

2025

CIVIL ENGINEERING



Highlights

Civil Engineering Catalogue 2025

page 4



Editor-in-chief: **Ursula Eicker**
(Concordia University, Canada)

page 4



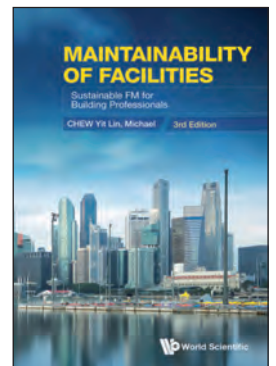
by **Willie Tan**
(National University of Singapore)

page 4



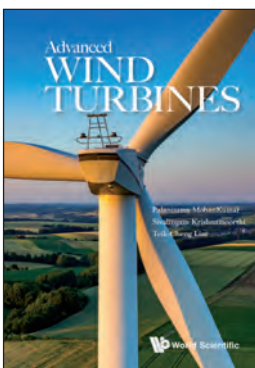
edited by **George Ofori**
(London South Bank University, UK)

page 4



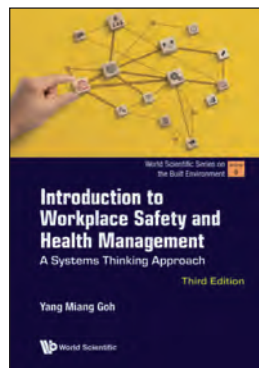
by **Chew Yit Lin, Michael**
(National University of Singapore, Singapore)

page 4



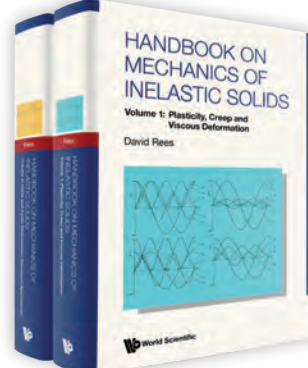
by **Palanisamy MohanKumar**
(Nanyang Technological University, Singapore),
Krishnamoorthi Sivalingam
(Surbana Jurong Pte Ltd, Singapore) & **Teik-Cheng Lim**
(Singapore University of Social Sciences, Singapore)

page 6



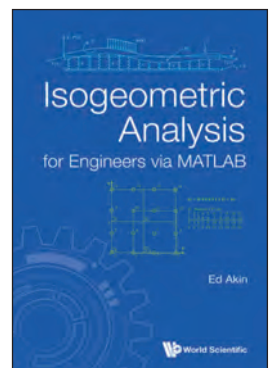
by **Yang Miang Goh**
(National University of Singapore, Singapore)

page 6



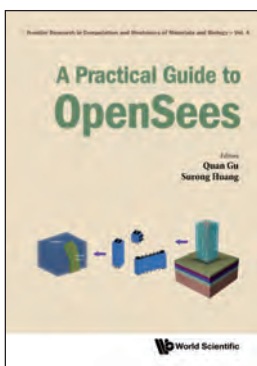
by **David Rees**
(Brunel University London, UK)

page 6



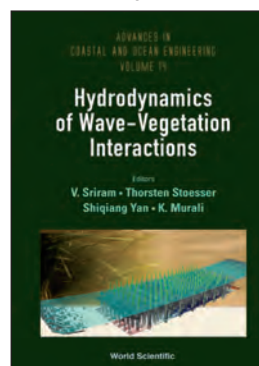
by **Ed Akin**
(Rice University, USA)

page 7



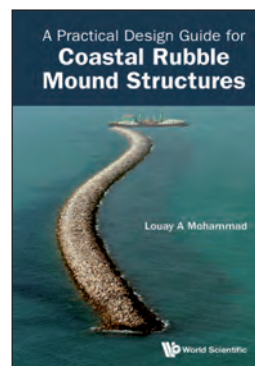
edited by **Quan Gu**
(Xiamen University, China)
& **Surong Huang**
(Xiamen University, China)

page 8



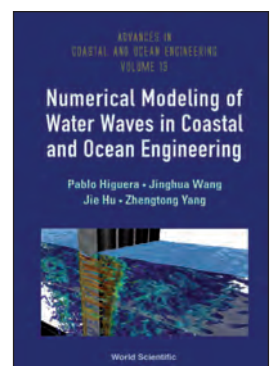
edited by **V Sriram**
(Indian Institute of Technology Madras, India),
Thorsten Stoesser (University College London, UK),
Shiqiang Yan (City, University of London, UK) & **K Murali**
(Indian Institute of Technology Madras, India)

page 8



by **Louay A Mohammad**
(COWI A/S, Denmark)

page 8



by **Pablo Higuera** (National University of Singapore, Singapore) & **The University of Auckland, New Zealand**, **Jinghua Wang** (The Hong Kong Polytechnic University, Hong Kong), **Jie Hu** (National University of Singapore, Singapore) & **Zheng tong Yang** (Technology Centre for Offshore and Marine, Singapore)

About World Scientific Publishing

World Scientific Publishing is a leading independent publisher of books and journals for the scholarly, research, professional and educational communities. The company publishes about 600 books annually and over 170 journals in various fields. World Scientific collaborates with prestigious organisations like the Nobel Foundation & US National Academies Press, amongst others, to bring high quality academic and professional content to researchers and academics worldwide. To find out more about World Scientific, visit www.worldscientific.com

Interested in Writing a Book?

We would be delighted to hear from you if you have a book idea in mind. Contact any of our worldwide offices or email us at editor@worldscientific.com for more information. Alternatively, you can visit our website at www.worldscientific.com



Other Catalogues

We have produced these catalogues for the year 2025. Please email us at marketing@feelbooks.in to request for any of them.

- Asian Studies
- Business and Management
- Chemistry
- Computer Science
- Earth, Energy and Environmental Science
- Economics and Finance
- Electrical and Electronics Engineering
- Life Sciences
- Mathematics
- Materials Science and Nanoscience
- Mechanical Engineering
- Medical Science
- Nonlinear Science
- Physics
- Popular Science



Stay Updated

Join our Mailing List to be informed of our latest publications, worldwide conferences, special offers on our books and journals, and much more!



To join, visit

<https://wspc-newsletters.com/subscribe-iframe.php>

Or email your contact information to us at marketing@feelbooks.in with “Civil Engineering” in the subject line.



Civil Engineering

C O N T E N T S

4	Sustainability, Architecture, Building Management and Construction
5	Analysis and Applications in Civil Engineering
8	Coastal / Ocean / Petroleum / Earthquake Engineering
9	Structural Engineering
9	Transport / Traffic Engineering
10-14	Journals
15	Bestselling Backlist for Engineering
15	Proceedings
16	Title Index
18	Order Form

Join over 500,000 subscribers who receive our email newsletters.

Get alerted about:

- Subscriber Discount
- New and forthcoming publications
- Free online chapters
- New book reviews
- Podcasts and videos of author interviews
- Useful tips in research

Sign up now @
<https://wspc-newsletters.com/subscribe-iframe.php>

Sustainability, Architecture, Building Management and Construction

World Scientific Series on Emerging Technologies:
Avram Bar-Cohen Memorial Series

**NEXT-GENERATION CITIES:
AN ENCYCLOPEDIA**

(In 4 Volumes)

Volume 1: Design, Arts, Culture and Community

Volume 2: Built and Natural Environment

Volume 3: Mobile, Secure and Sharing Cities

Volume 4: Pathways to Urban Transformation

Editor-in-chief: **Ursula Eicker** (Concordia University, Canada)

Next-Generation Cities: An Encyclopedia is a curated collection of expert papers and represents the backbone of the work of the Next-Generation Cities Institute at Concordia University in Montréal, Canada. In an interdisciplinary framework, it reflects the collaborative approach necessary to solve complex urban issues. A new model of city building brings together the best practices of many professions and interest groups. The Encyclopedia compiles public and private sector experts, professors, and graduate student contributions in four volumes. It considers the different perspectives, objectives, methodologies, and guidelines for transforming today's cities into inclusive, human-centred, livable, culturally vibrant, resilient and sustainable human settlements.

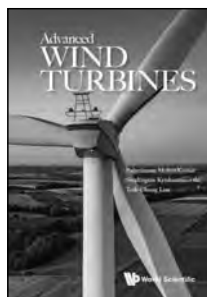


Readership: Policy-makers, researchers and professionals in urban/town planning, architecture, municipal and state governance, infrastructure, and civil engineering.

1200pp	Aug 2025	
978-981-128-950-7(Set)	US\$1088	£1000
978-981-128-944-6(Set)(ebook)	US\$2048	£1885

**ADVANCED WIND
TURBINES**

by **Palanisamy MohanKumar** (Nanyang Technological University, Singapore), **Krishnamoorthi Sivalingam** (Surbana Jurong Pte Ltd, Singapore) & **Teik-Cheng Lim** (Singapore University of Social Sciences, Singapore)



"This book is a good reference for those wanting to better understand the aerodynamics driving the design and performance of vertical axis wind turbines. The authors have written it from the perspective of industrial applications focused on the conditions specifically for small city-states that are not naturally endowed with sufficiently strong wind. It is a veritable mine of numerical and experimental data, useful for research and professional work. It proved to be a useful resource throughout the design process for a client's unique wind energy project. I would strongly recommend this book as a good reference for scientists, engineers and any companies worldwide working on wind turbines." **Ion Paraschivoiu, Full Professor, Polytechnique Montréal, Canada**

Readership: Wind turbine engineers and companies working on non-conventional wind turbines, such as Vertical Axis Wind Turbines and Floating Offshore Wind Turbines. Academics, researchers, and postgraduate students in Wind Engineering.

540pp	Oct 2023	
978-981-127-248-6	US\$178	£165
978-981-127-249-3(ebook)	US\$285	£260

World Scientific Series on the
Built Environment - Vol 7

**MANAGING INFRASTRUCTURE
PROJECTS**

2nd Edition

by **Willie Tan** (National University of Singapore)

This book is about managing the infrastructure development cycle from project initiation to the end of the operation and maintenance phase. It focuses on the public – private partnership contract and, from this perspective, private and public sector procurement are variations.

Readership: Students of the MSc (Project Management) program, National University of Singapore, and researchers, public officials, project sponsors, lenders, developers, contractors, subcontractors, suppliers, investors, infrastructure fund managers, insurers, facilities managers, non-government organizations, and consultants such as designers, engineers, environmental specialists, legal advisors, and brokers dealing with infrastructure projects.

