects of Underground Construction in Soft Ground

Faces on Places

High-Performance Double Skin Façade Buildings

The Sustainable Tall Building: A Design Primer is an accessible and highly illustrated guide, which primes those involved in the design and research of tall buildings to dramatically improve their performance. Using a mixture of original research and analysis, best-practice design thinking and a detailed look at exemplar case studies, author Philip Oldfield takes the reader through the architectural ideas, engineering strategies and cutting-edge technologies that are available to the tall building design team. The book takes a global perspective, examining high-rise design in different climates, cultures and contexts. It considers common functions such as high-rise housing and offices, to more radical designs such as vertical farming and vertical cemeteries. Innovation is provided by examining not only the environmental performance of tall buildings but also their social sustainability, guiding the reader through strategies to create successful communities at height. The book starts by critically appraising the sustainability of tall building architecture past and present, before demonstrating innovative ways for future tall buildings to be designed. These include themes such as climatically responsive architecture, siting a tall building in the city, zero-carbon towers, skygardens and community spaces at height, sustainable structural systems and

novel fa ç ades. In doing so, the book provides essential reading for architects, engineers, consultants, developers, researchers and students engaged with sustainable design and high-rise architecture. These collected essays on the cult of Cybele and Attis represent an international tribute to the late Professor M.J. Vermaseren. Articles included treat aspects of this cult form its origin through its last manifestations in the later Roman Empire.

Sustainable environmental control through building design Heating, Cooling, and Lighting is the industry standardtext on environmental control systems with the emphasis onsustainable design. By detailing the many factors that contributeto the comfort in a building, this book helps architects minimizemechanical systems and energy usage over the life of the buildingby siting, building design, and landscaping to maximize naturalheating, cooling, and lighting. This new fourth edition includesnew information on integrated design strategies and designing forthe Tropics. Resources include helpful case studies, checklists,diagrams, and a companion website featuring additional cases, animage bank, and instructor materials. Designing buildings that require less energy to heat, cool, andlight means allowing the natural energy of the sun and wind toreduce the burden on the mechanical and electrical systems. Basicdesign decisions regarding size, orientation, and form have a greatimpact on the sustainability, cost, and comfort of a building.Heating, Cooling, and Lighting provides detailed guidancefor each phase of a design project. Readers will: Understand the concept of sustainability as applied to energysources Review the basic principles of thermal comfort, and thecritical role of climate Learn the fundamentals of solar responsive design, includingactive and passive solar systems as well as photovoltaics Discover how siting, architectural design, and landscaping canreduce the requirements for mechanical and electrical systems In sustainable design, mechanical, and electrical systems shouldbe used to only accomplish what the architect could not by thedesign of the building itself. With this in mind, designers requirea comprehensive understanding of

both the properties of energy and the human factors involved in thermal comfort. Heating, Cooling, and Lighting is the complete, industry-leading resource for designers interested in sustainable environmental control.

The importance of an integrated approach in urban design is becoming increasingly apparent. This book explains how to overcome related challenges in environmental design of urban buildings and offers guidance on the use of new materials and techniques and the integration of new philosophies. Supported by the EC's SAVE 13 programme, Environmental Design of Urban Buildings includes contributions from experts at the National and Kapodistrian University of Athens, Greece, the Hellenic Open University, Greece, Cambridge Architectural Research, UK and REHVA/University of Ljubljana, Slovenia. A free CD-ROM containing multi-media software tools and climatic data accompanies the book.

