

Design Criteria For Mosques And Islamic Centers

Publisher Description

This book presents the proceedings of the 13th International Conference on Application of Fuzzy Systems and Soft Computing (ICAFS 2018), held in Warsaw, Poland on August 27–28, 2018. It includes contributions from diverse areas of soft computing such as uncertain computation, Z-information processing, neuro-fuzzy approaches, evolutionary computing and others. The topics of the papers include theory of uncertainty computation; theory and application of soft computing; decision theory with imperfect information; neuro-fuzzy technology; image processing with soft computing; intelligent control; machine learning; fuzzy logic in data analytics and data mining; evolutionary computing; chaotic systems; soft computing in business, economics and finance; fuzzy logic and soft computing in the earth sciences; fuzzy logic and soft computing in engineering; soft computing in medicine, biomedical engineering and the pharmaceutical sciences; and probabilistic and statistical reasoning in the social and educational sciences. The book covers new ideas from theoretical and practical perspectives in economics, business, industry, education, medicine, the earth sciences and other fields. In addition to promoting the development and

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application of soft computing methods in various real-life fields, it offers a useful guide for academics, practitioners, and graduates in fuzzy logic and soft computing fields.

This book deals with indoor environmental quality (IEQ), which encompasses diverse factors that affect human life inside a building. These factors include indoor air quality (IAQ), lighting, acoustics, drinking water, ergonomics, electromagnetic radiation, and so on. Enhanced environmental quality can improve the quality of life and productivity of the occupants, increase the resale value of the building, and minimize the penalties on building owners. The book covers an overview of IEQ and its research progress, IAQ and its monitoring, the best indoor illumination scenes, IEQ in healthcare buildings, and acoustic comfort in residential buildings and places of worship. This book is expected to benefit undergraduate and postgraduate students, researchers, teachers, practitioners, policy makers, and every individual who has a concern for healthy life.

This book examines both specific issues and more general problems stemming from the interaction of religion, travel and tourism with hospitality and culture, as well as the implications for site management and interpretation. It explores the oldest form of religious tourism – pilgrimage – from its original form to the multiple spiritual and secular variations practised today, along with issues and conflicts

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arising from the collision of religion, politics and tourism. The volume considers the impact of tourism and tourist numbers on religious features, communities and phenomena, including the deliberate involvement of some religious agencies in tourism. It also addresses the ways in which religious beliefs and philosophies affect the behaviour and perceptions of tourists as well as hosts. The book illustrates how different faiths interact with tourism and the issues of catering for religious tourists of the major faiths, as well as managing the interaction between increasing numbers of secular tourists and pilgrims at religious sites.

The design principles necessary to create functional and dynamic contemporary mosques can be hard to grasp for those unfamiliar with the Islamic faith. "Design Criteria for Mosques and Islamic Centers" provides an easy to use and practical set of guidelines for mosque design, illustrated with 300 line drawings. Case studies of urban mosques in New York, Washington, Boston, and London and Birmingham amongst others demonstrate how mosques and Islamic centers have evolved to integrate into the urban scenario. The book shows how mosques fulfill multiple faith-based and social roles through their design; it provides a wide ranging, basic understanding of Islamic liturgical conventions and secular functions to enable the architect and designer to work with confidence. This book is the first dedicated design guide for Mosques and Islamic centers available. It

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features case studies from the USA, UK and Europe. It explains fundamental principles to make it easy to create viable design solutions for these exacting buildings that fulfill a range of social and religious roles. -- Publisher description. A unique appraisal of the architectural developments of the contemporary mosque.

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The papers in this special issue and the one preceding it have their roots in a panel titled “Ethnography, Misrepresentations of Islam, and Advocacy,” which Timothy Daniels and Maryem Zaman organized for the 116th Annual Meeting of the American Anthropological Association.

This book is a comprehensive introduction to the past and present of American Muslim communities. Chapters discuss demographics, political participation, media, cultural and literary production, conversion, religious practice, education, mosque building, interfaith dialogue, and marriage and family, as well as American Muslim thought and Sufi communities. No comparable volume exists to date.

