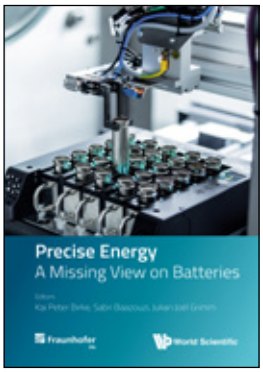
Electrical and Electronics Engineering 2026

AVAILABLE IN PRINT AND DIGITAL

Highlights

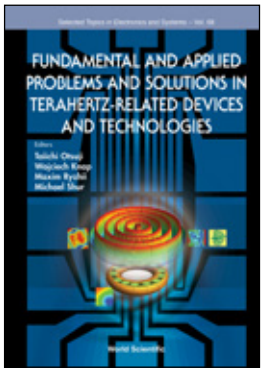
Electrical and Electronics Engineering Catalogue 2026

page 4



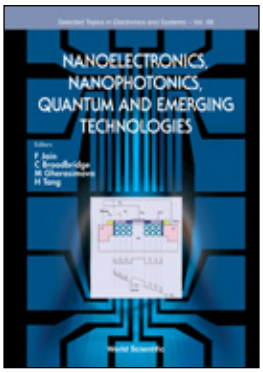
edited by **Kai Peter Birke** *(University of Stuttgart, Germany & Fraunhofer Institute for Manufacturing Engineering and Automation, Germany)*, **Sabri Baazouzi** *(Fraunhofer Institute for Manufacturing Engineering and Automation, Germany)* & **Julian Joël Grimm** *(Fraunhofer Institute for Manufacturing Engineering and Automation, Germany)*

page 4



edited by **Taiichi Otsuji** *(Tohoku University, Japan)*, **Wojciech Knap** *(Polish Academy of Sciences, Poland)*, **Maxim Ryzhii** *(University of Aizu, Japan)* & **Michael Shur** *(Rensselaer Polytechnic Institute, USA)*

page 4



edited by **F Jain** *(University of Connecticut, USA)*, **C Broadbridge** *(Southern Connecticut State University, USA)*, **M Gherasimova** *(University of Bridgeport, USA)* & **H Tang** *(Yale University, USA)*

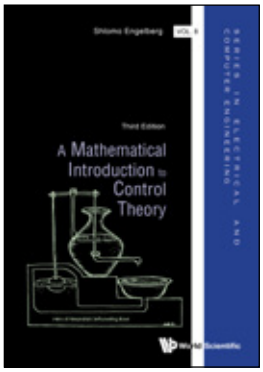
page 4

by **Jerzy Ruzyllo** *(Penn State University, USA)*

page 4

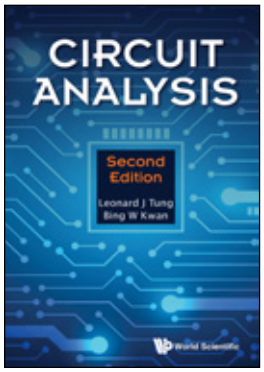
edited by **Guozhen Shen** *(Beijing Institute of Technology, China)* & **Yang Li** *(University of Jinan, China)*

page 5



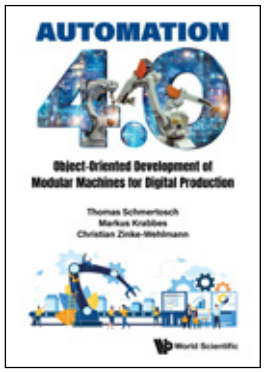
by **Shlomo Engelberg** *(Jerusalem College of Technology, Israel)*

page 5



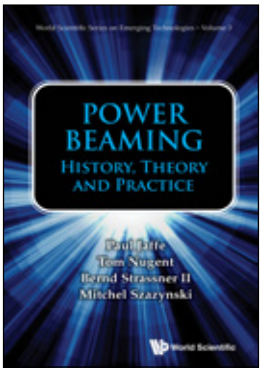
by **Leonard J Tung** & **Bing W Kwan** *(Florida State University, USA)*

page 5



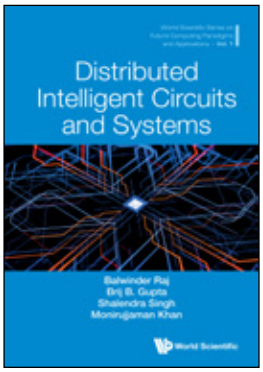
by **Thomas Schmertosch** *(Leipzig University of Applied Sciences, Germany)*, **Markus Krabbes** *(Merseburg University of Applied Sciences, Germany)* & **Christian Zinke-Wehlmann** *(Institute for Applied Informatics at the Leipzig University, Germany)*

page 5



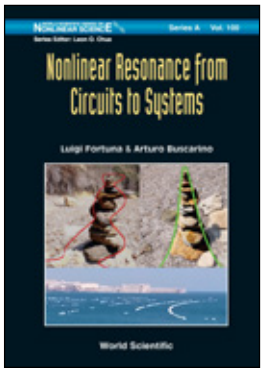
by **Paul Jaffe** *(US Naval Research Laboratory, USA)*, **Tom Nugent** *(PowerLight Technologies, USA)*, **Bernd Strassner II** *(Massive Light LLC, USA)* & **Mitchel Szazynski** *(Virtus Solis Technologies, USA)*

page 6



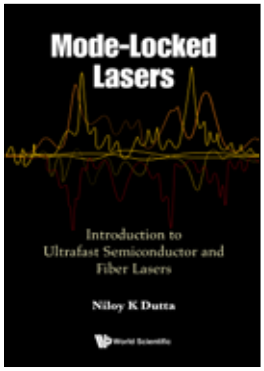
edited by **Balwinder Raj** *(Dr B R Ambedkar National Institute of Technology, India)*, **Brij B Gupta** *(Asia University, Taiwan)*, **Shalendra Singh** *(Pranveer Singh Institute of Technology, India)* & **Monirujjaman Khan** *(North South University, Bangladesh)*

page 6



by **Luigi Fortuna** & **Arturo Buscarino** *(University of Catania, Italy)*

page 6



by **Niloy K Dutta** *(University of Connecticut, USA)*

Electrical and Electronics Engineering

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 180 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**

How to Order

Please contact our representatives and the World Scientific office nearest to you.

You can also order online at **www.worldscientific.com** or from your regular bookseller.

Textbook Inspection Copies

These are available upon request to lecturers for textbook adoption purposes. Please email us at **sales@wspc.com** or visit our website at **www.worldscientific.com/page/inspection-copy**

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 2026. Email us at **mkt@wspc.com** to request for any of them.