CONTENT

- Environmental Urban Design *
- Architectural Design, Passive Environmental and Building Engineering Systems *
- Environmental Issues of Building Design *
- Sustainable Design, Construction and Operation *
- Intelligent Controls and Advanced Building Management Systems *
- Urban Building Climatology *
- Heat and Mass Transfer Phenomena in Urban Buildings *
- Applied Lighting Technologies for Urban Buildings *
- Case Studies *
- Guidelines to Integrate Energy Conservation *
- Indoor Air Quality *
- Applied Energy and Resources Management in the Urban Environment *
- Economic Methodologies *
- Integrated Building Design *
- Bibliography, Index

Published with SAVE

Elements of Architecture
An Integrated Approach
Sustainable Facades
Radio Wave Propagation and Channel Modeling for Earth-Space Systems
The Sustainable World
Multi-purpose High-rise Towers and Tall Buildings

Climatic-Based Exploration

This textbook covers the design and analysis of steel structures for buildings according to EN 1990 (Eurocode 0), EN 1991 (Eurocode 1) and EN 1993 (Eurocode 3). Chapter 1 describes the theory and background of EN 1990 in terms of structural safety, reliability and the design values of resistances and actions. Chapter 2 deals with actions and deformations described in EN 1991. The permanent loads and variable actions and in particular the imposed loads and the snow loads and wind actions are discussed. This chapter also contains three worked examples to determine the actions on a floor in a residential house, the actions on a free-standing platform canopy at a station and the wind actions on the façades of an office building. Chapter 3 is about modelling, discussing the schematisation of the structural system, the joints and the material properties as well as the cross-section properties. Chapter 4 deals with the classification of frames and the various analysis methods for unbraced and braced frames. Chapter 5 then goes deeper into these analysis methods to determine the force distribution and deformations. Chapter 6 deals with the assessment by code-checking

of (parts of) the steel structure with EN 1993-1-1 and EN 1993-1-8. At a basic level, the assessment of the resistance of cross-sections, the stability of members under axial forces and the resistance of bolted and welded connections are explained. Chapter 7 discusses in an extensive way the assessment by code-checking of the resistance of cross-sections, both for single and combined internal forces. The principles of the assessment of the resistance of cross-sections according to elastic and plastic theory are also discussed.

This text provides a broad view of the research performed in building physics at the start of the 21st century. The focus of this conference was on combined heat and mass flow in building components, performance-based design of building enclosures, energy use in buildings, sustainable construction, users' comfort and health, and the urban micro-climate. The main body of the first volume is taken up by five major keynote papers written by a team of international experts, that survey the enormous advances that have taken place in geotechnical engineering since Skempton's pioneering early work. The second volume contains more than 80 articles that report recent research and

advances in practice from around the world. The papers focus on the broad range of geotechnical issues, that most interested Professor Skempton, and are grouped under the headings of: - Soil behaviour, characterisation and modelling - Foundations - Slopes and embankments - Ground performance - The influence of geology on civil engineering.

Star of stage and screen, cultural ambassador, civil rights and political activist—Josephine Baker was defined by the various public roles that made her 50-year career an exemplar of postmodern identity. Her legacy continues to influence modern culture more than 40 years after her death. This new collection of essays interprets Baker's life in the context of modernism, feminism, race, gender and sexuality. The contributors focus on various aspects of her life and career, including her performances and public reception, civil rights efforts, the architecture of her unbuilt house, and her modern-day "afterlife."

Selected Writings on the Entertainer and Activist

European Directory of Sustainable and Energy Efficient Building 1999

Bioclimatic Double-Skin Façades

A Handbook for Architects and Engineers

From the Predynastic Period to the End of
the Middle Kingdom

North and South

Components, Services, Materials

The structural challenges of building 800 metres into the sky are substantial, and include several factors which do not affect low-rise construction. This book focusses on these areas specifically to provide the architectural and structural knowledge which must be taken into account in order to design tall buildings successfully. In presenting examples of steel, reinforced concrete, and composite structural systems for such buildings, it is shown that wind load has a very important effect on the architectural and structural design. The aerodynamic approach to tall buildings is considered in this context, as is earthquake induced lateral loading. Case studies of some of the world 's most iconic buildings, illustrated with full colour photographs, structural plans and axonometrics, will bring to life the design challenges which they presented to architects and structural engineers. The Empire State Building, the Burj Khalifa, Taipei 101 and the HSB Turning Torso are just a few examples of the buildings whose real-life specifications are used to explain and illustrate core design principles, and their subsequent effect on the finished structure.