This book is comprised of articles and papers that have come about after years of academic and applied research endeavors of the practitioners and academicians in the field of urban and regional development planning. Most of these articles have already been presented and deliberated in national and international conferences held in different parts of the world, namely: Indianapolis, Newcastle upon Tyne, Rome, Istanbul, Cairo, Alexandria, Vienna, Stockholm, Jeddah, Riyadh, Jubail, Islamabad, Penang, and Bandung. The concepts and case studies described in this book bring home the fact that the world is undergoing a gyrational transition. Not only are developed and developing countries getting influenced by each other and transforming due to a process of circular causation, but each of the two sets of countries

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are also undergoing a simultaneous internal transformation due to the differential infusion of technology and indigenous entrepreneurship. As a consequence, highly diversified urban systems are getting integrated interactively, leading to the formation of a global village and achievement of a unity in diversity!

Modernity and religion are not mutually exclusive. Setting German and Irish church, synagogue and mosque architecture side by side over the last century highlights the place for the celebration of the new within faiths whose appeal lies in part in the stability of belief they offer across time. Inspired by radically modern German churches of the 1920s and 1930s, this volume offers new insights into designers of all three types of sacred buildings, working at home and abroad. It offers new scholarship on the unknown phenomenon of mid-century ecclesiastical architecture in sub-Saharan Africa by Irish designers; a critical appraisal of the overlooked Frank Lloyd Wright-trained Andrew Devane and an analysis of accommodating difficult pasts and challenging futures with contemporary synagogue and mosque architecture in Germany. With a focus on influence and processes, alongside conservationists and historians, it features critical insights by the designers of some of the most celebrated contemporary sacred buildings, including Niall McLaughlin who writes on his multiple award-winning Bishop Edward King Chapel and Amandus Sattler, architect of the innovative Herz-Jesu-Kirche, Munich.

"Green Deen" ("deen" means "way" in Arabic) is a call to devotion, prayer, and service. The author reveals how Islam's call to reflection specifically includes reflection on our relationship to the natural world and explains what Islam teaches about protecting the planet.

Design Criteria for Mosques and Islamic Centres Art, Architecture and Worship Routledge

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AJISS, established in 1984, is a quarterly, double blind peer-reviewed and interdisciplinary journal, published by the International Institute of Islamic Thought (IIIT), and distributed worldwide. The journal showcases a wide variety of scholarly research on all facets of Islam and the Muslim world including subjects such as anthropology, history, philosophy and metaphysics, politics, psychology, religious law, and traditional Islam. Issue 34.3 includes several articles, book reviews, as well as symposium reports from domestic and international conferences. Past issues of AJISS are available to the subscribers of Periodical Archives on ProQuest.com and EBSCO.

Since the early 1800s, African Americans have designed signature buildings; however, in the mainstream marketplace, African American architects, especially women, have remained invisible in architecture history, theory and practice. Traditional architecture design studio education has been based on the historical models of the Beaux-Arts and the Bauhaus, with a split between design and production teaching. As the result of current teaching models, African American architects tend to work on the production or technical side of building rather than in the design studio. It is essential to understand the centrality of culture, gender, space and knowledge in design studios. *Space Unveiled* is a significant contribution to the study of architecture education, and the extent to which it has been sensitive to an inclusive cultural perspective. The research shows that this has not been the case in American education because part of the culture remains hidden.

Urban planners and conservationists in historic cities around the world grapple with the competing interests of conservation, urban design, and economic and social development. This book offers an interdisciplinary approach to the key relationships between heritage

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conservation, city space design, and tourism development in historic cities, linking theory and practice in a unique way. The book offers an investigation of three Middle Eastern historic cities, Aleppo, Acre and Salt, all of which face significant challenges of heritage conservation, adaptation to contemporary needs, and tourism development. It presents practical scenarios for the conservation and design of historic urban spaces and the development of sustainable tourism, from the perspective of planners, local communities and international tourists. The author offers a comparative approach which transcends political strife and provides valuable lessons for the other cities inscribed on UNESCO's World Heritage List, especially those in developing countries.

