



Environmental Technologies In Architecture

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Environmental Technologies In Architecture:

Environmental Technologies in Architecture Bertram York Kinzey, Howard M. Sharp, 1963 Environment, Technology and Sustainability Hocine Bougdah, Stephen Sharples, 2009-09-11 This comprehensive second volume explores the environmental influences on building design introduced in the first volume to the depth appropriate to students of architecture architectural technology building surveying and cognate disciplines Environmental Technologies Lewis Carl G., 1988 *Environmental Technologies in Architecture [by] Bertram Y. Kinzey, Jr. [and] Howard M. Sharp* Bertram York Kinzey, 1963 *Smart Technologies and Design For Healthy Built Environments* Ming Hu, 2020-09-10 Smart Technologies and Design for Healthy Built Environment connects smart technology to a healthy built environment that builds upon the sustainable building movement It provides an overall summary of the state of the art technologies that are applied in the built environment The book covers a broad spectrum of smart technology categories ranging from dynamic operability energy efficiency self regulating and self learning systems and responsive systems The foreseeable challenges that are associated with smart technologies are discussed and outlined in the book Firstly this book provides a snapshot of state of the art smart technologies being applied in the built environment It covers a broad spectrum of smart technology categories ranging from dynamic operability energy efficiency self regulating and self learning systems to responsive systems Secondly this book provides in depth analysis of the four primary components of health biological physical physiological and psychological their effects on wellbeing and cognitive performance are introduced as well Thirdly it connects smart technologies to those health influencing factors by reviewing three completed smart building projects This book can also serve as a basis for education and discussion among professionals and students of diverse backgrounds who are interested in smart technologies smart building and healthy building *Smart Technologies and Design for Healthy Built Environment* serves as the basis for education and discussions among professionals and students who are interested in smart technologies smart building and healthy building as it bridges the gap between smart technologies and a healthy built environment The book also provides a foundation for anyone who is interested in the impact of smart technology on the health of built environment

Sustainable Architecture and Urbanism Dominique Gauzin-Müller, 2002-07-01 Since the mid 1980s and in particular the 1992 environmental summit in Rio de Janeiro sustainability has become a global issue and the subject of international debate In the context of architecture sustainability implies the use of intelligent technology innovative construction methods ecologically friendly materials and use of environmentally friendly energy resources This book begins with an overview of the various approaches and developments in sustainable architecture followed by an in depth section on urbanism looking at several European towns In the third section the technologies materials and methods of ecological architecture are examined Concluding the volume are 23 sophisticated and innovative European case studies The author and architect Dominique Gauzin Müller has specialised on energy and environmental issues and ecological architecture for over 15 years

Environmental Technologies in Architecture Peter McArdle, Queensland University of Technology. School of Architecture, Interior and Industrial Design, 1997

Insideout G. Z. Brown, John Reynolds, M. Susan Ubbelohde, 1982-01-01

Designing Building in the Tropics with Environmental Technologies in Architecture M. A. Muktadir, 2010

Green Technologies: Concepts, Methodologies, Tools and Applications Management Association, Information Resources, 2011-03-31

Green Technologies Concepts Methodologies Tools and Applications assembles the most up to date collection of research results and recent discoveries in environmental and green technology This comprehensive anthology covers a wide range of topics in

Green Technologies and Business Practices: An IT Approach Ordóñez de Pablos, Patricia, 2012-08-31

Green technology plays an important role in the achievement of environmental sustainability Tax incentives carbon taxes and rising fossil fuel costs are motivating increased growth and development of green products and services many of which are the result of innovative discoveries in biotechnology and nanotechnology Green Technologies and Business Practices An IT Approach is an international platform that brings together academics researchers lecturers policy makers practitioners and persons in decision making positions from all backgrounds who ultimately share new theories research findings and case studies together enhancing understanding and collaboration of green issues in business and the role of information technologies and also analyze recent developments in theory and practice Furthermore this book demonstrates the capacity of green models and policies information technology and management for the mutual understanding prosperity and overall well being of all the citizens in the world This title is perfect for politicians professors policy makers government officers and students alike