- Asian Studies
- Business and Management
- Chemistry
- Civil Engineering
- Computer Science
- Earth, Energy and Environmental Science
- Economics and Finance
- Life Sciences
- Mathematics
- Materials Science and Nanoscience
- Mechanical Engineering
- Medical Sciences
- 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 **mkt@wspc.com** with **"Electrical & Electronics Engineering"** in the subject line.

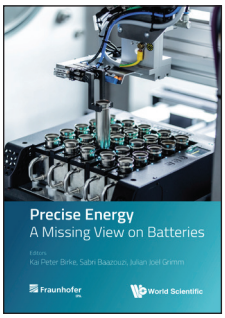
CONTENTS

Circuits, Electronics and Semiconductors

PRECISE ENERGY

A Missing View on Batteries

edited by **Kai Peter Birke** *(University of Stuttgart, Germany & Fraunhofer Institute for Manufacturing Engineering and Automation, Germany)*, **Sabri Baazouzi** *(Fraunhofer Institute for Manufacturing Engineering and Automation, Germany)* & **Julian Joël Grimm** *(Fraunhofer Institute for Manufacturing Engineering and Automation, Germany)*



This book deduces in detail the future options for energy density enhancement of rechargeable battery cells and complete batteries. It connects rechargeability to energy density limits and gives a detailed argumentation on how and when battery energy densities will achieve their inherent limits.

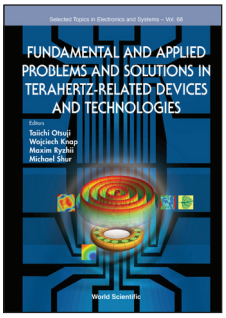
Readership: Researchers, postgraduate and advanced undergraduate students, industry professionals, specialising in battery cell R&D and manufacturing, as well as governments and civil servants who wish to understand the topic.

300pp	**May 2025**	
978-981-128-204-1	**US$108**	**£100**
978-981-128-205-8(ebook)	**US$173**	**£160**

Selected Topics in Electronics and Systems - Vol 69

FUNDAMENTAL AND APPLIED PROBLEMS AND SOLUTIONS IN TERAHERTZ-RELATED DEVICES AND TECHNOLOGIES

edited by **Taiichi Otsuji** *(Tohoku University, Japan)*, **Wojciech Knap** *(Polish Academy of Sciences, Poland)*, **Maxim Ryzhii** *(University of Aizu, Japan)* & **Michael Shur** *(Rensselaer Polytechnic Institute, USA)*



The unique compendium provides a broad up-to-date perspective on THz science and technology — enabling technology for 6G communication, detection of biological and chemical hazardous agents, cancer detection, monitoring of industrial processes and products, and detection of mines and explosives.

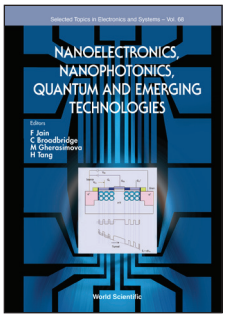
Readership: Researchers, professionals, academics and graduate students in electrical and electronic engineering, nanotechnology and condensed matter physics.

200pp	**May 2025**	
978-981-128-680-3	**US$88**	**£80**
978-981-128-681-0(ebook)	**US$141**	**£130**

Selected Topics in Electronics and Systems - Vol 68

NANOELECTRONICS, NANOPHOTONICS, QUANTUM AND EMERGING TECHNOLOGIES

edited by **F Jain** *(University of Connecticut, USA)*, **C Broadbridge** *(Southern Connecticut State University, USA)*, **M Gherasimova** *(University of Bridgeport, USA)* & **H Tang** *(Yale University, USA)*



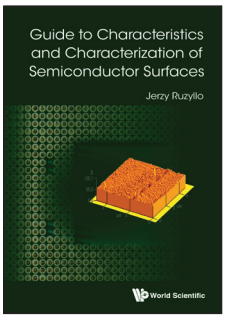
This timely compendium provides state-of-the-art articles covering research areas in Nanoelectronics, Nanophotonics, Quantum and Emerging Technologies.

Readership: Researchers, professionals, academics and graduate students in electrical and electronic engineering and nanoelectronics.

296pp	**Jan 2025**	
978-981-129-741-0	**US$108**	**£100**
978-981-129-742-7(ebook)	**US$173**	**£160**

GUIDE TO CHARACTERISTICS AND CHARACTERIZATION OF SEMICONDUCTOR SURFACES

by **Jerzy Ruzyllo** *(Penn State University, USA)*



This comprehensive compendium explores aspects of semiconductor surface characteristics and characterization from the perspective of applied semiconductor device research and process development, rather than an in-depth coverage of surface science related issues. It provides guidance on the features of semiconductor surfaces affecting performance of the practical semiconductor devices, as well as selection of methods used to characterize those features.

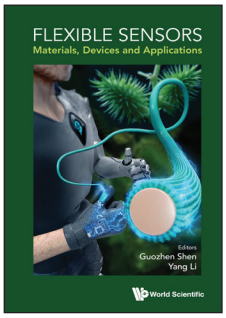
Readership: Researchers, industry professionals, and graduate students in electronics, photonics, materials engineering, microelectronics and nanotechnology interested in broadening their knowledge of semiconductor surface technology.

220pp	**Apr 2025**	
978-981-125-481-9	**US$88**	**£80**
978-981-125-482-6(ebook)	**US$141**	**£130**

FLEXIBLE SENSORS

Materials, Devices and Applications

edited by **Guozhen Shen** *(Beijing Institute of Technology, China)* & **Yang Li** *(University of Jinan, China)*



This comprehensive volume systematically presents the research progress of flexible sensors in materials, devices, and applications.

Readership: Researchers, professionals, academics, undergraduate and graduate students in electrical & electronic engineering, materials engineering and microelectronics.

400pp	**May 2025**	
978-981-126-685-0	**US$138**	**£125**
978-981-126-686-7(ebook)	**US$221**	**£205**

FUSING THE APPLICATION OF RADIATION IMAGING TECHNOLOGY WITH AI

From Theory to Reality

edited by **Zhiqiang Chen** *(Tsinghua University, China)*

This title captures the wide application of state-of-the-art radiation imaging technologies and their integration with emerging technologies like Robotics and Artificial Intelligence to help deliver security solutions in various organisations.

Readership: Industry practitioners, academics/researchers, government agencies.