Visually enriched with over 250 photographs and drawings,

Bioclimatic Double-Skin Fa ç ades is an essential reference guide for understanding the types and functions of double-skin fa ç ades.

Author Mary Ben Bonham examines the history and continuing potential of double-skin architecture, informing on the variety of approaches possible and advising a rigorous integrated design process leading to application. Featuring a wide selection of architectural examples, the book will be of interest to professionals and students within the fields of architecture, engineering, and construction.

Characterized by a buffer-like air space between two glazed building skins, double-skin windows and fa ç ades aim to improve building comfort and energy performance. Double skins introduce complexity

and initial costs, yet significant buildings in locations around the globe continue to select this approach. In addition to exploring motivations, benefits, and cautions for designing with double skins, the book provides a primer on fundamental fa ç ade design concepts and strategies for control of thermal, luminous, and acoustic environments. Chapters also address alternative types of high-performance fa ç ades and implications for each phase of fa ç ade design and construction. Bioclimatic Double-Skin Fa ç ades promotes bioclimatic design that is inspired by nature, measured in performance, and uniquely adapted to climate and place. In-depth case studies illustrate how double-skin fa ç ades have been adapted to a range of climates and cultural settings: Marseille Library and Grenoble Courthouse in France, Cambridge Public Library in Massachusetts, Manitoba Hydro Place in Canada, and the Pearl River Tower in China.

Well-grounded in the history and theory of Anglo-American urbanism, this illustrated textbook sets out objectives, policies and design principles for planning new communities and redeveloping existing urban neighborhoods. Drawing from their extensive experience, the authors explain how better plans (and consequently better places) can be created by applying the three-dimensional principles of urban design and physical place-making to planning problems. Design First uses case studies from the authors ' own professional projects to demonstrate how theory can be turned into effective practice, using concepts of traditional urban form to resolve contemporary planning and design issues in American communities. The book is aimed at architects, planners, developers, planning commissioners, elected officials and citizens -- and, importantly, students of architecture and planning -- with the objective of reintegrating three-dimensional design firmly back into planning practice.

This book provides a comprehensive theoretical platform for the use and construction of double skin fa ç ade projects. The DSF concept has been used mostly in European buildings; however, its success in other climates should be addressed. Increasing numbers of buildings

are featuring double skin fa ç ade technology in the US; however, still relatively few have been studied for their performance in operation. This book gives architects a practical guide to analyze and evaluate the actual performance of double skin fa ç ade buildings in different climatic contexts. It is important for high-performance buildings to have tools to evaluate a design ' s predicted performance to achieve specific sustainable goals. To determine that the application of DSF in different climates will provide better thermal comfort, building simulation tools analyze various thermal comfort parameters through studies of the fa ç ade and compare them with the actual building ' s performance data. The book takes the reader on an on-site tour of eight DSF buildings around the US. Interviews with the buildings ' architects and engineers, owners, and users offer additional perspectives and insights into the construction and performance of these developments in building design. This will provide architects with a comprehensive understanding of the challenges and opportunities in integrating double skin fa ç ades into their projects.

Daylight Design of Buildings

Building Facades

Emerging Technologies for the Energy Systems of the Future

The Construction of New Buildings Behind Historic Facades

Advances in Geotechnical Engineering

Faces, Figures, and Ornamental Detail

A Guide to Planning for Community Character

COST is an intergovernmental framework for European Cooperation in Science and Technology, allowing the coordination of nationally-funded research on a European level. Part of COST was COST Action C26Urban Habitat Constructions Under Catastrophic Events which started in 2006 and held its final conference in Naples, Italy, on 16-18 September 201

Combined with ASTM Standard Practice for Periodic

Inspection of Building Facades for Unsafe Conditions (E 2270), this new publication provides a rational guide for building owners and governing authorities to help ensure the safety of our aging building infrastructure. Twenty-four peer-reviewed papers, written by experts who bring first hand knowledge and experience to this work, cover faade ordinances; historic buildings; data collection techniques; and repair techniques."