256pp	Dec 2023	
978-981-128-658-2(pbk)	US\$48	£45
978-981-128-598-1	US\$88	£80
978-981-128-591-2(ebook)	US\$141	£130



Domain-Specific Bodies of Knowledge in
Project Management - Vol 3

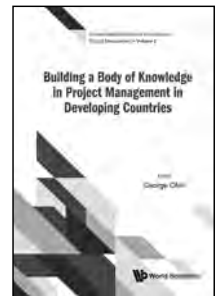
**BUILDING A BODY OF
KNOWLEDGE IN PROJECT
MANAGEMENT IN DEVELOPING
COUNTRIES**

edited by **George Ofori** (London South Bank University, UK)

This book presents a state-of-the-art account of the recent developments and needs for project management in developing countries. It adds to the current state of knowledge on project management in general by capturing current trends, how they widen the content and scope of the field, and why there is a need for a specialist body of knowledge for developing countries.

Readership: Students and practitioners of general project management, undergraduate and postgraduate students in the fields of architecture, construction and engineering, practising architects, civil and building engineers, construction managers, quantity surveyors, and students, researchers and practitioners from developing/ industrialised countries.

952pp	Jul 2023	
978-981-122-471-3	US\$198	£180
978-981-122-472-0(ebook)	US\$317	£290



**MAINTAINABILITY OF
FACILITIES**

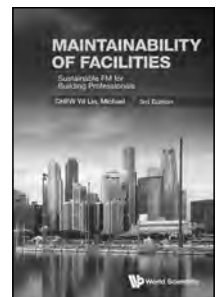
Sustainable FM for Building Professionals
3rd Edition

by **Yit Lin, Michael Chew** (National University of Singapore, Singapore)

In this edition, the latest relevant codes of practices, regulations and standards are included. All chapters have been brought up to date to include contemporary sustainability concerns, such as sustainability design, construction and materials, and maintainability of green features. A new chapter on "Common Areas" has been added. Every chapter is summarised with an easy-to-use table to make the book more practical and user-friendly.

Readership: Practitioners and students in architecture and building management.

496pp	Dec 2023	
978-981-127-852-5(pbk)	US\$68	£65
978-981-127-739-9	US\$118	£110



World Scientific Series in
R&D Management - Vol 8

SMART CITY 2.0

Strategies and Innovations for
City Development

edited by **Deog-Seong Oh** (*Woosong University, South Korea*), **Fred Young Phillips** (*University of New Mexico, USA & Tongji University, China*) & **Avvari V Mohan** (*University of Nottingham Malaysia Campus, Malaysia*)



- This book offers leading-edge, international perspectives on Smart City 2.0
- The tension between efficiency-driven smart cities and creative, inventive technopoleis (which by the nature of innovation must be inefficient) have not been explored before the present book
- Chapters are contributed by prominent, leading thinkers and practitioners from a dozen countries, representing both the developed and the developing worlds

Readership: City planners and city officials, students and researchers in the fields of urban planning and information technology, Information infrastructure consultants and providers and international banks and aid agencies.

420pp	Mar 2023	
978-981-125-717-9	US\$148	£135
978-981-125-718-6(ebook)	US\$237	£220

World Scientific Series on the
Built Environment - Vol 4

FACILITIES PLANNING AND DESIGN

An introduction for Facility Planners,
Facility Project Managers and
Facility Managers

2nd Edition

by **Jonathan K M Lian**
(*National University of Singapore*)



This second edition has been extensively updated with current and new examples, case studies and references. By learning about the planning and design processes as it relates to facilities, students and facility professionals will be able to align facilities planning and design with the organisation's strategic priorities, manage design consultants by understanding the planning and design process, manage the planning and design of spaces at different scales, and manage the use of existing space effectively.

Readership: Students seeking careers in complex facilities; Facility planners and facility project managers new to being part of an organisation with large facilities; Facility professionals well versed with operations and maintenance; and Construction project professionals and consultants that wish to understand or take on planning and designing from a facility management perspective.

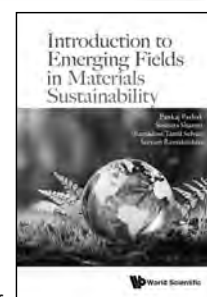
248pp	Jan 2023	
978-981-126-655-3(pbk)	US\$58	£55
978-981-126-548-8	US\$98	£90
978-981-126-549-5(ebook)	US\$157	£145



Analysis and Applications in Civil Engineering

INTRODUCTION TO EMERGING FIELDS IN MATERIALS SUSTAINABILITY

by **Pankaj Pathak** (*SRM University Andhra Pradesh, India*), **Susmita Sharma** (*National Institute of Technology Meghalaya, India*), **Ramadoss Tamil Selvan** (*National University of Singapore, Singapore*) & **Seeram Ramakrishna** (*National University of Singapore, Singapore*)



"This excellent new book covers important concepts of sustainability focusing on materials and their waste streams. The impressive team of authors use their insight to explore water management, food, waste management, plastics, electronics, and construction sectors, complementing this with a general introduction to the basic concepts of sustainability and the role of different materials.." **Paul Hogg, Professor, Royal Holloway University of London, UK**

Readership: Undergraduate and graduate students enrolled in Environmental Science/Chemistry/Economics/Engineering, Material Science, Engineering and Business School. Emerging entrepreneurs, academics/researchers, industry professionals, and companies working on sustainable development and/or waste management will also be interested.

200pp	Jul 2025	
978-981-124-764-4	US\$78	£70
978-981-124-765-1(ebook)	US\$125	£115

Series on Quality, Reliability and Engineering Statistics

DESIGN FOR SIX SIGMA FOR ENGINEERS

by **Matthew Hu** (*Wayne State University, USA*), **Kai Yang** (*Wayne State University, USA*), **Michael Sheh** (*Engineous Software Inc., USA*) & **Malik Kayupov** (*Engineous Software Inc., USA*)

- IDOV process for DFSS
- Inventive Design methods
- Numerical and CAE tools
- Step by step procedures
- Examples and case studies

Readership: Graduate students, engineers and industrialists interested in the Design for Six Sigma methodology.

500pp	May 2025	
978-981-256-063-6	US\$115	£105

Ship and Offshore Structural Mechanics - Vol 1

NONLINEAR FINITE ELEMENT METHODS

Extreme and Accidental Conditions

by **Yong Bai** (*Zhejiang University, China*) & **Jeom Paik** (*University College London, UK*)

This unique compendium introduces FEM (Finite Element Methods) as a general numerical technique for the solution of various engineering problems.

By keeping the mathematics simple, this reference volume includes a comprehensive presentation and analysis of algorithms of time-dependent phenomena plus beam, plate, and shell theories.

Since the majority of applications of FEM are in the realm of mechanics including solid, fluids, structural and soil, descriptions in this book are focused on the important applications in structural engineering and science.

Readership: Researchers, professionals, academics and graduate students in civil engineering, mechanical engineering and ocean engineering.

300pp	Oct 2025	
978-981-121-904-7	US\$118	£110
978-981-121-905-4(ebook)	US\$189	£175

NONLOCAL CONTINUUM DAMAGE AND PLASTICITY

Theory and Computations
by **Rashid K Abu Al-Rub** (*Texas A&M University, USA*)

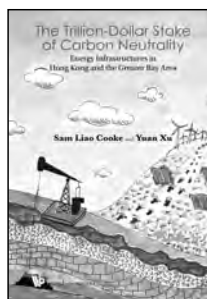
- Presents a thorough and a comprehensive treatment of the most important areas of nonlocal (integral and gradient) inelasticity (damage and plasticity) in continuum solid mechanics. Gives an insight on the theoretical design of micro-systems that could be used in the manufacturing of some practical applications such as sensors, actuators, microelectromechanical systems (MEMS and NEMS), microelectronic packaging, advanced composites, micromachining, welds, and functionally graded materials

Readership: Researchers in the academic community, national laboratories in materials and solid mechanics, companies in engineering mechanics and materials, and graduate students.

600pp	May 2025	
978-981-281-397-8	US\$190	£175
978-981-281-398-5(ebook)	US\$304	£280

THE TRILLION-DOLLAR STAKE OF CARBON NEUTRALITY

Energy Infrastructures in Hong Kong and the Greater Bay Area
by **Sam Liao Cooke** (*The Chinese University of Hong Kong, Hong Kong*) & **Yuan Xu** (*The Chinese University of Hong Kong, Hong Kong*)



This book provides a bottom-up approach and detailed accounting of energy infrastructures to diagnose the massive stake of carbon neutrality.

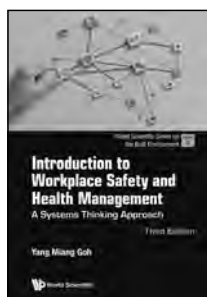
Readership: Governments, policy-makers, businesses, and decision-makers interested in carbon neutrality.

150pp	Aug 2024	
978-981-129-030-5	US\$68	£65
978-981-129-031-2(ebook)	US\$109	£100

World Scientific Series on the Built Environment - Vol 8

INTRODUCTION TO WORKPLACE SAFETY AND HEALTH MANAGEMENT

A Systems Thinking Approach
3rd Edition
by **Yang Miang Goh** (*National University of Singapore, Singapore*)



This book takes a systems-thinking approach to allow readers to understand how WSH is an integral part of any organisation. The different chapters are strung together by an overarching model of incident causation and underpinning models are presented to allow a strong conceptual foundation. This edition brings all ten of the book's chapters up to date with current day best practices, WSH guidelines, and approved codes of practice. A series of online quizzes are available to readers to help them to reinforce the concepts of each chapter.

Readership: Professionals and students (undergraduate and above) concerned with or studying workplace safety and the management of worker and overall workplace health.

230pp	Aug 2024	
978-981-129-006-0(pbk)	US\$48	£45
978-981-129-001-5	US\$88	£80
978-981-129-002-2(ebook)	US\$141	£130

HANDBOOK ON MECHANICS OF INELASTIC SOLIDS

(In 2 Volumes)
Volume 1: Plasticity, Creep and Viscous Deformation
Volume 2: Finite and Cyclic Deformation; Structural Applications
by **David Rees** (*Brunel University London, UK*)

In this two-volume work, what might previously have been regarded as disparate, 'specialist' topics have been placed within a wider mechanics arena to emphasise their common, underlying principles. That arena is taken generally as one of inelasticity for dealing with the essential mechanics of these phenomena. Therein, this text brings together theory, experimental data, key references, examples and exercises, particularly those that relate to the important advances in the subject, both old and new. The presentation of material featured in this way anticipates that in their turn these additional topics will be recognised as essential material for study among engineers, physicists and applied mathematicians at undergraduate and postgraduate levels.



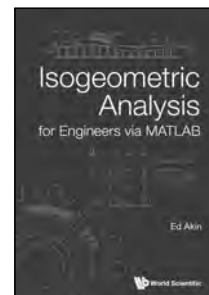
Readership: This handbook is intended for an academic readership and is designed for researchers, engineers and advanced undergraduate, graduate and post-graduate students studying or dealing with inelastic solids and/or classical mechanics.