260pp	**Feb 2026**	
978-981-129-446-4	**US$98**	**£90**
978-981-129-447-1(ebook)	**US$157**	**£145**

TRIBO-ELECTROSTATICS

Fundamentals, Challenges and Perspectives

by **Lucian Dascalescu** *(University of Poitiers, France)*, **Mihai Lungu** *(West University of Timisoara, Romania)* & **Thami Zeghloul** *(University of Poitiers, France)*

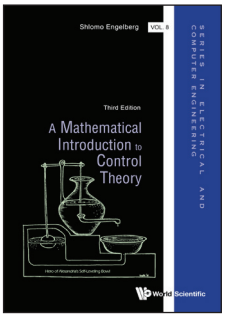
Tribo-Electrostatics: Fundamentals, Challenges and Perspectives synthetically presents the state of the art in the field and reflects the authors' experience in the study of tribo-charging phenomena, as well as in the development of novel industrial applications.

Readership: Advanced undergraduate and graduate students in Applied Physics and Engineering, researchers and practitioners in the fields of electrostatic processes and tribology, teachers of general physics at high-school or college level.

200pp	**Jan 2026**	
978-981-123-602-0	**US$88**	**£80**
978-981-123-603-7(ebook)	**US$141**	**£130**

Series in Electrical and Computer Engineering - Vol 8

A MATHEMATICAL INTRODUCTION TO CONTROL THEORY



3rd Edition

by **Shlomo Engelberg** *(Jerusalem College of Technology, Israel)*

Review of the 2nd Edition:

"The book is an excellent introduction to classical control theory, based on frequency domain approach, modern control theory based on time domain approach, and nonlinear control and control of hybrid systems. The use of MATLAB will be beneficial to the students, undergraduate and graduate level. The readers are expected to know complex variable theory, differential equations and elementary modern algebra for using this book. It will serve elements of control theory, to both mathematicians and engineers, in a very systematic, rigorous manner."

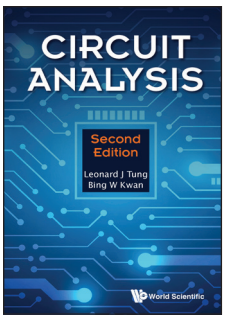
Zentralblatt MATH

With over 90 solved homework problems and about 200 figures, this invaluable title will benefit junior and senior level university students in engineering.

Readership: Professionals, academics, researchers and graduate students in electrical engineering, computer engineering, mechanical engineering and aeronautical engineering.

484pp	**May 2024**	
978-1-80061-554-0	**US$108**	**£100**
978-1-80061-555-7(ebook)	**US$173**	**£160**

CIRCUIT ANALYSIS



2nd Edition

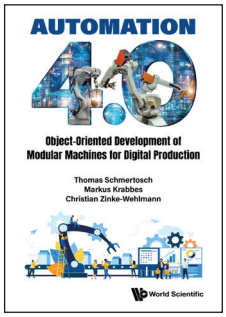
by **Leonard J Tung** & **Bing W Kwan** *(Florida State University, USA)*

This unique compendium gives a complete, concise and rigorous treatment of virtually all the essential topics typically included in most textbooks for undergraduate students majoring in electrical and computer engineering. These topics include basic circuit elements, fundamental circuit laws, theorems and efficient analysis techniques to solve a large class of linear circuits energized by a wide scope of electrical sources.

Readership: Undergraduates in electrical & electronic engineering and computer engineering.

300pp	**Dec 2025**	
978-981-3277-15-1	**US$78**	**£70**
978-981-3277-16-8(ebook)	**US$125**	**£115**

AUTOMATION 4.0



Object-Oriented Development of Modular Machines for Digital Production

by **Thomas Schmertosch** *(Leipzig University of Applied Sciences, Germany)*, **Markus Krabbes** *(Merseburg University of Applied Sciences, Germany)* & **Christian Zinke-Wehlmann** *(Institute for Applied Informatics at the Leipzig University, Germany)*

This book presents solution strategies that address the additional demands of modularization on the structure and component selection of automation systems flexibly, sustainably and with minimal engineering effort. These include aspects of real-time capability as well as machine safety and the selection of a suitable fieldbus, human–machine communication and the ability to interact in digital production. Finally, the topics of AI-supported quality assurance, simulation and digital twins are also addressed and the current state of research on the interaction of Industry 4.0 components is conveyed.

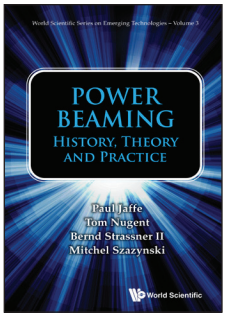
The book offers a comprehensive overview of the development of sustainable machines, particularly in terms of cost-effectiveness for very small batch sizes. It is not only for students of automation technology and mechatronics, but also for industrial, development and design engineers.

Readership: Students of automation technology, mechatronics and industrial engineering with a focus on electrical engineering/ automation as well as for development and design engineers in those fields.

352pp	**Mar 2025**	
978-981-129-701-4	**US$118**	**£110**
978-981-129-702-1(ebook)	**US$189**	**£175**

World Scientific Series on Emerging Technologies: Avram Bar-Cohen Memorial Series - Vol 5

POWER BEAMING



History, Theory, and Practice

by **Paul Jaffe** *(US Naval Research Laboratory, USA)*, **Tom Nugent** *(PowerLight Technologies, USA)*, **Bernd Strassner II** *(Massive Light LLC, USA)* & **Mitchel Szazynski** *(Virtus Solis Technologies, USA)*

Power beaming is the ability to move energy without moving or employing mass between an energy input and energy output. It is an emerging technology that could reshape how we generate and distribute energy and how our devices and autonomous systems are powered.

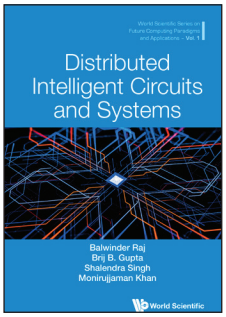
This comprehensive compendium provides the foundation needed for researchers, technology developers, and end users to understand the promise and challenges for power beaming. By establishing a common nomenclature and conceptual approach to the analysis and assessment of power beaming systems, this unique reference text provides a true status of advancements in the field, and lays the groundwork for fruitful future research and applications.

Readership: Professionals, researchers, academics and graduate students in electrical & electronic engineering.