The Middle Eastern bazaar is much more than a context for commerce: the studies in this book illustrate that markets, regardless of their location, scale, and permanency, have also played important cultural roles within their societies, reflecting historical evolution, industrial development, social and political conditions, urban morphology, and architectural functions. This interdisciplinary volume explores the dynamics of the bazaar with a number of case studies from Cairo, Damascus, Aleppo, Nablus, Bursa, Istanbul, Sana'a, Kabul, Tehran, and Yazd. Although they share some contextual and functional characteristics, each bazaar has its own unique and fascinating history, traditions, cultural practices, and structure. One of the most intriguing aspects revealed in this volume is the thread of continuity from past to present exhibited by the bazaar as a forum where a society meets and intermingles in the practice of goods exchange-a social and cultural ritual that is as old as human history.

This book is a collection of contributions to the Special Issue "Historical Acoustics: Relationships between People and Sound over Time". The research presented here aims to

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explore the origins of acoustics and examine the relationships that have evolved over the centuries between people and auditory phenomena. Sounds have indeed accompanied human civilizations since the beginning of time, helping them to make sense of the world and to shape their cultures. Several key topics emerged, such as the acoustics of historical worship buildings, the acoustics of sites of archaeological interest, the acoustics of historical opera houses, and the topic of soundscapes as cultural intangible heritage. The book, as a whole, reflects the vibrant research activity around the “acoustics of the past”, which will hopefully be serve as a foundation for inspiring the future path of this discipline.

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Islamic architecture has enriched design with a wide variety of structural shapes, including among others, unique arches, a wide variety of vaults and domes which allow for new forms to be developed. The influence that these structural forms have in non-Islamic countries was one of the themes of the 3rd International Conference on Islamic Heritage Architecture and Art, at which the included papers were presented. There is much to learn from past experiences to arrive at solutions which are environmentally sound and sustainable in the long term. As conventional energy resources become scarce, the Islamic design heritage can offer invaluable lessons on how to deal in an efficient manner with cases of hard and extreme environments. Traditional architecture and urban environments in most Islamic countries are now being eroded by overemphasis on a global type of architecture and city planning. As a consequence, many regions are losing their identity. It will become increasingly important for new developments to take light of what the classical Islamic urban designs and architectures have to offer modern society. An equally important aspect covered is the analysis of the materials employed and the types of structural elements, particularly those unique to Islamic architecture. Preserving this heritage requires the development of appropriate conservation techniques in response to the different materials used and the ways structural forms work, including under extreme conditions, such as earthquakes. These papers deal with the design of many types of buildings in Islamic countries, including not only the better known public buildings like mosques, mausolea, citadels and forts, but also houses and gardens, engineering works such as bridges and dams, irrigation systems and many others which have also had a profound impact on society.

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This book consists of eight topics which discusses on pendentive dome mosque architecture. It contributes architectural design knowledge which emphasizes on sustainable development based on Islamic perspective in the mosque architecture in Anatolia and Bosnia as well as in the Balkan region. The mosque design should become the model (primary reference) to other building designs because the design postures an act and intention of the man's prostration to the God's natural built environment. This book also discusses on Ottoman mosque architecture in Anatolia and its influence to the mosque design in Bosnia Herzegovina and the Balkan region. All topics are supported by either analytical or literature findings, which can benefit the future research, education and practices.

Regional Airports have become increasingly important elements of the air network system, both as feeders of hub-and-spoke services and as origins or destination of point-to-point services. Congestion at the main hubs and increasing demand for air transportation - both for passengers and freight services – necessitates reevaluation of the overall air systems, with regional airports taking an ever expanding role.

Optimisation of air transportation systems within the framework of other forms of transport plays an important part in the present quest for sustainability. Congestion nowadays is not only associated with countries such as the USA and those in the EU, but also a variety of other countries with fast developing economies where there is a strong increase in air transportation demand. The revolution of the existing airport system, including regional airports requires the developing of new optimisation tools which can simulate the whole process and produce optimal solutions. These models

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are also essential to predict future demands and, in particular the role that regional airports will play. The siting of new airports involves taking into consideration a variety of environmental, ecological, social and economic factors which transcend the problem of transportation resources optimisation itself. Regional Airports can be a powerful driving force behind the development of an area and conversely can result in major problems if they are wrongly sited.