1200pp	Aug 2023	
978-1-80061-206-8(Set)	US\$780	£720
978-1-80061-207-5(Set)(ebook)	US\$1248	£1150

ISOGEOMETRIC ANALYSIS FOR ENGINEERS VIA MATLAB

by **Ed Akin** (*Rice University, USA*)

This unique compendium approaches the relatively new Isogeometric Analysis (IGA) methods at senior undergraduates level in engineering or applied mathematics. It describes the differences between the well-established Finite Element Analysis (FEA) methods and why they are being replaced, or enhanced, by the latest developments in IGA.



Readership: Researchers, professionals, academics and senior undergraduate students in acoustics, dynamic systems and aerospace engineering.

365pp	Jun 2024	
978-981-128-853-1	US\$108	£100
978-981-128-854-8(ebook)	US\$173	£160

CONSTRUCTION TECHNOLOGY FOR TALL BUILDINGS

6th Edition
by **Michael Yit Lin Chew** (*National University of Singapore, Singapore*)

In this 6th edition, the text and illustrations of every chapter are thoroughly revised to present the latest technologies, methodologies, and processes for the construction of tall buildings, from foundation, basement, and superstructure to roof. Contemporary sustainability concerns, as well as the latest regulations and standards, are highlighted.



The target readers are practitioners and students in the building and construction professions including architecture, engineering, infrastructure and project management, building and construction management, real estate, quantity surveying and land surveying.

Readership: Undergraduate students and practitioners in architecture, civil engineering, building, real estate and urban planning.

600pp	Sep 2024	
978-981-12-9437-2	US\$188	£175
978-981-12-9392-4 (pbk)	US\$98	£90
978-981-12-9394-8 (ebook)	US\$78	£70

Frontier Research in Computation and Mechanics of Materials and Biology - Vol 4

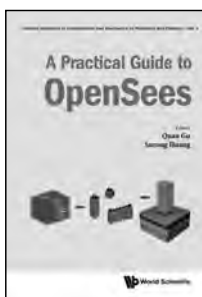
A PRACTICAL GUIDE TO OPENSEES

edited by **Quan Gu** (Xiamen University, China) & **Surong Huang** (Xiamen University, China)

The unique compendium teaches beginners how to perform nonlinear finite element (FE) analysis by following a series of step-by-step examples and basic programming method using OpenSees. The scope of the book includes nonlinear FE analyses of reinforced concrete frame shear wall structures, liquefiable soils, soil-structure interaction systems, fluid-solid coupling systems, high-speed railway systems, as well as introduces the sensitivity, reliability, optimization, peridynamic (PD) analysis, and the integration of OpenSees with other softwares.

Readership: Professionals, academics, researchers and graduate students in civil engineering, earthquake engineering and engineering mechanics.

320pp	Sep 2023	
978-981-120-914-7	US\$108	£100
978-981-120-915-4(ebook)	US\$173	£160



Contemporary Mathematics and Its Applications: Monographs, Expositions and Lecture Notes - Vol 5

TENSOR ALGEBRA AND ANALYSIS FOR ENGINEERS

With Applications to Differential Geometry of Curves and Surfaces

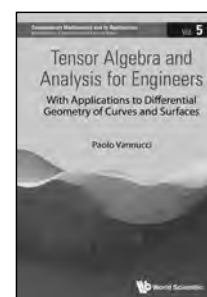
by **Paolo Vannucci** (Université de Versailles et Saint-Quentin-en-Yvelines, France)

This textbook, mainly addressed to graduate students and young researchers in mechanics, is an attempt to fill the gap. Its aim is to introduce the reader to the modern mathematical tools and language of tensors, with special applications to the differential geometry of curves and surfaces in the Euclidean space. The exposition of the matter is sober, directly oriented to problems that are ordinarily found in mechanics and engineering. Also, the language and symbols are tailored to those usually employed in modern texts of continuum mechanics.

- More than 100 exercises for the reader, with solutions provided
- Contains 50 figures

Readership: Graduate or PhD students and young researchers in mechanics, engineering, and applied mathematics. Applicable to courses in differential geometry or tensor algebra, and advanced applied or theoretical continuum mechanics courses for engineering students.

232pp	Apr 2023	
978-981-126-480-1	US\$88	£80
978-981-126-481-8(ebook)	US\$141	£130



AN INTRODUCTION TO INTERFACES AND COLLOIDS

The Bridge to Nanoscience
2nd Edition

by **John C Berg** (University of Washington, USA)

Reviews of the First Edition:

"Born of decades of diverse experience performing research and teaching in the field of surface and colloid science, Prof. Berg's new textbook is a must buy for students just entering the field, as well as for experts. I find myself frequently referring to the book as a reference when writing grants. Prof. Berg's organization of the subject matter, combined with his exquisitely clear descriptions that provide a molecular level understanding of phenomena, have set a new standard for textbooks in the field." **Journal of Colloid and Interface Science**

Readership: Senior undergraduate and graduate students in chemistry, physics, materials science, chemical engineering, civil engineering, mechanical engineering and related fields.

884pp	May 2024	
978-981-128-640-7(pbk)	US\$78	£70
978-981-128-572-1	US\$198	£180
978-981-128-573-8(ebook)	US\$317	£290



FRANK LLOYD WRIGHT AND JAPAN REVISITED

Traditional Japanese Culture as a Means to Modern American Architecture

by **Kevin Nute** (University of Hawai'i at Mānoa, USA)

Although it has long been accepted that America's most famous architect was influenced by Japanese culture, the nature of Frank Lloyd Wright's debt to Japan has remained unclear.

This book argues that Japan had a more profound impact on Wright's approach to design and in particular on his notion of the organic than has previously been acknowledged. It suggests that the influence of Ernest Fenollosa (1853–1908), the leading American authority on Japanese art at the turn of the 20th century, who also happened to be the cousin of Wright's first employer in Chicago, the Shingle Style architect Joseph Silsbee (1848–1913), was pivotal in bringing together what would become Wright's twin passions of Japanese art and the organic whole.

Building on the success of the original book, which won the 1994 AIA International Architectural Monograph Award, this revised and expanded edition contains new sections on the Western image of Japan as other, the question of cultural appropriation, and Wright's translation of Japanese building forms into his own architectural language.

Readership: Professionals, academics and students of architecture, interior design, art history, Asian studies and cultural studies.

452pp	Jan 2025	
978-1-80061-600-4	US\$148	£135



MECHANICS OF MATERIALS

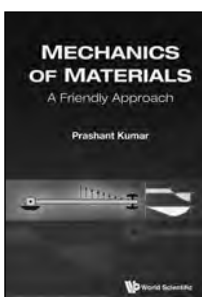
A Friendly Approach

by **Prashant Kumar** (Indian Institute of Technology Kanpur, India)

This comprehensive book presents materials with a three-dimensional approach rather than two-dimensional analysis adopted by existing books. It develops the required background thoroughly before basic elements such as stress and strain tensors are formulated. The presentation is richly filled with anecdotes, illustrations and solved examples. Special care has been taken to carry out algebra and the derivations in small digestible steps.

Readership: Researchers, professionals, academics, undergraduate and graduate students in mechanical engineering, civil engineering, aerospace engineering, materials science and chemical engineering.

544pp	Sep 2022	
978-981-124-845-0	US\$138	£125
978-981-124-846-7(ebook)	US\$221	£205



THE SELECTED WORKS OF RODERICK S C WONG

Volume 4

edited by **Dan Dai** (*City University of Hong Kong, Hong Kong*) & **Ding-Xuan Zhou** (*The University of Sydney, Australia*)

Throughout his illustrious career, Professor Wong has consistently made profound and impactful contributions that have significantly advanced the domain of applied mathematics. His exceptional achievements have been widely acknowledged and celebrated through a multitude of prestigious awards and honors. Notably, he was bestowed with the esteemed title of Fellow of the Royal Society of Canada in 1993, recognized as a foreign member of the Academy of Sciences of Turin (Italy) in 2001, and honored with the Chevalier dans l'Ordre National de la Légion d'Honneur by the French government in 2004. Additionally, Professor Wong's remarkable accomplishments have led to his membership in the European Academy of Sciences in 2007. These accolades serve as a testament to his exemplary contributions to the field.

Readership: Academics, researchers, post-graduate students, undergraduate students, mathematicians, physicists, engineers.

550pp	Sep 2024	
978-981-12-9085-5	US\$168	£155
978-981-12-9087-9(ebook)	US\$134	£125



World Scientific Series on the Built Environment - Volume 6

URBAN GREENING TECHNIQUES

An Introduction

by **Chun Liang Tan** (*National University of Singapore, Singapore*)

This book provides an introduction to the various technologies and techniques that facilitate the urban greening process. Each chapter introduces the concept of urban greenery at different scales (city, precinct and plant), as well as relevant methods and considerations for implementation. Assessment frameworks are provided to maximise the benefits of greenery, whilst minimising disservices associated with poor planning, execution or maintenance of greenery or greenery systems. Simple exercises and online resources are provided to illustrate how concepts from this book can be applied in practice.

Readership: Students of the interior design, architecture and landscape architecture discipline, building owners and developers, designers, architects and landscape architects, horticulturists, building and facility managers, and scientists and researchers in the field of building science, landscape design, and maintainability.

216pp	Jul 2023	
978-981-12-7837-2	US\$98	£90
978-981-12-7901-0(pbk)	US\$48	£45



Coastal / Ocean / Petroleum / Earthquake Engineering

COASTAL MANAGEMENT IN THE FACE OF CLIMATE CHANGE

by **Dominic Reeve** (*University of Plymouth, UK*)

The book is aimed at practicing coastal managers and engineers; to provide some practical guide to using the results of research efforts over the last decade. The material is also suitable for final year undergraduates and MSc students. It brings together in one book material that is currently dispersed across many sources which are not easy for the non-expert to access.

Readership: Graduate students, practitioners, and researchers in coastal engineering, civil engineering, environmental management and planning and environmental engineering.

200pp	Aug 2025	
978-1-84816-583-0	US\$106	£100
978-1-84816-584-7(ebook)	US\$170	£155

Advances in Coastal and Ocean Engineering - Vol 14

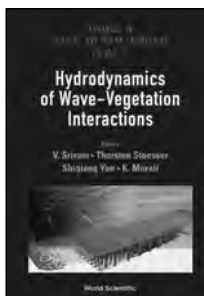
HYDRODYNAMICS OF WAVE-VEGETATION INTERACTIONS

edited by **V Sriram** (*Indian Institute of Technology Madras, India*), **Thorsten Stoesser** (*University College London, UK*), **Shiqiang Yan** (*City, University of London, UK*) & **K Murali** (*Indian Institute of Technology Madras, India*)

This book reviews the state of the art of the research in the area of wave-vegetation interaction for coastal applications using numerical and experimental approaches. The reference text will be useful to students, early-career researchers, teachers and practicing engineers in the field of ocean engineering, civil engineering and climate change.