420pp	**Jul 2024**	
978-981-124-310-3	**US$148**	**£135**
978-981-124-311-0(ebook)	**US$237**	**£220**

World Scientific Series on Future Computing Paradigms and Applications - Vol 3

DISTRIBUTED INTELLIGENT CIRCUITS AND SYSTEMS



edited by **Balwinder Raj** *(Dr B R Ambedkar National Institute of Technology, India)*, **Brij B Gupta** *(Asia University, Taiwan)*, **Shalendra Singh** *(Pranveer Singh Institute of Technology, India)* & **Monirujjaman Khan** *(North South University, Bangladesh)*

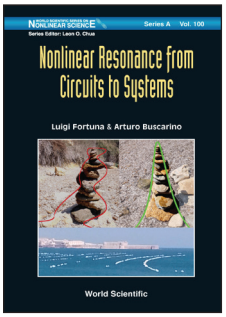
The main objective of this book is to provide insights into recent advances in distributed intelligent circuits, systems and their applications. Distributed intelligence is the key enabler for innovations in machine-to-machine communications. The innovations are directed towards keeping existing algorithms as the base and developing new intelligent systems by employing smart technologies. Artificial intelligence (AI) and, more specifically, deep learning (DL) are receiving significant attention in assisting doctors in the detection of disease patterns without much human intervention. In agriculture, robots automate slow, repetitive and dull tasks, allowing farmers to focus more on improving overall production yields.

Readership: Graduate and post-graduate students, and researchers specialising in electronics engineering and computer engineering.

452pp	**Mar 2024**	
978-981-127-952-2	**US$158**	**£145**
978-981-127-953-9(ebook)	**US$253**	**£230**

World Scientific Series on Nonlinear Science Series A - Vol 100

NONLINEAR RESONANCE FROM CIRCUITS TO SYSTEMS



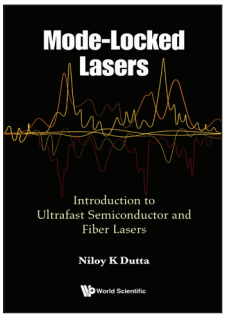
by **Luigi Fortuna** & **Arturo Buscarino** *(University of Catania, Italy)*

This book is a specific monograph on nonlinear resonance in circuits and systems. The topic falls within the wider area of research that the authors have been developing during the last several years, which includes strange attractors and bifurcations in nonlinear circuits and control systems.

Readership: Researchers, engineers and academics interested in nonlinear dynamics of electronic circuits.

196pp	**Feb 2025**	
978-981-9810-00-0	**US$78**	**£70**
978-981-9810-04-8(ebook)	**US$125**	**£115**

MODE-LOCKED LASERS



Introduction to Ultrafast Semiconductor and Fiber Lasers

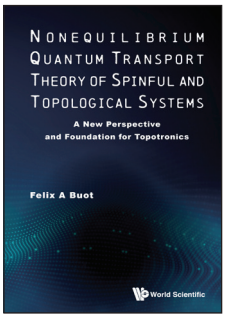
by **Niloy K Dutta** *(University of Connecticut, USA)*

Mode-Locked Lasers: Introduction to Ultrafast Semiconductor and Fiber Lasers is self-contained and unified in presentation. It can be used as an advanced text by graduate students and by practicing engineers. It is also suitable for non-experts who wish to have an overview of mode-locked lasers and pulse generation.

Readership: Advanced undergraduate and graduate students, researchers, and practitioners in the fields of optical physics, electrical engineering, materials science and high-power laser systems.

324pp	**Jun 2024**	
978-981-129-016-9	**US$128**	**£120**
978-981-129-017-6(ebook)	**US$205**	**£190**

NONEQUILIBRIUM QUANTUM TRANSPORT THEORY OF SPINFUL AND TOPOLOGICAL SYSTEMS



A New Perspective and Foundation for Topotronics

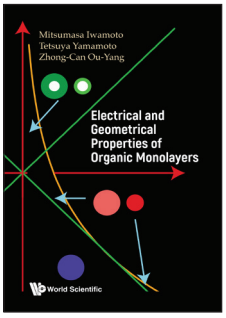
by **Felix A Buot** *(University of San Carlos, Cebu, Philippines)*

This book employs nonequilibrium quantum transport, based on the use of mixed Hilbert space representations and real time quantum superfield transport theory, to explain various topological phases of systems with entangled chiral degrees of freedom.

Readership: Foundational tool for engineers and computational scientists working with topological nanodevices. Also relevant to graduates and research professionals in condensed matter physics.

596pp	**May 2024**	
978-981-126-471-9	**US$168**	**£155**
978-981-126-472-6(ebook)	**US$269**	**£250**

ELECTRICAL AND GEOMETRICAL PROPERTIES OF ORGANIC MONOLAYERS



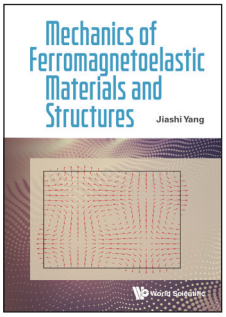
by **Mitsumasa Iwamoto** *(Tokyo Institute of Technology, Japan)*, **Tetsuya Yamamoto** *(Hokkaido University, Japan)* & **Zhong-Can Ou-Yang** *(Chinese Academy of Science, China)*

This book addresses the physical mechanisms that stabilize various shapes of domains in monolayers by using dielectric physics, electrostatics, and the physics of liquid crystals

Readership: This book would be useful for physicists, chemists, biologists and electronic engineers of the field to understand their experimental results and to develop new theories.

260pp	**Jan 2025**	
978-981-4602-97-6	**US$98**	**£90**
978-981-4602-98-3(ebook)	**US$157**	**£145**

MECHANICS OF FERROMAGNETOELASTIC MATERIALS AND STRUCTURES



by **Jiashi Yang** *(University of Nebraska-Lincoln, USA)*

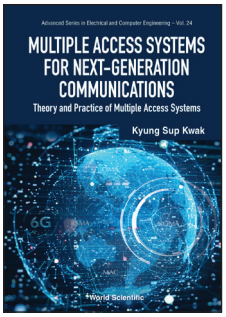
The book discusses the relatively simple situation of rigid ferromagnets first and then proceeds to elastic ferromagnets. Thermal and dissipative effects as well as interactions with electromagnetic waves are also considered. Structural problems of elastic plates and beams with magnetoelastic interactions are treated as well.

Readership: Professors and graduate students specialising in ferromagnetic material elasticity and magnetocelasticity.

230pp	**Jul 2025**	
978-981-9808-13-7	**US$88**	**£80**
978-981-9808-14-4(ebook)	**US$141**	**£130**

Communications and Signal Processing

Advanced Series in Electrical and Computer Engineering - Vol 24



MULTIPLE ACCESS SYSTEMS FOR NEXT-GENERATION COMMUNICATIONS

Theory and Practice of Multiple Access Systems

by **Kyung Sup Kwak**
(Inha University, South Korea)

This book provides a thorough examination of both traditional and emerging multiple access systems — Non-Orthogonal Multiple Access (NOMA) and Rate Splitting Multiple Access (RSMA) — essential for efficient and low-latency communication in the ecosystem of a Massive Internet of Things (Massive IoT). In particular, it discusses their potential role in enhancing 5G networks and their consideration as the standard for 6G multiple access.