This book explores the fascinating role that language plays in the construction of non-verbal objects by mapping out the ontological meaning of the specialised concepts and the domain-specific knowledge embedded in them. In doing so, it provides a comprehensive linguistic insight into the discourse of professional domain-specific communities and hence, into the communication practices and procedures of those communities. In this respect, the book offers a response to the claims made by many of the most influential applied linguists today, such as Vijay Bhatia (1993, 2004), John Swales (1990, 2004) or Ken Hyland (2002), among others, who have consistently defended the need for applied linguistic research into the textual, generic and social perspectives on the under-researched interrelatedness of the discoursal and professional practices of a discipline. Specifically, this book provides readers with an integrative multi-perspective approach to the study of professional, domain-specific discourses. While it mainly draws on the tenets of genre theory and discourse semantics, it also nurtures from the theoretical and empirical foundations of applied

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linguistics, cognitive linguistics, corpus linguistics and ontological engineering. The book starts from the analysis of domain specific texts as final written products with specific lexico-grammatical, semantic and rhetorical features to later enquire into the written products as textual artefacts closely linked to the social context of production and interpretation of the text. This integrative approach provides fresh new insights into the way the processes of writing are affected by the community-specific, institutional and socio-historical circumstances in which domain-specific texts are produced. From the avant-garde design of the Islamic Cultural Center in New York City to the simplicity of the Dar al-Islam Mosque in Abiquiu, New Mexico, the American mosque takes many forms of visual and architectural expression. The absence of a single, authoritative model and the plurality of design nuances reflect the heterogeneity of the American Muslim community itself, which embodies a whole spectrum of ethnic origins, traditions, and religious practices. In this book, Akel Ismail Kahera explores the history and theory of Muslim religious aesthetics in the United States since 1950. Using a notion of deconstruction based on the concepts of "jamal" (beauty), "subject," and "object" found in the writings of Ibn Arabi (d. 1240), he interprets the forms and meanings of several American mosques from across the country. His analysis contributes to three debates within the formulation of a Muslim aesthetics in North America—first, over the meaning, purpose, and function of visual religious expression; second, over the spatial and visual affinities between American and non-American

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mosques, including the Prophet's mosque at Madinah, Arabia; and third, over the relevance of culture, place, and identity to the making of contemporary religious expression in North America.

This book features 66 papers from the 2nd International Colloquium of Art and Design Education Research, i-CADER 2015. It illustrates the wide range of opinions and interpretations, mediums and technologies, policies and methodologies in this field. The papers, which have been reviewed by 380 experts from around the world, underline the latest trans-disciplinary research in art and design education. Coverage examines organization and sustainable issues, including: creative processes, knowledge and experience, design industrial applications, sustainable design, visual communication and new media, art education research, cultural studies, teaching and learning implications on art, traditional knowledge, and new technologies for industries. In addition, the volume also explores innovative research trends in cross-disciplinary findings, combining methodology and theory. Overall, readers are provided with an insightful analysis of the latest research and advances in art and design education. A volume of five parts, this book is a culmination of selected research papers from the second version of the international conferences on Urban Planning & Architectural Design for sustainable Development (UPADSD) and Urban Transit and Sustainable Networks (UTSN) of 2017 in Palermo and the first of the Resilient and Responsible Architecture and Urbanism Conference (RRAU) of 2018 in the Netherlands. This book,

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not only discusses environmental challenges of the world today, but also informs the reader of the new technologies, tools, and approaches used today for successful planning and development as well as new and upcoming ones. Chapters of this book provide in-depth debates on fields of environmental planning and management, transportation planning, renewable energy generation and sustainable urban land use. It addresses long-term issues as well as short-term issues of land use and transportation in different parts of the world in hopes of improving the quality of life.