Readership: Researchers, professionals, academics and graduate students in ocean engineering, civil engineering and climate change.

252pp	Nov 2023	
978-981-128-413-7	US\$88	£80
978-981-128-414-4(ebook)	US\$141	£130



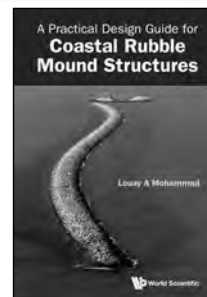
A PRACTICAL DESIGN GUIDE FOR COASTAL RUBBLE MOUND STRUCTURES

by **Louay A Mohammad** (*COWI/A/S, Denmark*)

This comprehensive compendium highlights the practical side in the design of the coastal rubble mound structures. All basic rubble mound structural elements with various special features or arrangements are discussed and presented with guidelines to the best practices.

Readership: Researchers, professionals, academics, and graduate students in coastal engineering and civil engineering.

476pp	Apr 2023	
978-981-126-171-8	US\$148	£135
978-981-126-172-5(ebook)	US\$237	£220



Advances in Coastal and Ocean Engineering - Vol 13

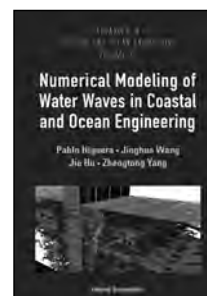
NUMERICAL MODELING OF WATER WAVES IN COASTAL AND OCEAN ENGINEERING

by **Pablo Higuera** (*National University of Singapore, Singapore & The University of Auckland, New Zealand*), **Jinghua Wang** (*The Hong Kong Polytechnic University, Hong Kong*), **Jie Hu** (*National University of Singapore, Singapore*) & **Zheng tong Yang** (*Technology Centre for Offshore and Marine, Singapore*)

This unique compendium introduces the field of numerical modelling of water waves. The topics included the most widely used water wave modelling approaches, presented in increasing order of complexity and categorized into phase-averaged and phase-resolving at the highest level.

Readership: Researchers, professionals, academics, undergraduate and graduate students in ocean/coastal engineering and fluid mechanics.

208pp	Apr 2023	
978-981-126-545-7	US\$78	£70
978-981-126-546-4(ebook)	US\$125	£115



Structural Engineering**LARGE DIAMETER SHIELD TUNNELING TECHNOLOGY**

by **Wenbo Zhou** (*Shanghai Tunnel Engineering Co., Ltd., China*) & **Huiming Wu** (*Shanghai Tunnel Engineering Co., Ltd., China*)

"As another brand-new business card in the field of engineering technology in China, the large-diameter shield tunneling has been widely promoted and applied, marking that China's infrastructure construction capacity has leaped into the world's advanced ranks."

Sun Jun, First Class Honorary Professor and Honorary Dean of the Department of Geotechnical Engineering of Tongji University, Senior Academician of the Chinese Academy of Sciences (Division of Technological Sciences)

Readership: Professional technicians of design and construction units, researchers of scientific research institutes, civil engineers, and other industry professionals specialising in or dealing with tunnel and underground engineering or related fields.

492pp **Jun 2024**
978-981-128-595-0 **US\$158** **£145**
978-981-128-596-7(ebook) **US\$253** **£230**

**ON BRIDGES**

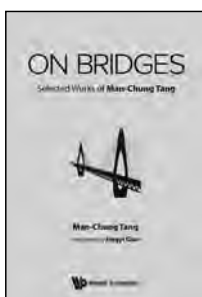
Selected Works of Man-Chung Tang
 by **Man-Chung Tang** (*TY Lin International, China*)

Translated by: **Jingyi Guo**
 (*Chongqing Jiaotong University, China*)

- The book includes the bridge design concepts and innovations of a professional designer based on the writer's personal experiences in bridge engineering
- The book shows the achievements of technical innovation as well as expounds on the integration of engineering and the arts, to show how this interdisciplinary synthesis has enabled advancements in bridge building
- May help young engineers learn about and conceptualize bridge structures

Readership: Advanced undergraduates, graduate students, and practitioners specialising in bridge building and bridge engineering construction in civil engineering and other related fields.

321pp **May 2025**
978-981-123-874-1 **US\$128** **£120**
978-981-123-875-8(ebook) **US\$205** **£190**

**SMART STRUCTURES**

From Concepts to Applications
 by **Amr M Baz** (*University of Maryland, USA*)

- The book has included extensive modeling examples of structure/piezoelectric elements by using the commercial finite element software ANSYS, which is one of the most important design tool of multi-field problems
- The book is also supplemented with an excellent set of power point slides covering the seven chapters

Readership: Researchers, Professors and Lectures in Mechanical Engineering, Civil Engineering UG Elective and Graduate courses.

534pp **May 2024**
978-1-80061-412-3 **US\$158** **£145**
978-1-80061-413-0(ebook) **US\$253** **£235**

**Transport / Traffic Engineering****URBAN TRAFFIC ENGINEERING AND STREETSCAPE DESIGN**

by **Michael G H Bell** (*The University of Sydney, Australia*), **Ioannis Kaparias** (*Imperial College London, UK*) & **Bill Mount** (*Retired, Royal Borough of Kensington and Chelsea, UK*)

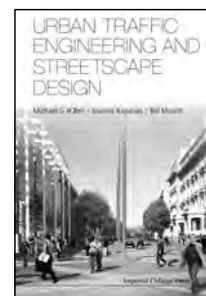
This book presents a new approach to urban traffic engineering in an integrated, coherent and accessible way. The material on methods and practice is complemented by recent case studies to illustrate the challenges that confront urban traffic engineering schemes in practice. Although the history and traditions of urban traffic engineering differ greatly between countries, there is an emerging international consensus which this book tries to capture.

Contents:

- Brief History of Urban Traffic Engineering
- Quality of the Public Realm, Streetscape and Environmental Capacity
- Design, Visual Cues and Safe Interaction Between Road Users
- Traffic Flow, Speed and Density
- Lighthill-Whitham-Roberts (LWR) Traffic Flow Theory
- Queues, Stops and Delay
- Crossing, Merging and Gap Distributions
- Gap Acceptance Theory and Critical Gap Definitions
- Links, Nodes and Networks
- First-In-First-Out (FIFO) and Shortest Path Algorithms
- Layout Of Streets and Junctions
- Lane Markings, Stop Lines, Tactile Strips and Signage
- Objectives of Traffic Control (Efficiency, Accessibility, Safety, Environment — EASE) and others.

Readership: Researchers, academics, undergraduate students and post-graduate students in civil engineering and urban design.

300pp **Feb 2025**
978-1-84816-897-8 **US\$69** **£65**

**TRAFFIC FLOW MODELING AND SIMULATION**

A Practical Approach
 by **Rahim (Ray) F Benekohal** (*University of Illinois Urbana-Champaign, USA*)

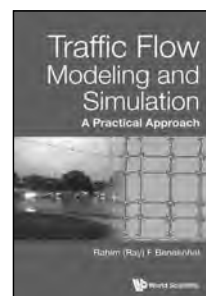
The useful reference text provides readers with the knowledge needed to properly simulate their traffic system and interpret the outcome of the simulation. It benefits researchers, professionals, academics and graduate students in the fields of civil engineering, transportation, and modeling and simulation.

Contents:

- Introduction
- Traffic Flow as a Complex System
- Traffic Flow Modeling Approaches
- Traffic Simulation Types
- What to do Before Simulation
- Calibration Verification and Validation of Traffic Simulation Models
- Statistical Validation Techniques
- Traffic Simulation Output Analysis
- Comparing Different Alternatives
- Traffic Simulation Models?
- Glossary of and Abbreviations

Readership: Researchers, professionals, academics and undergraduate and graduate students in civil engineering.

300pp **Aug 2026**
978-981-128-730-5(pbk) **US\$58** **£55**
978-981-128-677-3 **US\$108** **£100**
978-981-128-678-0(ebook) **US\$173** **£160**



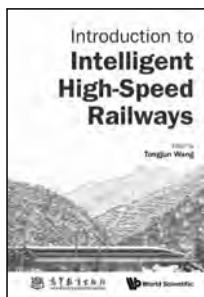
INTRODUCTION TO INTELLIGENT HIGH-SPEED RAILWAYS

edited by **Tongjun Wang**
(China State Railway Group, China)

This book offers a comprehensive overview of China's Intelligent HSR architecture, management methods, and remarkable achievements. It showcases pioneering research from China State Railway Group Co., Ltd.; highlighting their remarkable achievements in designing and constructing the Beijing-Zhangjiakou High-Speed Rail — a project that has been highly praised by the world's leading railway organization, the Union of International Railways.

Readership: Graduate students, researchers and professionals specialising in rail transit design, construction and operation, and governments.

340pp	Jul 2024	
978-981-128-744-2	US\$128	£120
978-981-128-745-9(ebook)	US\$205	£190



INTRODUCTION OF SUPER-SPEED RAIL

by **Qizhou Hu** (Nanjing University of Science and Technology, China)

This unique compendium analyzes its operation principle, system architecture and attribute characteristics, discusses its feasibility, and discusses the global integration issues in the SSR environment.

The useful reference text highlights terminologies and principles of SSR. It's a comprehensive analysis of the past, present and future of SSR from the system engineering point of view. Thereby, the novel book plays a leading role in the development of SSR worldwide.

Readership: Researchers, professionals, academics and graduate students in civil engineering, mechanical engineering and systems engineering.

220pp	Jun 2023	
978-981-127-009-3	US\$88	£80
978-981-127-010-9(ebook)	US\$141	£130

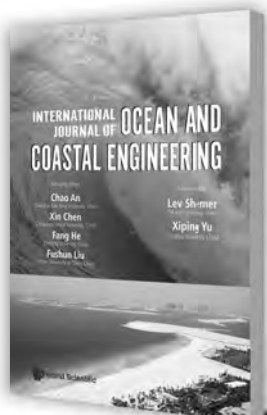


Submit your paper to these journals. Recommend them to your librarian!