Readership: Wireless communications engineers, computer and networking engineers, information scientists and engineers, electronics engineers, vehicular technology engineers.

416pp	**Mar 2025**	
978-981-9801-06-0	**US$148**	**£135**
978-981-9801-07-7(ebook)	**US$237**	**£220**

SENSORS AND THE INTERNET OF THINGS

Acquisition and Use of Big Data

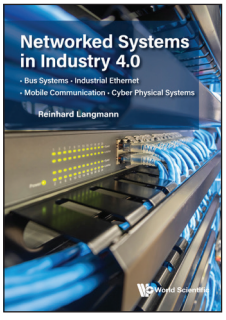
by **Alexander W Koch** *(Technical University of Munich, Germany)*

This book offers a structured understanding of sensor technologies, principles, applications, and their integration into IoT systems, thereby bridging the gap between sensors and IoT applications.

Readership: Advanced undergraduate and graduate students and practitioners in the fields of computer science, engineering, measurement systems, and physics; and scientists, engineers, and decision makers in industry.

200pp	**Apr 2026**	
978-981-128-518-9	**US$78**	**£70**
978-981-128-519-6(ebook)	**US$125**	**£115**

NETWORKED SYSTEMS IN INDUSTRY 4.0



Bus Systems •Industrial Ethernet •Mobile Communication •Cyber Physical Systems

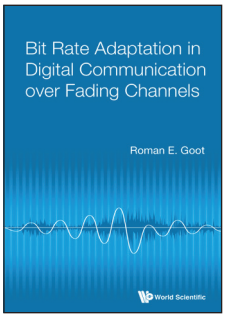
by **Reinhard Langmann**
(EduNet World Association e.V., Germany)

The basics of networked systems are illustrated using numerous application cases. More than 80 exercises provide the opportunity to test and deepen the knowledge acquired. The solutions to all the exercises, as well as additional supplementary material are also available.

Readership: Graduate and undergraduate students from the fields of mechanical engineering, electrical engineering as well as process and environmental engineering.

440pp	**Mar 2025**	
978-981-129-655-0	**US$148**	**£135**
978-981-129-656-7(ebook)	**US$237**	**£220**

BIT RATE ADAPTATION IN DIGITAL COMMUNICATION OVER FADING CHANNELS



by **Roman E Goot**

In this unique compendium, the general principal of adaptation and its application in communications, especially for bit rate adaptation are considered. Two type of bit rate adaptation are treated — signal duration and size constellation. When a channel state is relatively good, size constellation adaptation should be used. With state degradation, signal duration is used.

Readership: Researchers, professionals.

250pp	**Feb 2026**	
978-981-120-299-5	**US$108**	**£100**
978-981-120-300-8(ebook)	**US$173**	**£160**

5G COMMUNICATION SYSTEMS AND KEY TECHNOLOGIES

Opportunities and Challenges

by **Chuanfu Zhang**

This book reviews the history of the development of mobile communication technology and the challenges faced by 4G communication networks. It introduces the vision and requirements, standardization and performance requirements of 5G, as well as the wireless, network and supporting technologies needed to meet the performance requirements of 5G.

Readership: Professionals specializing in technical research or standard setting for mobile communication networks, or in the research and development of related products and businesses; future network planners, designers and network constructors.

400pp	**Mar 2026**	
978-981-128-774-9	**US$148**	**£135**
978-981-128-775-6(ebook)	**US$237**	**£220**

Topics in Advanced Geoinformatics - Vol 3

SYNTHETIC APERTURE RADAR FOR SURFACE MOTION ESTIMATION

by **Timo Balz** *(Wuhan University, China)*

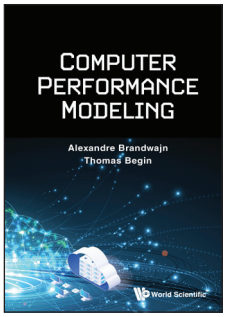
This book delivers a comprehensive introduction to the principles and applications of synthetic aperture radar (SAR) for measuring and monitoring surface motion caused by a wide range of geophysical phenomena, such as earthquakes, volcanoes, urban subsidence, and landslides.

Readership: Researchers, professionals, academics and graduate students in remote sensing, geosciences and engineering.

220pp	**Mar 2025**	
978-981-129-853-0	**US$78**	**£70**
978-981-129-854-7(ebook)	**US$125**	**£115**

Computer Engineering

COMPUTER PERFORMANCE MODELING



by **Alexandre Brandwajn** *(University of California, Santa Cruz, USA)* & **Thomas Begin** *(Université Claude Bernard Lyon 1, France)*

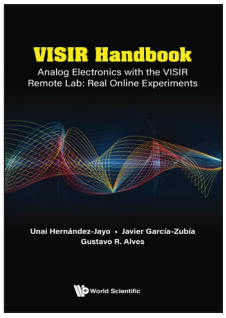
This compendium gives an overview of computer performance modelling techniques and an in-depth explanation of their principles and practical applications. The book emphasizes selected approximation methods for complex systems, including recent advances in multi-server models.

Readership: Researchers, professionals, academics and graduate students in computer engineering, operations research and mathematical modeling.

210pp	**May 2025**	
978-981-129-252-1(pbk)	**US$48**	**£45**
978-981-129-204-0	**US$88**	**£80**
978-981-129-205-7(ebook)	**US$141**	**£130**

VISIR HANDBOOK

Analog Electronics with the VISIR Remote Lab: Real Online Experiments



by **Unai Hernández-Jayo** *(University of Deusto, Spain)*, **Javier García-Zubía** *(University of Deusto, Spain)* & **Gustavo R Alves** *(Polytechnic of Porto, Portugal)*

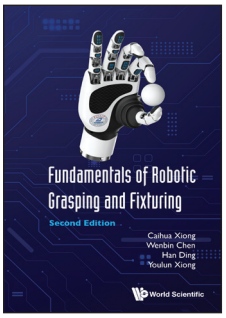
VISIR Handbook acts as a guide for users, demonstrating many of the real (remote) experiments that can be achieved and replicated with this laboratory. Most importantly, this book demonstrates how VISIR can be used as a learning tool for students.

Readership: This book is suitable for undergraduate students of Engineering, as well as graduate students and lecturers who would teach them. This book is also applicable to student and educators at technological schools and secondary schools with degrees related to technology.