Derived from an American Society for Testing and Materials symposium of the same title held in March 1996 in Orlando, Florida, 23 papers canvass the art and science of design (including using the rainscreen RAIN computer program), repair, and testing and quality control issues (e.g. using modified A

Geotechnical Aspects of Underground Construction in Soft Ground comprises a collection of 112 papers, four general reports on the symposium themes, the Fujita Lecture, three Special Lectures and the Bright Spark Lecture presented at the Tenth International Symposium on Geotechnical Aspects of Underground Construction in Soft Ground, held in Cambridge, United Kingdom, 27-29 June 2022. The symposium is the latest in a series which began in New Delhi in 1994, and was followed by symposia in London (1996), Tokyo (1999), Toulouse (2002), Amsterdam (2005), Shanghai (2008), Rome (2011), Seoul (2014) and Sao Paulo (2017). This was organised by the Geotechnical Research Group at the University of Cambridge, under the auspices of the Technical Committee TC204 of the International Society

for Soil Mechanics and Geotechnical Engineering (ISSMGE). Geotechnical Aspects of Underground Construction in Soft Ground includes contributions from more than 25 countries on research, design and construction of underground works in soft ground. The contributions cover: Field case studies Sensing technologies and monitoring for underground construction in soft ground Physical and numerical modelling of tunnels and deep excavations in soft ground Seismic response of underground infrastructure in soft ground Design and application of ground improvement for underground construction Ground movements, interaction with existing structures and mitigation measures The general reports give an overview of the papers submitted to the symposium, covered in four technical sessions. The proceedings include the written version of the five invited lectures covering topics ranging from developments in geotechnical aspects of underground construction, tunnelling and groundwater interaction (short and long-term effects), the influence of earth pressure balance shield tunnelling on pre-convergence and segmental liner loading (field observations, modelling and implications on design). Similar to previous editions, Geotechnical Aspects of Underground Construction in Soft Ground represents a valuable source of reference on the current practice of analysis, design, and construction of tunnels and deep excavations in soft ground. The book is particularly aimed at academics and professionals interested in geotechnical and underground engineering.

Building Facades: A Guide To Common Defects In Tropical Climates

Design First

Water Leakage Through Building Facades

A Design Primer

A Grotesque Tour of Toronto

Refurbishment and Upgrading of Buildings

The Sustainable Tall Building

This directory has become a valued source of information for energy-efficient building designers and specifiers throughout Europe and the details and scope of product, service and supplier listings have again been extensively updated for this edition.

Landscapes generate meaning and impact on three major areas of scholarly interest: language and visual discourse, spatial practices and global capitalism.

A Guide to Planning for Community Character adds a wealth of practical applications to the framework that Lane Kendig describes in his previous book, *Community Character*. The purpose of the earlier book is to give citizens and planners a systematic way of thinking about the attributes of their communities and a common language to use for planning and zoning in a consistent and reliable way. This follow-up volume addresses actual design in the three general classes of communities in Kendig's framework-urban, suburban, and rural. The author's practical approaches enable designers to create communities "with the character that citizens actually want." Kendig also provides a guide for incorporating

community character into a comprehensive plan. In addition, this book shows how to use community character in planning and zoning as a way of making communities more sustainable. All examples in the volume are designed to meet real-world challenges. They show how to design a community so that the desired character is actually achieved in the built result. The book also provides useful tools for analyzing or measuring relevant design features. Together, the books provide a comprehensive treatment of community character, offering both a tested theory of planning based on visual and physical character and practical ways to plan and measure communities. The strength of this comprehensive approach is that it is ultimately less rigid and more adaptable than many recent "flexible" zoning codes.