Topics within this book include: (1) Sustainability and the Built Environment (2) Urban and Environmental Planning (3) Sustainable Urban Land Use and Transportation (4) Energy Efficient Urban Areas & Renewable Energy Generation (5) Quality of Life & Environmental Management Systems. This book is a useful source for academics, researchers and practitioners seeking pioneering research in the field.

Worship Sound Spaces unites specialists from architecture, acoustic engineering and the social sciences to encourage closer analysis of the sound environments within places of worship. Gathering a wide range of case studies set in Europe, Asia, North America, the Middle East and Africa, the book presents investigations into Muslim, Christian and Hindu spaces. These diverse cultural contexts demonstrate the composite nature of designing and experiencing places of worship. Beginning with a historical overview of the three primary indicators in acoustic design of religious buildings, reverberation, intelligibility and clarity, the second part of this edited collection

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offers a series of field studies devoted to perception, before moving onto recent examples of restoration of the sound ambiances of former religious buildings. Written for academics and students interested in architecture, cultural heritage, acoustics, sensory studies and sound. The multimedia documents of this volume may be consulted at the address: <https://frama.link/WSS>

This timely book explores how the Malays and Muslims in general are faced with challenges in the fields of business, economy and politics, in the modern era of globalisation. These research findings can help the Muslim community to enhance international integration, particularly in Malaysia and Southeast Asia. In this work, scholarly and expert authors explore Islamic perspectives on communication, art and culture, business, and law and policy. They respond to the need to uphold and strengthen the culture, arts and heritage of the Malays. Readers are invited to explore the challenges for the Malay and Muslim world and to evolve strategies to ensure competitiveness, dynamism and sustainability. Topics such as Islamophobia, drug trafficking, savings behaviours and the role of social media are addressed. These reviewed papers were presented at the International Conference on Islamic Business, Art, Culture & Communication 2014, held in Melaka, Malaysia. They have the potential to strengthen aspects of Islamic economy and leadership, if translated into action plans. This book represents essential reading for scholars of Islamic studies and will be of interest to those examining Southeast Asia and the Malay world.

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This essential reference guide to strategies and solutions for urban planning in hot arid environments reflects the journey toward many cities, towns and villages in Iran, which are documented and presented in the form of case studies and comparative analysis. It is the outcome of extensive research on the influence of historical, cultural and climatic factors on urban spatial forms and rural complexes in Iran's Hot Arid Zone. The environment of the Hot Arid Zone offers valuable insights into how to overcome historical difficulties, how to endure harsh climatic conditions, how to be innovative and creative in responding to problems in new ways, and how to utilize natural energy sources. Considerable attention is given to the recognition of values, current problems and the renewal of traditional fabrics, urban blocks and traditional buildings. Important aspects in both academic education and in the urban design profession include traditional urban structures and traditional approaches to using natural energy as a creative process that is continuously changing and renews itself over time – a dynamic characteristic from which we can glean many lessons for the future. This book is based on a book previously published by the author in Persian. This version is an extensively revised version.

This volume showcases selected conference papers addressing the sustainable future of ASEAN from the perspectives of business and social science disciplines. In addressing the 17 Sustainable Developments Goals (SDGs) envisioned by the United Nations in the domains of environment, health and well-being, posing potential means of reducing inequalities globally, the authors target specific issues and challenges confronting the fast-growing region of ASEAN and present suggestions for co-operation and commitment from governments, non-governmental organisations (NGOs) and society at large, in line with the ASEAN Vision 2020.

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Papers are selected from the 3rd International Conference on the Future of ASEAN (ICoFA) 2019, organised by Universiti Teknologi MARA in Malaysia, whose conference theme “Charting the Sustainable Future of ASEAN” enables intellectual discourse on sustainability issues from business and the social sciences, as well as science and technology. The selection of papers is published in two volumes, comprising scholarly and practical insights into sustainability in ASEAN. This first volume of papers from business and social science scholars will be of interest to researchers and policymakers interested in sustainability developments in the ASEAN region.

Study of Dutch mosque designs that shows that current designs do not oppose Dutch society but those versions of Islam they hold to be false.

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