For a **FREE** institutional trial or subscribe to these journals, please contact us at marketing@feelbooks.in

INTERNATIONAL JOURNAL OF OCEAN AND COASTAL ENGINEERING (IJOCE)

<https://www.worldscientific.com/ijoce>



ADVISORS

Chiang C. Mei (MIT, USA)

Philip L.-F. Liu (National University of Singapore and Cornell University, USA)

EDITORS-IN-CHIEF

Lev Shemer (Tel Aviv University, Israel)

Xiping Yu (Tsinghua University, China)

AIMS & SCOPE

This international journal is a peer-reviewed medium for the publication of research achievements and engineering practices on all aspects of ocean and coastal engineering, including but not limited to wave dynamics and wind waves, tides and ocean currents, sea level changes, tsunamis and storm surges, nearshore sediment transport, coastal morphology, beach erosion, shore protection, ocean acoustics, remote sensing of ocean, marine exploration techniques, AUV/ROV, offshore platforms, submarine pipelines, seawalls and breakwaters, construction and design methods for offshore and coastal infrastructures, maintenance of navigation channels, dredging technology, harbor engineering, materials for marine structures, marine geotechnical engineering, estuarine processes, marine environmental problems, marine ecosystem dynamics, ocean energy development, coastal zone management, safety and amenity of coastal cities, etc.

The scope of this journal encompasses experimental, computational, and theoretical aspects of ocean and coastal engineering, as well as closely-related subjects and meaningful applications, whose composition will evolve continuously to respond to emerging new areas and directions in modern science, engineering and technology.

Abstracting/Indexing: Baidu | CNKI Scholar | CnpLINKer | CrossRef | Ebsco Discovery Service | EBSCO Electronic Journal Service (EJS) | ExLibris Primo Central | Google Scholar | J-Gate | Naver | NSTL - National Science and Technology Libraries | OCLC WorldCat® | Oceanic Abstracts (ProQuest) | ProQuest Civil Engineering Abstracts | ProQuest Environmental Science Index | ProQuest Natural Science Collection (Earth, Atmospheric & Aquatic Science Database) | ProQuest Technology Collection (Engineering Database) | The Summon® Service | WanFang Data.

JOURNAL OF ENVIRONMENTAL ASSESSMENT POLICY AND MANAGEMENT (JEAPM)

<https://www.worldscientific.com/jeapm>



EDITOR-IN-CHIEF

Farhad Taghizadeh-Hesary
(Tokai University, Japan)



AIMS & SCOPE

This is an interdisciplinary, peer reviewed, international journal covering policy and decision-making relating to environmental assessment (EA) in the broadest sense. Uniquely, its specific aim is to explore the horizontal interactions between assessment and aspects of environmental management and decision-making, as well as the vertical interactions within the broad field of impact assessment. Ultimately, the journal aims at identifying comprehensive approaches to environmental improvement involving both qualitative and quantitative information. As the concepts associated with sustainable development mature, links between environmental assessment and management systems become all the more essential. The focus of the journal is on policy, procedures and law covering project and policy formulation, development and implementation, public participation and the institutional basis for EA. The journal aims to provide a forum for imaginative and creative thinking around the theoretical and empirical foundations of environmental assessment and management.



Abstracting/Indexing: Academic OneFile | Baidu | Business Source Complete | Biological Abstracts | BIOSIS Previews | Biomedical Reference Collection | CAB Abstracts | CNKI | CnpLINKer | Crossref | CSA Human Population and the Environment Abstracts | CSA Pollution Abstracts | CSA Selected Water Resources Abstracts | CSA Toxicology Abstracts | Dimensions | Ebsco Discovery Service | EBSCO Electronic Journal Service (EJS) | Environmental Abstracts (CSA) | Environment Index | Environmental Studies And Policy Collection | ExLibris Primo Central | Geobase | Google Scholar | GreenFILE | GREENR - Global Reference on the Environment, Energy, and Natural Resources | International Bibliography of the Social Sciences (IBSS) | J-Gate | Naver | NSTL - National Science and Technology Libraries | OCLC WorldCat® | Public Affairs Index (Ebsco) | RePERC | Scopus | The Summon® Service | WanFang Data.

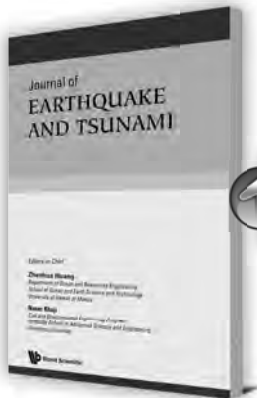
Submit your paper to these journals. Recommend them to your librarian!

For a **FREE** institutional trial or subscribe to these journals, please contact us at marketing@feelbooks.in

JOURNAL OF EARTHQUAKE AND TSUNAMI (JET)

<https://www.worldscientific.com/jet>

Indexed in Scopus | Indexed in WEB OF SCIENCE | Check out the FREE articles online! 



Impact factor **2.1** in the year 2023

INTERNATIONAL JOURNAL OF APPLIED MECHANICS (IJAM)

<https://www.worldscientific.com/ijam>

Indexed in Scopus | Indexed in WEB OF SCIENCE | Check out the FREE articles online! 



Impact factor **2.9** in the year 2023

INTERNATIONAL JOURNAL OF STRUCTURAL STABILITY AND DYNAMICS (IJSSD)

<https://www.worldscientific.com/ijssd>

Indexed in Scopus | Indexed in WEB OF SCIENCE | Check out the FREE articles online! 



Impact factor **3.0** in the year 2023

FOUNDING MANAGING EDITORS

Muneo Hori
(The University of Tokyo, Japan)

Fook-Hou Lee
(National University of Singapore, Singapore)

EDITORS-IN-CHIEF

Zhenhua Huang
(University of Hawaii at Manoa, USA)

Naser Khaji
(Hiroshima University, Japan)

AIMS & SCOPE

This journal provides a common forum for scientists and engineers working in the areas of earthquakes and tsunamis to communicate and interact with one another and thereby enhance the opportunities for such cross-fertilization of ideas. The Journal publishes original papers pertaining to state-of-the-art research and development in Geological and Seismological Setting; Ground Motion, Site and Building Response; Tsunami Generation, Propagation, Damage and Mitigation, as well as Education and Risk Management following an earthquake or a tsunami.

Abstracting/Indexing: Abstracting/Indexing: Academic OneFile | Baidu | CNKI Scholar | CnpLINKer | CrossRef | Ebsco Discovery Service | EBSCO Electronic Journal Service (EJS) | ExLibris Primo Central | Geobase | Google Scholar | Environmental Studies And Policy Collection | J-Gate | Journal Citation Reports/Science Edition | Naver | National Science and Technology Libraries (NSTL) | OCLC WorldCat® | ProQuest Environmental Science Index | ProQuest Meteorological & Geostrophysical Abstracts | ProQuest Technology Collection (Engineering Database) | Science Citation Index Expanded | Scopus | The Summon® Service.

EDITORS-IN-CHIEF

Zishun LIU *(Xi'an Jiaotong University, China)*

Tiejun WANG *(Xi'an Jiaotong University, China)*

EDITORS

Huajian GAO *(Brown University, USA)*

Tianjian LU *(Xi'an Jiaotong University, China)*

Zhigang SUO *(Harvard University, USA)*

EXECUTIVE EDITORS

Markus J. BUEHLER *(Massachusetts Institute of Technology, USA)*

Nick HILL *(University of Glasgow, UK.)*

Xiaoyu LUO *(University of Glasgow, UK)*

AIMS & SCOPE

In addition to cover the classical branches of applied mechanics, namely solid mechanics, fluid mechanics, thermodynamics, and material science, the journal encourages contributions from the newly emerging areas such as biomechanics, electromechanics, the mechanical behavior of advanced materials, nanomechanics, and many other interdisciplinary research areas in which the concepts of applied mechanics are extensively applied and developed. It explores analytical, computational and experimental progresses in all the above mentioned areas.

Abstracting/Indexing: Academic OneFile | Baidu | Civil Engineering Abstracts | CNKI | CnpLINKer | Compendex | CrossRef | Current Contents®/Engineering Computing and Technology | Ebsco Discovery Service | EBSCO Electronic Journal Service (EJS) | ExLibris Primo Central | Google Scholar | INSPEC | J-Gate | Journal Citation Reports/Science Edition | Naver | National Science and Technology Libraries (NSTL) | OCLC WorldCat® | Science Citation Index Expanded | Scopus | The Summon® Service.

EDITORS-IN-CHIEF

Y B Yang *(School of Civil Engineering, Chongqing University, China)*

C M Wang *(School of Civil Engineering, The University of Queensland, Australia)*

J N Reddy *(Department of Mechanical Engineering, Texas A&M University, USA)*

AIMS & SCOPE

The aim of this journal is to provide a unique forum for the publication and rapid dissemination of original research on stability and dynamics of structures. Papers that deal with conventional land-based structures, aerospace structures, marine structures, as well as biostructures and micro- and nano-structures are considered. Papers devoted to all aspects of structural stability and dynamics (both transient and vibration response), ranging from mathematical formulations, novel methods of solutions, to experimental investigations and practical applications in civil, mechanical, aerospace, marine, bio- and nano-engineering will be published.

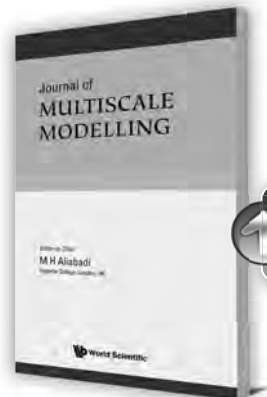
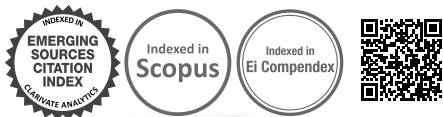
Abstracting/Indexing: Academic OneFile | Academic Search Complete/ Elite/ Premier | Baidu | Civil Engineering Abstracts | CNKI | CnpLINKer | Compendex | CrossRef | CSA Health and Safety Abstracts | Current Contents®/Engineering, Computing, and Technology | Ebsco Discovery Service | EBSCO Electronic Journal Service (EJS) | Engineering Source (Ebsco) | ExLibris Primo Central | Google Scholar | INSPEC | ISI Alerting Services | J-Gate | Journal Citation Reports/Science Edition | Mathematical Reviews | Naver | NSTL - National Science and Technology Libraries | OCLC WorldCat® | Science Citation Index Expanded | Scopus | The Summon® Service | Zentralblatt MATH.

Submit your paper to these journals. Recommend them to your librarian!

For a FREE institutional trial or subscribe to these journals, please contact us at marketing@feelbooks.in

JOURNAL OF MULTISCALE MODELLING (JMM)

<https://www.worldscientific.com/jmm>



Check out the FREE articles online!

Impact factor 1.0 in the year 2023

EDITOR-IN-CHIEF

M H Aliabadi (Imperial College London, UK)

AIMS & SCOPE

Multiscale Modelling is a relatively new research field which has in a short time had a significant impact on many scientific and engineering disciplines including material science, fluid dynamics, chemistry, and biology. In these areas problems are often multiphysics and have important features at multiple scales, particularly multiple spatial scales.