Energy systems are transiting from conventional energy systems to modernized and smart energy systems. This Special Issue covers new advances in the emerging technologies for modern energy systems from both technical and management perspectives. In modern energy systems, an integrated and systematic view of different energy systems, from local energy systems and islands to national and multi-national energy hubs, is important. From the customer perspective, a modern energy system is required to have more intelligent appliances and smart customer services. In addition, customers require the provision of more useful information and control options. Another challenge for the energy systems of the future is the increased penetration of renewable energy sources.

Hence, new operation and planning tools are required for hosting renewable energy sources as much as possible.

Urban Habitat Constructions Under Catastrophic Events

Building Facade Maintenance, Repair, and Inspection

The Josephine Baker Critical Reader

Proceedings of the Second International Conference on Building Physics, Leuven, Belgium, 14-18 September 2003

Residential Solar Design Review

Semiotic Landscapes

Structural Systems and Aerodynamic Form

The accurate design of earth–space systems requires a comprehensive understanding of the various propagation media and phenomena that differ depending on frequencies and types of applications. The choice of the relevant channel models is crucial in the design process and constitutes a key step in performance evaluation and testing of earth–space systems. The subject of this book is built around the two characteristic cases of satellite systems: fixed satellites and mobile satellite systems. Radio Wave Propagation and Channel Modeling for Earth–Space Systems discusses the state of the art in channel modeling and characterization of next-generation fixed multiple-antennas and mobile satellite systems, as well as propagation phenomena and fade mitigation techniques. The frequencies of interest range from 100 MHz to 100 GHz (from VHF to W band), whereas the use of optical free-space communications is envisaged. Examining recent research advances in space-time tropospheric propagation fields and optical satellite communication channel models, the book covers land mobile multiple antennas

satellite- issues and relative propagation campaigns and stratospheric channel models for various applications and frequencies. It also presents research and well-accepted satellite community results for land mobile satellite and tropospheric attenuation time-series single link and field synthesizers. The book examines aeronautical communications channel characteristics and modeling, relative radio wave propagation campaigns, and stratospheric channel model for various applications and frequencies. Propagation effects on satellite navigation systems and the corresponding models are also covered.

Practical information on designing sustainable,energy-efficient building facades As energy and other natural resources are being depleted, it hasbecome clear that technologies and strategies that allow us to maintain our satisfaction with interior environments whileconsuming less of these resources are major objectives ofcontemporary facade design. Sustainable Facades focuses onthe strategies and approaches for designing sustainable,high-performance building facades, and provides technical guidancefor architects and designers. This timely and useful guide presents strategies and technicalguidelines for designing environmentally sensitive,energy-efficient facades based on scientific principles. Itprovides climate-specific approaches for minimizing energyconsumption, analyzes the thermal behavior of different facadesystems and materials, and illustrates with case studies how theseapproaches have been implemented on architectural projects. It alsodiscusses emerging facade technologies, materials, and systems. Topics covered in this unique and indispensable guideinclude:
Climate-based design approaches for high-performancefacades
Characteristics of sustainable facades: energy

efficiency, thermal behavior, and moisture resistance
Designing for thermal comfort, lighting and glare control,
and acoustic quality Emerging technologies in facade design,
including smart materials, double-skin facades, and facades as
energy generators Case studies on building orientation and
facade design, tectonic sun exposure control, external shading
elements, and more

Much attention has been given to the increasing number of
defects on building facades in relation to the construction
industry's growing use of large panel curtain walls. This book
highlights the various types of defects commonly found on
building facades under tropical conditions. The facade
elements discussed include natural stone, glass, metal sheeting,
plaster and tiling. The causes of defects, such as poor
workmanship, inadequate design and maintenance,
inappropriate use of materials and the action of environmental
agents, are evaluated. The typical problems highlighted
include cracking, water penetration, misalignment, sealant
defects, discoloration, staining, efflorescence, corrosion and
tile delamination. The causes of these defects and their
implications for design, construction and maintenance are
described. Illustrated with many photographs, this book will be
a useful guide both to practising professionals and to
undergraduate and graduate students.

