

Unveiling the Secrets of Bioclimatology for a Sustainable Built Environment with Masanori Shukuya's Book

In the face of growing concerns about climate change and the need for sustainable living, architects and urban planners are increasingly turning to bioclimatology to inform their designs.



Bio-Climatology for Built Environment by Masanori Shukuya

★★★★★ 5 out of 5

Language : English

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Print length : 404 pages

Screen Reader : Supported



Bioclimatology is the study of the interactions between the human body and the natural environment, and it provides valuable insights into how we can create buildings and cities that are both comfortable and energy-efficient.

In his book, Bio Climatology for Built Environment, Masanori Shukuya offers a comprehensive overview of the principles of bioclimatology and their application in architecture and urban planning.

Bioclimatology for Built Environment

Shukuya's book is divided into three parts:

1. **Part 1: Fundamentals of Bioclimatology** introduces the basic principles of bioclimatology, including the effects of temperature, humidity, wind, and solar radiation on the human body.
2. **Part 2: Bioclimatic Design and Planning** explores how bioclimatic principles can be applied to the design of buildings and cities, including the use of passive solar energy, natural ventilation, and green roofs.
3. **Part 3: Case Studies** presents a number of case studies of bioclimatic buildings and cities from around the world, including the Eden Project in Cornwall, England, and the Masdar City in Abu Dhabi, UAE.

Shukuya's book is a valuable resource for architects, urban planners, and anyone else interested in creating sustainable built environments.

The Importance of Bioclimatology

Bioclimatology is essential for creating sustainable built environments because it provides a scientific understanding of how the human body interacts with the natural environment.

By understanding the effects of temperature, humidity, wind, and solar radiation on the human body, we can design buildings and cities that are comfortable and energy-efficient.

For example, by using passive solar energy, we can reduce the need for heating and cooling, and by using natural ventilation, we can reduce the need for air conditioning.

Bioclimatology can also help us to create cities that are more resilient to climate change.

For example, by planting trees and creating green spaces, we can help to reduce the urban heat island effect, and by using permeable pavements, we can help to reduce flooding.

Bio Climatology for Built Environment is a comprehensive and authoritative guide to the principles of bioclimatology and their application in architecture and urban planning.

It is a valuable resource for anyone interested in creating sustainable built environments.

About the Author

Masanori Shukuya is a professor of architecture at the University of Tokyo.

He is a leading expert in bioclimatology and has published over 100 papers on the subject.

He is also the author of several books, including Bio Climatology for Built Environment.

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Bio Climatology for Built Environment is available from all major bookstores.

Free Download your copy today and start learning how to create sustainable built environments.

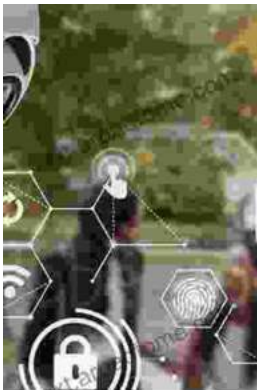
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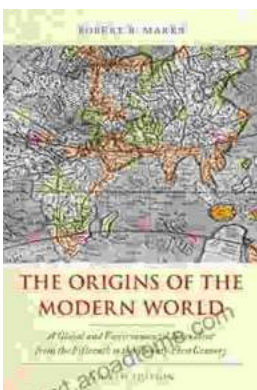


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