[Microbial Approaches for Sustainable Green Technologies](#) Jata Shankar, Pradeep Verma, Maulin P. Shah, 2024-06-06

Microbial systems have a strong potential to develop green and sustainable technologies including sources of renewable energy alternative fuels and biosynthetic materials for sustainable applications Advances in these technologies are evolving to meet growing demand and industries are adapting to green technologies such as solar panels bioethanol hydroponics and more With the aid of sophisticated technology and integration strategies these industries are moving toward being more environmentally friendly and sustainable This book serves as a guide to the newest technologies that will enable the implementation of microbial technologies in fostering an eco friendly industrial and environmental landscape which will have widely positive impacts for generations to come Provides recent insights on diverse technologies involved in green technologies Explains the application of microbes via fungi to remediate pollutants and examines the latest treatment technologies in bioleaching and electronic waste treatment Provides updated information on bioenergy and flexible fungal materials as alternatives to plastics Discusses the application of IOT and communication electronics in the development of green technologies

Environmental Issues for Architecture David Lee Smith, 2011-02-16

This primer for architects explores the basic physical principles and requirements of every aspect of passive and active controls in buildings Avoiding needless jargon Environmental Issues for Architecture supports an

understanding of environmental systems in order to inform architectural design With topics ranging from lighting acoustics thermal control plumbing fire protection and egress to elevators and escalators all of the latest technologies are supported Designer friendly this rich resource gives just enough technical information for architects to design buildings that are efficient and comfortable International Journal of Environmental Technology and Management ,2001 **New Technologies in Building and Construction** David Bienvenido-Huertas,Juan Moyano-Campos,2022-05-15 This book presents contributions on new technologies in building and construction Buildings are complex elements that impact environment significantly The sustainability of this sector requires a holistic and multidisciplinary approach that allows adequate strategies to be established to reduce its environmental impact This heterogeneity is represented in these chapters which have been developed by researchers from different countries The book is divided into three sections i analysis ii design and modeling and iii solutions The book chapters together represent an advance in current knowledge about new technologies in building and construction crucial for researchers engineers architects policy makers and stakeholders

Sustainable Cities and Communities Design Handbook Woodrow W. Clark II,2017-11-27 Sustainable Communities Design Handbook Green Engineering Architecture and Technology Second Edition brings together the major players responsible for sustainable development at both community and metropolitan scales The book aims to explain and demonstrate the practice planning design building and managing of the engineering architectural and economic development of cities and communities to meet sustainable development objectives Offering a holistic approach to creating sustainable communities the book includes a 40 percent increase in new methods and technology over the last edition and 50 percent more case studies from around the world to illustrate how common sustainability problems are solved As the concept and practices of a sustainable built environment have evolved over the years it is increasingly recognized that the scope should be expanded beyond individual buildings to the community scale Written by an international team of engineers architects and environmental experts this second edition includes new HVAC technologies for heating and cooling energy effect technologies for lighting and new construction materials which improve heating and cooling efficiencies This new edition will also include critical updates on international codes LEED BREEAM and Green Globes Explains the most cutting edge green technologies and methods for use in built communities Provides a common approach in using natural resources when building and designing green communities Features coverage of green practices from architecture to construction Covers compliance with various international codes methods and legal frameworks **Environmental Technology in Architecture** Jeroen Mostert,2002 *Green Architecture (GreenSource Books)* Osman Attmann,2010 Chapter 1 Green Architecture An Overview Chapter 2 Definitions and Operationalizations of Green Architecture Chapter 3 Brief History of Green Architecture Chapter 4 Green Technologies Energy Generation Chapter 5 Green Technologies Energy Retention Chapter 6 Green Materials Chapter 7 Smart Materials Chapter 8 Case Studies BibliographyIndexOsman Attmannis an

architect and associate professor at the College of Architecture and Planning University of Colorado **2nd Annual
Conference, School of Environmental Technology, Federal University of Technology, Minna**, 2008 **EnviBUILD
Buildings and Environment 2013** Lucia Maňková, Peter Hanuliak, 2014-02-27 Selected peer reviewed papers from the
EnviBUILD 2013 Buildings and Environment October 17 2013 Bratislava Slovakia

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