Unique in the literature and sure to become a standard
reference, here is the first guide to the identification and
restoration of building facades. Featuring 2,000 b/w halftone
illustrations, it chronicles in photo-essay style the diversity of
facades from around the world. Images are shown within their
historical and social context, and are easily accessed through
cross-references to chronology, geography, location, building

type, type of detail, and materials used. Select case studies (Ellis Island Museum and others) emphasize the practical aspects of preservation.

The Archaeology of Urbanism in Ancient Egypt

Designing for How We Respond to the Built Environment

Environmental Design of Urban Buildings

Structural Glass Facades and Enclosures

The House of the Bacabs, Copán, Honduras

Building Facade Maintenance

The Skempton Conference : Proceedings of a Three Day

Conference on Advances in Geotechnical Engineering,

Organised by the Institution of Civil Engineers and Held at the

Royal Geographical Society, London, UK, on 29-31 March

2004

**A COMPREHENSIVE GUIDE TO STRUCTURAL
GLASS FACADES FOR ARCHITECTS, ENGINEERS,
AND BUILDERS** Once an experimental building form,

structural glass facades have matured into a fully robust
technology. Structural Glass Facades and Enclosures

documents, defines, and categorizes the current state of

the art in long-span glass facade design and construction,
with a focus on structural systems, glass cladding options,

and implementation strategies for innovative design. A
comparative analysis of these various systems is included,

along with designs and design practices for enhancing
transparency; engineering issues; material, process, and

fabrication considerations; installation means and
methods; and project delivery strategies for implementing

innovative building technology in today's construction
marketplace. The reader will find information here that is

not available together in any single resource, including: Structural system types and design options, with integrated glass system options and their application on each of the structural types An in-depth discussion of design, fabrication, and installation issues relative to each system type, accompanied by illustrations and photographs A discussion of the challenges of implementing innovative design and technology in the construction industry, and operational practices to improve the probability of success A series of in-depth case studies documenting representative samples of stunning built works that employ the technology and design principles identified in the book Structural Glass Facades and Enclosures provides expert content for putting cutting-edge technology into real-life practice, creating new potential for fresh applications embracing both aesthetic and performance solutions, and for the adoption of the technology by architects, builders, and facade practitioners.

This book presents 18 in-depth case studies of net zero energy buildings—low-energy building that generate as much energy as they consume over the course of a year—for a range of project types, sizes, and U.S. climate zones. Each case study describes the owner’s goals, the design and construction process, design strategies, measurement and verification activities and results, and project costs. With a year or more of post-occupancy performance data and other project information, as well as lessons learned by project owners and developers,

architects, engineers, energy modelers, constructors, and operators, each case study answers the questions: What were the challenges to achieving net zero energy performance, and how were these challenges overcome? How would stakeholders address these issues on future projects? Are the occupants satisfied with the building? Do they find it comfortable? Is it easy to operate? How can other projects benefit from the lessons learned on each project? What would the owners, designers, and constructors do differently knowing what they know now? A final chapter aggregates processes to engage in and pitfalls to avoid when approaching the challenges peculiar to designing, constructing, and owning a net zero energy building. By providing a wealth of comparable information, this book which will flatten the learning curve for designing, constructing, and owning this emerging building type and improve the effectiveness of architectural design and construction.

