Innovative Renewable Energy

Series editor
Ali Sayigh
World Renewable Energy Congress, Brighton, UK

The primary objective of this book series is to highlight the best-implemented worldwide policies, projects and research dealing with renewable energy and the environment. The books will be developed in partnership with the World Renewable Energy Network (WREN). WREN is one of the most effective organizations in supporting and enhancing the utilisation and implementation of renewable energy sources that are both environmentally safe and economically sustainable. Contributors to books in this series will come from a worldwide network of agencies, laboratories, institutions, companies and individuals, all working together towards an international diffusion of renewable energy technologies and applications. With contributions from most countries in the world, books in this series will promote the communication and technical education of scientists, engineers, technicians and managers in this field and address the energy needs of both developing and developed countries.

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Seaside Building Design: Principles and Practice

Buildings in Maritime Zones

Springer

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Preface

This book, *Seaside Building Design: Principles and Practice*, examines the major features of architecture and building design in various coastal zones, primarily in moderate climates with high or average humidity. Demand for seaside living is often at a premium. Luxury villas and resorts, expensive residential developments, high-rise office buildings, and apartment blocks proliferate in harbors, seaports, and coastal regions. Meeting this demand is challenging, particularly in terms of sustainable development. This is a result of climate change, which has engendered extreme weather patterns that result in high winds, heat waves, storms, floods, and landslides. So far, this has not significantly deterred people from living by the sea.

It is essential that architects, developers, planners, and builders integrate these new environmental problems into their designs and development plans, while continuing to capitalize on the many benefits of living in coastal zones. This will mean greater care being taken regarding site location and building materials, use of natural ventilation, shading devices, and appropriate levels of maintenance.

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