280pp	**Mar 2024**	
978-981-127-414-5	**US$108**	**£100**
978-981-127-415-2(ebook)	**US$173**	**£160**

FUNDAMENTALS OF ROBOTIC GRASPING AND FIXTURING

2nd Edition



by **Caihua Xiong** *(Huazhong University of Science & Technology, China)*, **Wenbin Chen** *(Huazhong University of Science & Technology, China)*, **Han Ding** *(Huazhong University of Science & Technology, China)* & **Youlun Xiong** *(Huazhong University of Science & Technology, China)*

This book is uniquely designed for a thorough understanding of the fundamentals of the robotic grasping and fixturing (RGF) from the multifingered robot hand grasp, humanoid robot hand and basic fixture design principle, and evaluating and planning of robotic grasping/ fixturing. It also focuses on the modeling and applications of the RGF. Three new chapters are added in this edition to cover the relevant basic theories of grasping feature analysis and the new principles of robotic hand design that reproduce the natural motion laws of human hand.

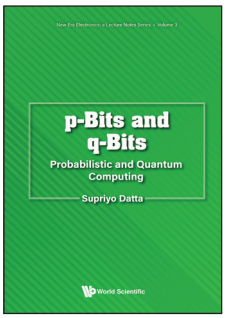
Readership: Researchers, professionals, academics and graduate students in mechanical and electrical and electronic engineering.

280pp	**May 2025**	
978-981-9810-27-7	**US$98**	**£90**
978-981-9810-28-4(ebook)	**US$157**	**£145**

New Era Electronics: A Lecture Notes Series - Vol 3

P-BITS AND Q-BITS

Probabilistic and Quantum Computing



by **Supriyo Datta** *(Purdue University, USA)*

"A wonderful journey from classical to quantum, elegantly bridged by p-bits! By introducing a layer of probability to classical bits, Datta provides a foundational entry point for understanding the intricacies of the quantum world. This volume by a giant in the field is a must-read, even if your focus isn't quantum, because p-bits themselves might revolutionize domain-specific classical computing."

Subhasish Mitra
William E Ayer Professor, Departments of Electrical Engineering and Computer Science, Stanford University

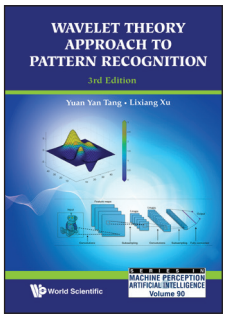
Readership: Advanced undergraduate and graduate students, researchers and practitioners in the fields of machine learning, quantum computing and statistical physics.

304pp	**Aug 2024**	
978-981-129-461-7(pbk)	**US$58**	**£55**
978-981-129-449-5	**US$128**	**£120**
978-981-129-450-1(ebook)	**US$205**	**£190**

Series in Machine Perception and Artificial Intelligence - Vol 90

WAVELET THEORY APPROACH TO PATTERN RECOGNITION

3rd Edition



by **Yuan Yan Tang** *(University Macau, China)* & **Lixiang Xu** *(Hefei University, China)*

This 3rd edition tackles the basic principle of deep learning as well as the application of combination of wavelet theory with deep learning to pattern recognition. Five new chapters related to the combination of wavelet theory and deep learning are added with many novel research results.

Readership: Researchers, professionals, academics and graduate students in pattern recognition/image analysis, machine perception, AI and electrical and electronic engineering.

564pp	**Sep 2024**	
978-981-128-404-5	**US$168**	**£155**
978-981-128-405-2(ebook)	**US$269**	**£245**

Control / Tech / Industrial Engineering

Series on Quality, Reliability and Engineering Statistics

DESIGN FOR SIX SIGMA FOR ENGINEERS

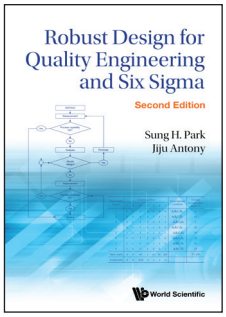
by **Matthew Hu** *(Wayne State University, USA)*,
Kai Yang *(Wayne State University, USA)*,
Michael Sheh *(Engineous Software Inc., USA)* &
Malik Kayupov *(Engineous Software Inc., USA)*

In this comprehensive volume, the four-phase IDOV — Identify-Design-Optimize-Verify — DFSS methodology is discussed in detail. The various practices from inventive design methodologies, deterministic and stochastic numerical methods, and the use of CAE simulation techniques, are mapped to the DFSS procedure. Many case studies are used to illustrate how tools are used in DFSS processes.

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

500pp	**Jun 2026**	
978-981-256-063-6	**US$115**	**£105**

ROBUST DESIGN FOR QUALITY ENGINEERING AND SIX SIGMA



2nd Edition

by **Sung H Park** *(Seoul National University, Korea)* & **Jiju Antony** *(Khalifa University, United Arab Emirates)*

Reviews of the First Edition:

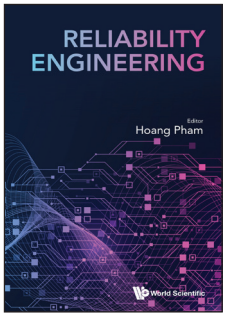
"This book is well organized and delivered in a way easy for readers to understand. I am impressed with the logicality and the forthright expression that the authors used in writing the book ... It is also valuable for students, managers, and professionals interested in Taguchi's robust design methods, as well as the implementation of Six Sigma."

Assembly Automation, Industrial Robot, Sensor Review

Readership: Researchers, professionals, academics, undergraduate and graduate students in industrial engineering and operations management.

660pp	**Apr 2026**	
978-981-125-522-9	**US$168**	**£155**
978-981-125-523-6(ebook)	**US$269**	**£245**

RELIABILITY ENGINEERING



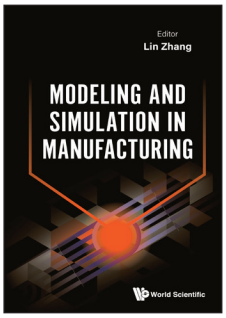
edited by **Hoang Pham**
(Rutgers University, USA)

This book features 18 articles selected from the *International Journal of Reliability, Quality and Safety Engineering (IJRQSE)* over the past 30 years. These articles represent the major themes of the journal, focusing on reliability, quality, and safety engineering. They are among the most cited articles in the last three years.

Readership: Researchers, professionals, academics and graduate students in industrial & systems engineering, and statistics.