Claude Baudez, William L. Fash, Jr., Berthold Riese, William T. Sanders, and David Webster contribute to this monograph, and using an integrated art historical and anthropological approach, consider the House of the Bacabs' context as an elite Maya structure, its excavation and restoration, and its iconographic and epigraphic reconstruction and interpretation, to establish models for understanding Classic Maya social and political life. Facade-retention schemes are increasingly being used as a means of providing modern accommodation for commercial and industrial buildings in conservation areas

and city centres. This book is the first authoritative guide to this highly complex technique and deals with the key issues associated with building behind historic facades. It explains the

Cybelle, Attis and related cults

Case Studies and Lessons Learned

Proceedings of the Tenth International Symposium on Geotechnical Aspects of Underground Construction in Soft Ground, IS-Cambridge 2022, Cambridge, United Kingdom, 27-29 June 2022

Heating, Cooling, Lighting

From Form to Place

essays in memory of M. J. Vermaseren

Proceedings of the COST C26 Action Final Conference

Interest continues to develop in the design and construction of high-rise towers and tall buildings, structures with heights ranging from 75m to 500m and even more. This volume presents the papers from the third in a series of international conferences on the subject, organised by the International Federation of High-rise Structures. The papers have been drawn together under the grand theme of the Conquest of Vertical Space in the 21st Century. The conference has been organised by the UK's Concrete Society, and sponsored by the IFHS and the Council on Tall Buildings and Urban Habitat and the Fdration Internationale de la Prcontrainte (FIP). This prestigious collaboration has brought forth a body of high quality practical and research papers.

Winner of the Heritage Toronto Award of Merit Faces on

Places takes us into the fascinating world of mythical and historical persons and icons that have been watching over Toronto and its inhabitants for centuries. If you look up with author Terry Murray, you'll see beyond glass and steel and stone to spy Gargoyles, Griffins, Dragons, Angels, Portraits of Important Personages (and Caricatures of those same folk). Murray has photographed over sixty Toronto buildings, interviewed architects, stone carvers, and building occupants, and scoured archives for original architectural plans, to discover who these creatures are, and why they exist. Faces on Places is organized by type of sculpture, and contains street addresses and maps for suggested walking tours. It is an elegant and reliable guide to the city's most silent and intriguing citizens.

This book presents the latest archaeological evidence that makes a case for Egypt as an early urban society. It traces the emergence of urban features during the Predynastic Period up to the disintegration of the powerful Middle Kingdom state (ca. 3500-1650 BC).

In this expanded second edition of Cognitive Architecture, the authors review new findings in psychology and neuroscience to help architects and planners better understand their clients as the sophisticated mammals they are, arriving in the world with built-in responses to the environment. Discussing key biometric tools to help designers 'see' subliminal human behaviors and suggesting new ways to analyze designs before they are built, this new edition brings readers up-to-date on

scientific tools relevant for assessing architecture and the human experience of the built environment. The new edition includes: Over 100 full color photographs and drawings to illustrate key concepts. A new chapter on using biometrics to understand the human experience of place. A conclusion describing how the book's propositions reframe the history of modern architecture. A compelling read for students, professionals, and the general public, Cognitive Architecture takes an inside-out approach to design, arguing that the more we understand human behavior, the better we can design and plan for it.

Net Zero Energy Buildings

A Manual on Community Architectural Controls and Solar Energy Use

Research in Building Physics

Language, Image, Space

Design Methods for High-Performance Building Envelopes

Andean Archaeology III

Sustainable Design Methods for Architects

The need for solar design review--What solar energy systems look like--Design strategies for solar buildings--Making design review more responsive to solar energy use.

This internationally significant book analyzes architectural elements, drawing general principles from the prevailing pluralism of architectural approaches. Von Meiss expertly bridges the gap between history and contemporary work by pinpointing the constant factors

that exist in all architecture. A comprehensive analysis of the whole architectural phenomenon, this valuable book will prove especially useful to modern practitioners who need to make constant reference to buildings of the past. Staying away from the ineffectual arguments on styles that dominate today's architectural literature, this is the first recent book to attempt such a synthesis of architectural history and contemporary work. As such, it is unique.

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.