Multiscale Modelling is an international peer-reviewed journal that presents forefront fundamental works in the above field of research. It features timely scientific reports of advances in modelling and computation, theoretical breakthroughs and also contains interesting review articles about emerging issues.

Multiscale Modelling provides a common platform for exchange of views and presentation of original papers (theoretical, computational and experimental) with a general emphasis on Multiscale issues in this rapidly developing field. Papers reporting advancement of the theory and applications of single scale problems (i.e. Nano, Micro, etc.) which pave the way for multiscale implementation are also appropriate for the journal.

Abstracting/Indexing: Academic OneFile | Baidu | Chemical Abstracts Service | CNKI | CnpLINKer | Compendex | CrossRef | Ebsco Discovery Service | EBSCO Electronic Journal Service (EJS) | Emerging Sources Citation Index (ESCI) | ExLibris Primo Central | Google Scholar | J-Gate | Naver | National Science and Technology Libraries (NSTL) | OCLC WorldCat® | ProQuest SciTech Premium Collection | Scopus | The Summon® Service.

JOURNAL OF THEORETICAL AND COMPUTATIONAL ACOUSTICS (JTCA)

Formerly known as Journal of Computational Acoustics (JCA)

<https://www.worldscientific.com/jtca>



This Journal will be converted into a Transformative Journal from Jan 2022 onwards.

Impact factor 1.3 in the year 2023

CONSULTING EDITOR

Allan D. Pierce (Cape Cod Institute for Science and Engineering, USA)

CO-EDITORS-IN-CHIEF

Steffen Marburg (Technical University of Munich, Germany)

Sean F. Wu (Wayne State University, USA)

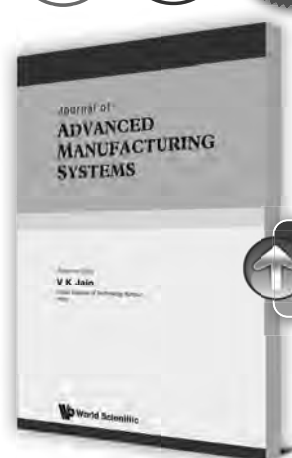
AIMS & SCOPE

Topics covered by this journal include research and tutorial contributions in OCEAN ACOUSTICS (a subject of active research in relation with sonar detection and the design of noiseless ships), SEISMO-ACOUSTICS (of concern to earthquake science and engineering, and also to those doing underground prospecting like searching for petroleum), AEROACOUSTICS (which includes the analysis of noise created by aircraft), COMPUTATIONAL METHODS, and SUPERCOMPUTING. In addition to the traditional issues and problems in computational methods, the journal also considers theoretical research acoustics papers which lead to large-scale scientific computations.

Abstracting/Indexing: Academic OneFile | Academic Search Complete/ Elite/ Premier | Baidu | CNKI Scholar | CnpLINKer | CompuMath Citation Index® | CrossRef | CSA Aquatic Sciences and Fisheries Abstracts (ASFA) | CSA Meteorological & Geostrophysical Abstracts | CSA Oceanic Abstracts | CSA Selected Water Resources Abstracts | Current Contents® Engineering, Computing and Technology | Ebsco Computer & Applied Science Complete | Ebsco Discovery Service | Ebsco Electronic Journal Service (EJS) | Ebsco Engineering Source | Ebsco Science & Technology Collection | ExLibris Primo Central | Google Scholar | ISI Alerting Services | J-Gate | Journal Citation Reports/ Science Edition | Mathematical Reviews®(MR) | Naver & etc.

JOURNAL OF ADVANCED MANUFACTURING SYSTEMS (JAMS)

<https://www.worldscientific.com/jams>



Impact factor 0.9 in the year 2023

EDITOR-IN-CHIEF

Dr V K Jain (Prof Retired) (Indian Institute of Technology Kanpur, India)

AIMS & SCOPE

Journal of Advanced Manufacturing Systems publishes original papers pertaining to the state-of-the-art research and development, product development, process planning, resource planning, applications and tools in the areas related to advanced manufacturing including advanced manufacturing technologies.

The journal addresses: Manufacturing Systems, Collaborative Design, Collaborative Decision Making, Product Simulation, In-Process Modeling, Resource Planning, Resource Simulation, Tooling Design, Planning and Scheduling, Virtual Reality Technologies and Applications, CAD/CAE/CAM Systems, Networking and Distribution, Supply Chain Management, Advanced Manufacturing Technologies.

Abstracting/Indexing: Academic OneFile | Baidu | Business Source Complete | Civil Engineering Abstracts | CNKI | CnpLINKer | Compendex | CrossRef | Ebsco Discovery Service | EBSCO Electronic Journal Service (EJS) | Emerging Sources Citation Index (ESCI) | Engineering Source (Ebsco) | ExLibris Primo Central | Geobase | Google Scholar | INSPEC | J-Gate | Naver | National Science and Technology Libraries (NSTL) | OCLC WorldCat® | ProQuest Technology Collection (Material Science & Engineering Database) | Scopus | The Summon® Service.

Submit your paper to these journals. Recommend them to your librarian!

For a **FREE** institutional trial or subscribe to these journals, please contact us at marketing@feelbooks.in

INTERNATIONAL JOURNAL OF RELIABILITY, QUALITY AND SAFETY ENGINEERING (IJRQSE)

<https://www.worldscientific.com/ijrqse>



Impact factor
0.9
in the year 2023

EDITOR-IN-CHIEF

Hoang Pham (*Rutgers University, USA*)

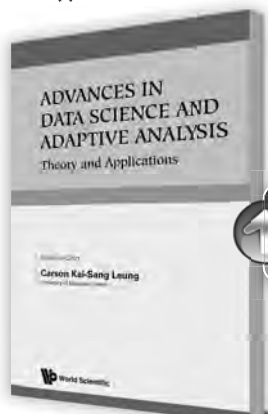
AIMS & SCOPE

IJRQSE is a refereed journal focusing on both the theoretical and practical aspects of reliability, quality, and safety in engineering. The journal is intended to cover a broad spectrum of issues in manufacturing, computing, software, aerospace, control, nuclear systems, power systems, communication systems, and electronics. Papers are sought in the theoretical domain as well as in such practical fields as industry and laboratory research. The journal is published six issues per year. It is intended to bridge the gap between the theoretical experts and practitioners in the academic, scientific, government, and business communities. Review articles and case studies are also welcome in addition to innovative works in all key areas of the journal.

Abstracting/Indexing: Academic OneFile | Baidu | Civil Engineering Abstracts | CNKI | CnpLINKer | Compendex | CrossRef | CSA Aquatic Sciences and Fisheries Abstracts (ASFA) | CSA Health and Safety Abstracts | CSA Risk Abstracts | CSA Selected Water Resources Abstracts | Ebsco Discovery Service | EBSCO Electronic Journal Service (EJS) | Emerging Sources Citation Index (ESCI) | Engineering Source (Ebsco) | ExLibris Primo Central | Geobase | Google Scholar | J-Gate | Naver | National Science and Technology Libraries (NSTL) | OCLC WorldCat® | ProQuest Technology Collection (Material Science & Engineering Database) | Scopus | The Summon® Service.

ADVANCES IN DATA SCIENCE AND ADAPTIVE ANALYSIS (ADSAA)

<https://www.worldscientific.com/adsaa>



Formerly known as Journal of **Advances in Adaptive Data Analysis (AADA)**

Impact factor
0.5
in the year 2023

EDITOR-IN-CHIEF

Carson Kai-Sang Leung (*University of Manitoba, Canada*)

AIMS & SCOPE

Advances in Data Science and Adaptive Analysis (ADSAA) is an interdisciplinary journal dedicated to reporting original research results on data analysis methodology developments and their applications, with a special emphasis on adaptive approaches. The mission of the journal is to elevate data analysis from one of routine data processing by traditional tools to a new scientific level, which encourages the development of innovative methods for data science and its scientific research and engineering applications.

Data are the direct record of an event, such as a rocket launch, a phenomenon, nature, or engineering processes. The record can be taken by our eyes, ears, electronic sensors, or mechanical devices. We analyze the data, detect signals and make decisions. Thus, data are connections between reality and us, and data analysis is for us to understand the reality and to find out its underlying driving mechanism. In this sense, data analysis is very different from data processing. The former emphasizes detailed decomposition and examinations of the data to extract physical understanding, while the latter often relies on established algorithms and machines to output values of mathematical parameters.

Abstracting/Indexing: Academic OneFile | Baidu | CNKI | CnpLINKer | Compendex | Computer & Information Systems Abstracts | CrossRef | DBLP Computer Science Bibliography | Ebsco Discovery Service | EBSCO Electronic Journal Service (EJS) | Emerging Sources Citation Index (ESCI) | ExLibris Primo Central | Google Scholar | J-Gate | Mathematical Reviews® (MR) / MathSciNet® | Naver | NSTL - National Science and Technology Libraries | OCLC WorldCat® | ProQuest Technology Collection (Advanced Technologies Database with Aerospace) | The Summon® Service | Zentralblatt MATH.

INTERNATIONAL JOURNAL ON SMART AND SUSTAINABLE CITIES (IJSSC)

<https://www.worldscientific.com/ijssc>



EDITOR-IN-CHIEF

Alexander Zehnder (*Nanyang Technological University, Singapore*)

AIMS & SCOPE

The *International Journal on Smart and Sustainable Cities* is a biannual publication which aims to provide a platform for global inter-disciplinary research that is at the nexus of urban science and technology, sustainable development, urban planning and resilience, with a focus on the Asia-Pacific region. It accepts high-quality research papers, review papers, insights, and opinions from practitioners and policy makers in, but not limited to, the following topics:

- complexity science for cities
- application of digital humanities and citizen science to address city challenges
- the use of emerging technology such as artificial intelligence, big data, advancements in modelling and visualization, cloud computing, and/or Internet of Things to enhance liveability, sustainability, restorative, regenerative and/or wellbeing benefits in urban systems such as food, energy, water, etc.
- the development of human-centric infrastructure in cities
- the adoption of multi-stakeholder approach to anticipate and tackle emerging urban challenges
- sustainable development in cities, including on aspects of energy, urban greenery, mobility, planning, architecture, real estate, financing, governance, etc.
- other related topics

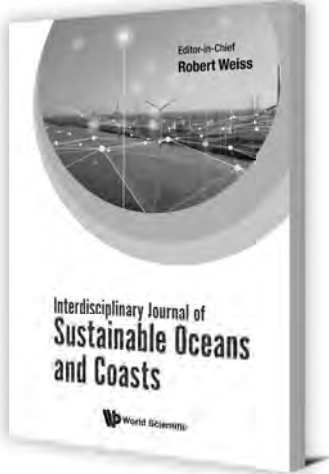
Abstracting/Indexing: Baidu | CNKI Scholar | CnpLINKer | Crossref | Dimensions | Ebsco Discovery Service | EBSCO Electronic Journal Service (EJS) | ExLibris Primo Central | Google Scholar | J-Gate | Naver | NSTL - National Science and Technology Libraries | OCLC WorldCat® | The Summon® Service.