300pp	**May 2025**	
978-981-9812-53-0	**US$118**	**£110**
978-981-9812-54-7(ebook)	**US$189**	**£175**

MODELING AND SIMULATION IN MANUFACTURING



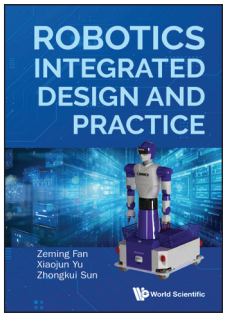
edited by **Lin Zhang**
(Beihang University (BUAA), China)

- Showcases the advantages of M&S technology in researching topics characterised by high complexity, strong uncertainty, and nonlinearity
- Analyzes M&S applications in manufacturing through the lens of mechanical and materials engineering as well as computer science, complemented by recent advances in machine learning
- Demonstrates the usefulness of M&S towards achieving various objectives like optimization, timeliness and cost reductions

Readership: Practitioners and researchers specializing in the fields of System Engineering

320pp	**Mar 2025**	
978-981-9801-46-6	**US$108**	**£100**
978-981-9801-47-3(ebook)	**US$173**	**£160**

ROBOTICS INTEGRATED DESIGN AND PRACTICE



by **Zeming Fan** *(Northwestern Polytechnical University, China)* & **Xiaojun Yu** *(Northwestern Polytechnical University, China)*

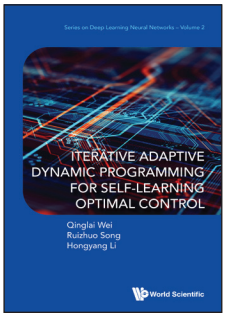
This comprehensive guide delves into the integrated design and practical applications of serial, parallel and mobile robots. In it, the designing and construction of a robot with complete obstacle avoidance functions is introduced step by step: first by introducing the working principles and knowledge on intelligent sensing, autonomous positioning and navigation, motion and control technologies, and then the control system and its components.

Readership: Senior undergraduate and post-graduate students majoring in robotics and related engineering fields, and scientific personnel working on the research, development and applications of robots.

400pp	**Jul 2025**	
978-981-9810-24-6	**US$138**	**£125**
978-981-9810-25-3(ebook)	**US$221**	**£205**

Series on Deep Learning Neural Networks - Vol 2

ITERATIVE ADAPTIVE DYNAMIC PROGRAMMING FOR SELF-LEARNING OPTIMAL CONTROL



by **Qinglai Wei** *(Chinese Academy of Sciences, China)*, **Ruizhuo Song** *(University of Science and Technology Beijing, China)* & **Hongyang Li** *(Chinese Academy of Sciences, China)*

This unique book introduces the iterative adaptive dynamic programming theory from the control systems perspectives, with the most recent results of iterative adaptive dynamic programming methods. Advanced theoretical analysis and some practical applications of iterative adaptive dynamic programming are provided.

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

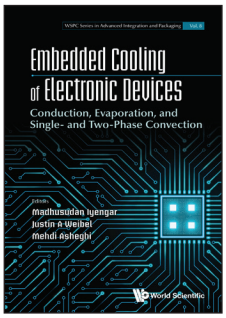
277pp	**Jul 2025**	
978-981-9811-20-5	**US$98**	**£90**
978-981-9811-21-2(ebook)	**US$157**	**£145**

WSPC Series in Advanced Integration and Packaging - Vol 8

EMBEDDED COOLING OF ELECTRONIC DEVICES

Conduction, Evaporation, and Single- and Two-Phase Convection

edited by **Madhusudan Iyengar** *(Google Plaforms, USA)*, **Justin A Weibel** *(Purdue University, USA)* & **Mehdi Asheghi** *(Stanford University, USA)*



This book is a comprehensive guide on emerging cooling technologies for processors in microelectronics. It covers various topics such as chip-embedded two-phase cooling, monolithic microfluidic cooling, numerical modeling, and advances in materials engineering for conduction-limited direct contact cooling, with a goal to remedy high heat flux issues.

Readership: Electrical, packaging and thermal engineers, as well as Mechanical Engineering and Electronic Engineering MS and PhD students interested to understand and collaboratively tackle the complex and multidisciplinary field of microelectronics device (embedded) cooling.

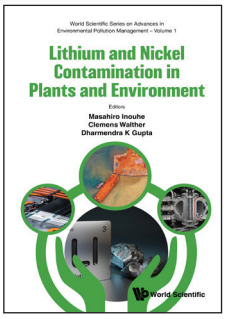
480pp	**Feb 2024**	
978-981-127-793-1	**US$148**	**£135**
978-981-127-937-9(ebook)	**US$237**	**£220**

Energy and the Environment

World Scientific Series on Advances in Environmental Pollution Management - Vol 1

LITHIUM AND NICKEL CONTAMINATION IN PLANTS AND THE ENVIRONMENT

edited by **Masahiro Inouhe** *(Ehime University, Japan)*, **Clemens Walther** *(Gottfried Wilhelm Leibniz University Hannover, Germany)* & **Dharmendra K Gupta** *(Ministry of Environment, Forest and Climate Change, India)*



This book will provide an overview on, and present the state-of the art in lithium and nickel and their remediation processes in a form comprehensible to environmental scientists and researchers.

Readership: Teachers, and advanced undergraduate and graduate students in related fields, especially those specializing in the remediation of heavy metals and metalloids.

312pp	**Mar 2024**	
978-981-128-311-6	**US$128**	**£120**
978-981-128-312-3(ebook)	**US$205**	**£190**

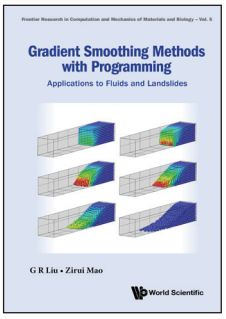
Mathematical Applications

Frontier Research in Computation and Mechanics of Materials and Biology - Vol 5

GRADIENT SMOOTHING METHODS WITH PROGRAMMING

Applications to Fluids and Landslides

by **G R Liu** *(University of Cincinnati, USA)* & **Zirui Mao** *(Pacific Northwest National Laboratory, USA)*



This unique compendium presents the Gradient Smoothing Methods (GSMs), as a general solver for linear and nonlinear PDEs (Partial Differential Equations) with a focus on fluids and flowing solids.

Readership: Researchers, professionals, academics, and graduate students in engineering mechanics, numerical analysis, environmental engineering and earthquake engineering.

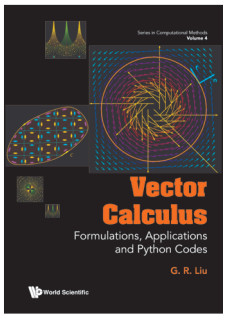
288pp	**Jan 2024**	
978-981-128-000-9	**US$98**	**£90**
978-981-128-001-6(ebook)	**US$157**	**£145**

Series in Computational Methods - Vol 4

VECTOR CALCULUS

Formulations, Applications and Python Codes

by **Gui-Rong Liu** *(Univ. of Cincinnati, USA)*



This unique compendium deals with the differentiation and integration of vector functions. It examines critical effects and extracts important features using powerful tools of differentiation and integration. Techniques and codes for computing the divergence, curl, and gradients of a given field function, which reveal the mathematical behavior of the vector field, are discussed.