Submit your paper to this journal. Recommend IJSOC to your librarian!

For a FREE institutional trial or subscribe to these journals, please contact us at marketing@feelbooks.in

INTERDISCIPLINARY JOURNAL OF SUSTAINABLE OCEANS AND COASTS (IJSOC)

<https://www.worldscientific.com/ijsoc>



Check out the FREE articles online!



EDITOR-IN-CHIEF
Robert Weiss
(Virginia Tech, USA)

Abstracting/Indexing: Baidu | CNKI Scholar | CnpLINKer | Crossref | Dimensions | Ebsco Discovery Service | EBSCO Electronic Journal Service (EJS) | ExLibris Primo Central | Google Scholar | J-Gate | Naver | NSTL - National Science and Technology Libraries | OCLC WorldCat® | The Summon® Service.

AIMS & SCOPE

The *Interdisciplinary Journal of Sustainable Oceans and Coasts* (IJSOC) is an international open-access online journal interrogating the interactions of earth systems in oceans and coastal zones.

IJSOC will publish original research, reviews and perspective articles that aim to increase our understanding of the world's complex oceans and the coastal zones that connect them to related land-based systems. In particular, it is intended that the articles published by the IJSOC community may help to develop and inspire action supporting the UN Sustainable Development Goals. Safeguarding and augmenting the well-being of our oceans and coasts is imperative for our sustainable future, and so it is necessary to take collective action in order to make meaningful progress.

The sensitive interfaces between the vast, hidden expanses of the ocean and the diverse array of terrestrial landforms make up the coastal zone. Coastal zones are defined as the area over land impacted by processes starting over the oceans and the area over the ocean influenced by processes that start over land. In the context of earth systems, these processes are natural but can also be social, economic, political, public health, and security related. Marine and coastal zone processes influence the life of every human being either directly or indirectly through cascading consequences within the coupled human-natural earth system.

WORLD SCIENTIFIC JOURNALS

Over 170 titles

Covering 11 diverse subject areas

- ◆ Chemistry
- ◆ Computer Science
- ◆ Economics, Finance & Management
- ◆ Engineering
- ◆ Environmental Science
- ◆ Materials Science
- ◆ Mathematics
- ◆ Medical and Life Sciences
- ◆ Nonlinear Science
- ◆ Physics
- ◆ Social Sciences

Register on worldscientific.com today

and check out the free contents available exclusively for registered users!

Bestselling Backlist for Engineering

TITLE	AUTHOR	AuthorAffl	ISBN13	PUB DATE	US\$	£
WATER WAVE MECHANICS FOR ENGINEERS AND SCIENTISTS	DALRYMPLE ROBERT A ET AL	UNIV OF DELAWARE, USA	9789810204211(pbk)	01-Jan-91	49	41
INTRODUCTION TO COASTAL ENGINEERING AND MANAGEMENT (THIRD EDITION)	KAMPHUIS J WILLIAM	QUEEN'S UNIV, CANADA	9789811208980(pbk)	08-Jun-20	58	50
MECHANICS OF COASTAL SEDIMENT TRANSPORT	FREDSOE JORGEN & DEIGAARD ROLF	TECHNICAL UNIV OF DENMARK	9789810208417(pbk)	01-Nov-92	49	41
CONSTRUCTION TECHNOLOGY FOR TALL BUILDINGS (FIFTH EDITION)	CHEW MICHAEL YIT LIN	NUS, S'PORE	9789813220683(pbk)	13-Jul-17	98	81
PRACTICAL RAILWAY ENGINEERING (2ND EDITION)	BONNETT CLIFFORD FREDERICK	RETIRED, IMPERIAL COLLEGE LONDON, UK	9781860945151	10-Jun-05	83	69
RANDOM SEAS AND DESIGN OF MARITIME STRUCTURES (3RD EDITION)	GODA YOSHIMI	YOKOHAMA NAT'L UNIV, JAPAN	9789814282390	24-Jun-10	160	133
RANDOM SEAS AND DESIGN OF MARITIME STRUCTURES (3RD EDITION)	GODA YOSHIMI	YOKOHAMA NAT'L UNIV, JAPAN	9789814282406(pbk)	24-Jun-10	78	65
MATHEMATICS OF NATURAL CATASTROPHES, THE	WOO GORDAN	CATASTROPHE MANAGEMENT, EQECAT, UK	9781860941825	18-Oct-99	109	95
COASTAL BOTTOM BOUNDARY LAYERS AND SEDIMENT TRANSPORT	NIELSEN P	UNIV OF QUEENSLAND, AUSTRALIA	9789810204730(pbk)	01-Jul-92	49	41
APPLIED DYNAMICS OF OCEAN SURFACE WAVES, THE	MEI CHIANG C	MASSACHUSETTS INST OF TECH, USA	9789971507893(pbk)	01-Jul-89	38	32
SAVING AMERICA'S BEACHES: THE CAUSES OF AND SOLUTIONS TO BEACH EROSION	DOUGLASS S L	UNIV OF SOUTH ALABAMA, USA	9789812380975(pbk)	12-Aug-02	52	43
SCIENCE OF STRUCTURAL ENGINEERING, THE	HEYMAN J	UNIV OF CAMBRIDGE	9781860941894(pbk)	23-Nov-99	49	41
BEACH NOURISHMENT: THEORY AND PRACTICE	DEAN ROBERT G	UNIV OF FLORIDA, USA	9789810215484(pbk)	24-Jan-03	54	45
MECHANICS OF SCOUR IN THE MARINE ENVIRONMENT, THE	SUMER B M & FREDSOE J	TECHNICAL UNIV OF DENMARK, DENMARK	9789810249304	23-Apr-02	92	76
GUIDE TO MODELING COASTAL MORPHOLOGY, A	ROELVINK DANO ET AL	UNESCO-IHE & DELTARES, THE NETHERLANDS	9789814304252	03-Nov-11	120	100
HANDBOOK OF COASTAL AND OCEAN ENGINEERING (EXPANDED EDITION) (IN 2 VOLUMES)	KIM YOUNG C	CALIFORNIA STATE UNIV, USA	9789813204010	22-Dec-17	538	473

Proceedings

TITLE	AUTHOR	AuthorAffl	ISBN13	PUB DATE	US\$	£
PROCEEDINGS OF THE COASTAL SEDIMENTS 2023, THE (IN 5 VOLUMES)	UNIV OF SOUTH FLORIDA, USA	WANG PING ET AL	9789811279898	27-Jun-23	1180	1085
COASTAL SEDIMENTS 2019 - PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE	UNIV OF SOUTH FLORIDA, USA	WANG PING ET AL	9789811204487	17-May-19	1882	1730
ASIAN AND PACIFIC COASTS 2017 - PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON APAC 2017	SEOUL NATIONAL UNIV, KOREA	SUH KYUNG-DUCK ET AL	9789813233812	21-Sep-17	549	485
CIVIL ENGINEERING AND URBAN PLANNING - PROCEEDINGS OF THE 5TH INTERNATIONAL CONFERENCE ON CIVIL ENGINEERING AND URBAN PLANNING (CEUP2016)	UNIV PARIS-EST, FRANCE	MEBARKI AHMED	9789813225237	06-Jun-17	795	700
PROCEEDINGS OF THE COASTAL SEDIMENTS 2015, THE	UNIV OF SOUTH FLORIDA, USA	ROSATI JULIE D, WANG PING & CHENG JUN	9789814689977	23-Apr-15	1882	1560
COASTAL STRUCTURES 2011 - PROCEEDINGS OF THE 6TH INTERNATIONAL CONFERENCE (IN 2 VOLUMES)	PORT AND AIRPORT RES INST, JAPAN	TAKAHASHI SHIGEO ET AL	9789814412216	08-Apr-13	917	805

TITLE INDEX



Tick the titles and email to marketing@feelbooks.in to recommend to your librarian.

✓	Title	Page
	ADVANCED WIND TURBINES	4
	BUILDING A BODY OF KNOWLEDGE IN PROJECT MANAGEMENT IN DEVELOPING COUNTRIES	4
	COASTAL MANAGEMENT IN THE FACE OF CLIMATE CHANGE	8
	CONSTRUCTION TECHNOLOGY FOR TALL BUILDINGS (6TH EDITION)	
	DESIGN FOR SIX SIGMA FOR ENGINEERS	5
	FACILITIES PLANNING AND DESIGN: AN INTRODUCTION FOR FACILITY PLANNERS, FACILITY PROJECT MANAGERS AND FACILITY MANAGERS (SECOND EDITION)	5
	FRANK LLOYD WRIGHT AND JAPAN REVISITED: TRADITIONAL JAPANESE CULTURE AS A MEANS TO MODERN AMERICAN ARCHITECTURE	7
	HANDBOOK ON MECHANICS OF INELASTIC SOLIDS (IN 2 VOLUMES)	6
	HYDRODYNAMICS OF WAVE-VEGETATION INTERACTIONS	8
	INTRODUCTION OF SUPER-SPEED RAIL	10
	INTRODUCTION TO EMERGING FIELDS IN MATERIALS SUSTAINABILITY	5
	INTRODUCTION TO INTELLIGENT HIGH-SPEED RAILWAYS	10
	INTRODUCTION TO INTERFACES AND COLLOIDS, AN: THE BRIDGE TO NANOSCIENCE (SECOND EDITION)	7
	INTRODUCTION TO WORKPLACE SAFETY AND HEALTH MANAGEMENT: A SYSTEMS THINKING APPROACH (THIRD EDITION)	6
	ISOGEOMETRIC ANALYSIS FOR ENGINEERS VIA MATLAB	6
	LARGE DIAMETER SHIELD TUNNELING TECHNOLOGY	9
	MAINTAINABILITY OF FACILITIES: SUSTAINABLE FM FOR BUILDING PROFESSIONALS (3RD EDITION)	4
	MANAGING INFRASTRUCTURE PROJECTS (SECOND EDITION)	4
	MECHANICS OF MATERIALS: A FRIENDLY APPROACH	7
	NEXT-GENERATION CITIES: AN ENCYCLOPEDIA (IN 4 VOLUMES)	4
	NONLINEAR FINITE ELEMENT METHODS: EXTREME AND ACCIDENTAL CONDITIONS	5
	NONLOCAL CONTINUUM DAMAGE AND PLASTICITY: THEORY AND COMPUTATIONS	6
	NUMERICAL MODELING OF WATER WAVES IN COASTAL AND OCEAN ENGINEERING	8
	ON BRIDGES: SELECTED WORKS OF MAN-CHUNG TANG	9
	PRACTICAL DESIGN GUIDE FOR COASTAL RUBBLE MOUND STRUCTURES, A	8
	PRACTICAL GUIDE TO OPENSEES, A	7
	SMART CITY 2.0: STRATEGIES AND INNOVATIONS FOR CITY DEVELOPMENT	5
	SMART STRUCTURES: FROM CONCEPTS TO APPLICATIONS	9
	TENSOR ALGEBRA AND ANALYSIS FOR ENGINEERS: WITH APPLICATIONS TO DIFFERENTIAL GEOMETRY OF CURVES AND SURFACES	7
	THE SELECTED WORKS OF RODERICK S C WONG (VOLUME 4)	7
	TRAFFIC FLOW MODELING AND SIMULATION: A PRACTICAL APPROACH	9
	TRILLION DOLLAR STAKE OF CARBON NEUTRALITY, THE: ENERGY INFRASTRUCTURES IN HONG KONG AND THE GREATER BAY AREA	6
	URBAN GREENING TECHNIQUES: AN INTRODUCTION	8
	URBAN TRAFFIC ENGINEERING AND STREETScape DESIGN	9

Engineering E-Book Collection

At World Scientific we offer flexible purchasing models to help meet our customers' needs. You can purchase our engineering books in a subject collection or, if you prefer, use our Pick and Choose option. Our engineering collection is just one part of our full e-books list – a list which now stands at over 10,000 titles!

Purchase Options

Collection	List Price (US\$)	List Price (GBP)	Discounted Price	Pick and Choose	Discount
2024	10,900	7,200	Contact us for a quote	US\$2,000 – US\$10,000	10% discount
1981–2023	219,000	184,200		>US\$10,000	15% discount

Why purchase our Engineering Collection?

- ◆ Content written by renowned experts in the various Engineering sub-fields
- ◆ A great resource of monographs, review papers and conference proceedings
- ◆ A wide range of topics covering all aspects of the Engineering ambit
- ◆ Generous discounts when buying a collection
- ◆ Indexed in EBSCO Discovery Services, WorldCat/OCLC, CNKI
- ◆ Electronic archiving with Portico

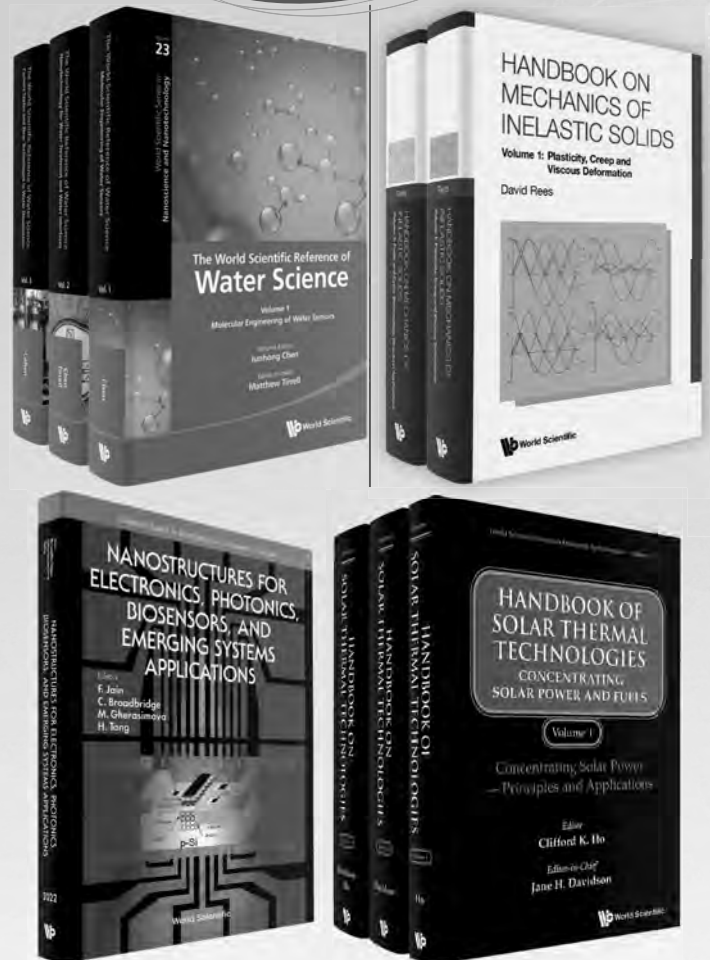
Main features of our E-Books:

- ◆ Perpetual access model
- ◆ No minimum purchase required
- ◆ DRM-free content
- ◆ 24 x 7 access for unlimited concurrent users

Additionally, your library will enjoy

- ◆ A fully integrated platform to search across e-journals, e-archives and e-books
- ◆ MARC records for easy integration to OPAC
- ◆ Counter-compliant usage statistics
- ◆ No hosting fees

Contact us today for a FREE trial



For prices and title listing, please refer to <https://www.worldscientific.com/page/librarians>



WORLD SCIENTIFIC *the exclusive publisher of*

OVER 100 TITLES BY NOBEL LAUREATES

AND ON THE NOBEL PRIZES



“Browse the collection of books by Nobel Laureates”
<https://www.worldscientific.com/page/nobeltitles>



ENRICH YOUR LIBRARY’S COLLECTION

RECOMMEND THESE BOOKS AND JOURNALS TO YOUR LIBRARIAN

RECOMMEND TO YOUR LIBRARIAN!

For orders or enquiries, please contact any of our offices below or visit us at: www.worldscientific.com

• NORTH & SOUTH AMERICA

World Scientific Publishing Co. Inc. Fax: 1-201-487-9656 Tel: 1-201-487-9655 Email: wspc_us@wspc.com

• EUROPE & THE MIDDLE EAST

World Scientific Publishing (UK) Ltd. (Journals) Tel: +44 020 7836 0888 Email: sales@wspc.co.uk
 (Books) Tel: +44 (0)1752 202301 Email: IPStUK.Customercare@ingramcontent.com

• ASIA & THE REST OF THE WORLD

World Scientific Publishing Co. Pte. Ltd. Fax: 65 6467 7667 Tel: 65 6466 5775 Email: sales@wspc.com.sg

* Prices subject to change without prior notice

How Do You Collect Ideas of Leading Thinkers in **Engineering** in One Neat Package?

Top Engineering Publishing Programme with **Renowned** Authors in various fields including Aerospace, Biomedical, Chemical, Computer, Civil, Electrical & Electronics, Industrial, Mechanical, Coastal and Systems Engineering.



Highly Recommended and **Bestselling** Engineering Titles **Specially** Tailored For Your Scholarly Needs.

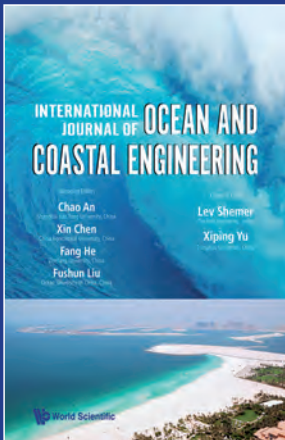
All the major disciplines of Engineering

Seamless delivery of Premier Academic Content

From an independent publisher of **Leading Thinkers** in Engineering

WORLD SCIENTIFIC JOURNALS AT <https://www.worldscientific.com/page/wsjournals>

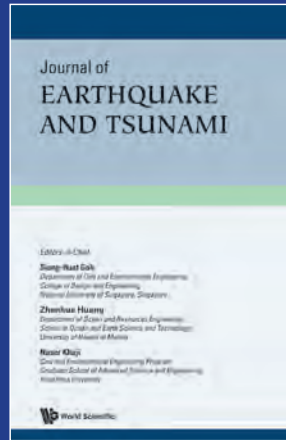
page 10



page 10



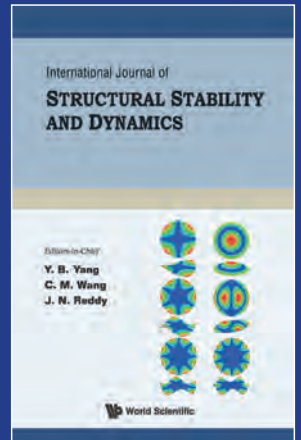
page 11



page 11



page 11



page 12



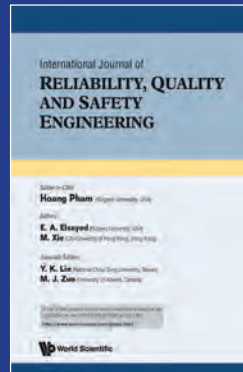
page 12



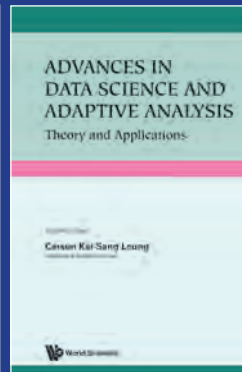
page 12



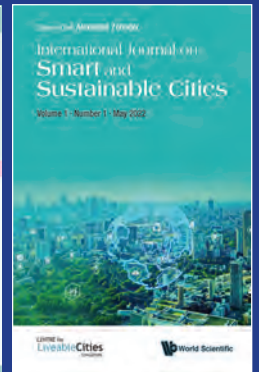
page 13



page 13



page 13



For orders and enquiries, please contact us:



FEELBOOKS PVT. LTD.

DELHI 4381/4 Ansari Road, Daryaganj, New Delhi 110002

Pushendra Kumar Mobile: +91 9015043442

Tel: +91-11-47472630

Email: orders@feelbooks.in

BENGALURU C-22, Brigade MM, KR Road, Jayanagar 7th Block, Bengaluru 560070

Shekar Reddy Mobile: +91 9945234476

Tel: +91-80-26762129

Email: bangalore@feelbooks.in

MUMBAI Vijay Kumar Mobile: +91 9871176434

Email: vkumar@feelbooks.in

CHENNAI G Srinivasan Mobile: +91 9003047502

Email: gsrinivasan@feelbooks.in

KOLKATA Dhruvajyoti Bhattacharjee Mobile: +91 9836160013

Email: dbhattacharjee@feelbooks.in

HYDERABAD K.S.Vishwanath Mobile: +91 9871745850

Email: kvishwanath@feelbooks.in

For Catalogues & title lists: marketing@feelbooks.in



www.feelbooks.in