Readership: Researchers, professionals, academics and graduate students in engineering mechanics, mechanical engineering and calculus of variations.

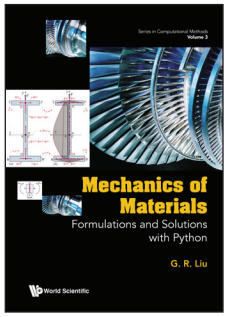
300pp	**Jul 2025**	
978-981-98-1364-3	**US$118**	**£110**
978-981-98-1365-0	**US$189**	**£175**

Series in Computational Methods - Vol 3

MECHANICS OF MATERIALS

Formulations and Solutions with Python

by **G R Liu** *(University of Cincinnati, USA)*



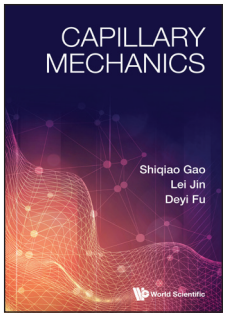
This unique compendium covers the fundamental principles of mechanics of materials, focusing on the mechanical behaviour of structural members under various types of loads, including axial loading, bending, shearing, and torsion. The members can have various shape and constrained in different ways. Concepts of energy and failure criteria are also included.

Readership: Researchers, professionals, academics and graduate students in engineering mechanics, mechanical engineering and aerospace engineering.

620pp	**Mar 2025**	
978-981-129-452-5	**US$178**	**£165**
978-981-129-453-2(ebook)	**US$285**	**£260**

CAPILLARY MECHANICS

by **Shiqiao Gao** *(Beijing Institute of Technology, China)*

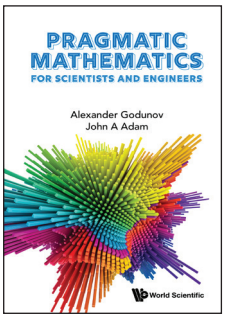


This book is a compilation of over a decade's worth of insights from the authors' research group on dynamic risk assessment and intelligent early warning systems. Highly technical approaches are provided to address the engineering requirements for the safe operation of complex systems in oil and gas production.

Readership: Academic researchers, professionals, graduate and post-graduates student working with capillary mechanics on the micro- to nano-scale.

230pp	**Jun 2025**	
978-981-9810-21-5	**US$88**	**£80**
978-981-9810-22-2(ebook)	**US$141**	**£130**

PRAGMATIC MATHEMATICS FOR SCIENTISTS AND ENGINEERS



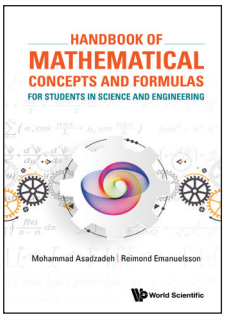
by **Alexander Godunov** & **John A Adam**
(Old Dominion University, USA)

This is a textbook on basic to intermediate mathematics for undergraduate students majoring in the physical sciences and engineering. Many chapters, covering topics like Green's functions, calculus of variations, and functions of a complex variable, are well-suited for graduate classes.

Readership: Advanced undergraduate and graduate students majoring in science and engineering; researchers in science and engineering looking to refresh their mathematical knowledge for practical applications.

484pp	**Sep 2024**	
978-981-129-133-3	**US$158**	**£145**
978-981-129-134-0(ebook)	**US$253**	**£230**

HANDBOOK OF MATHEMATICAL CONCEPTS AND FORMULAS FOR STUDENTS IN SCIENCE AND ENGINEERING



by **Mohammad Asadzadeh** *(Chalmers University of Technology, Sweden)* & **Reimond Emanuelsson** *(Chalmers University of Technology, Sweden)*

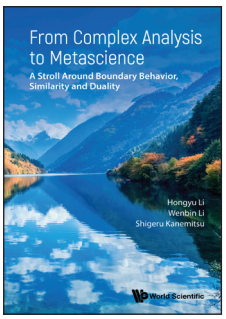
This book is a comprehensive collection of the main mathematical concepts, including definitions, theorems, tables, and formulas, that students of science and engineering will encounter in their studies and later careers. *Handbook of Mathematical Concepts and Formulas* introduces the latest mathematics in an easily accessible format. It familiarizes readers with key mathematical and logical reasoning, providing clear routes to approach questions and problems.

Readership: Students in Natural Science and Engineering Programmes at universities, instructors, professionals in industry.

668pp	**Jan 2024**	
978-1-80061-331-7	**US$188**	**£175**
978-1-80061-332-4(ebook)	**US$301**	**£275**

FROM COMPLEX ANALYSIS TO METASCIENCE

A Stroll Around Boundary Behavior, Similarity and Duality



by **Hongyu Li** *(Sanmenxia Suda New Energy Research Institute, China)*, **Wenbin Li** *(Sanmenxia Suda New Energy Research Institute, China)* & **Shigeru Kanemitsu** *(Shandong University, China)*

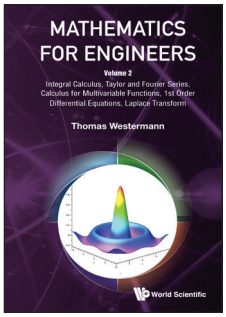
This book covers complex analysis (the study of boundary behaviors of analytic functions) and its applications with engineering problems, especially control theory from the viewpoint of boundary functions. The metascience part is rather unique and illustrates a metascientific way of thinking engineering problems by examples of batteries which are cores of electric vehicles.

Readership: Researchers and postgraduate students who want to learn practical knowledge for decision-making by concrete practical examples, e.g., through deep understanding of electromechanism and make decisive improvements; and who want to know about a new paradigm and scientific basics of electric double-layer supercapacitor, secondary batteries and electric vehicles. Engineers working with batteries and electricity storage device.

260pp	**Dec 2025**	
978-981-127-211-0	**US$88**	**£80**
978-981-127-212-7(ebook)	**US$141**	**£130**

MATHEMATICS FOR ENGINEERS

Volume 2: Integral Calculus, Taylor and Fourier Series, Calculus for Multivariable Functions, 1st Order Differential Equations, Laplace Transform



by **Thomas Westermann** *(University of Applied Sciences Karlsruhe, Germany)*

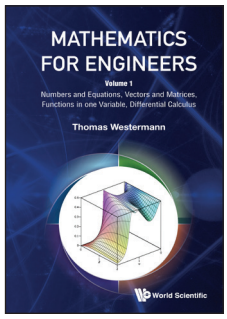
Mathematical concepts are clearly motivated, systematically equated and visualized in many animations. Mathematical proofs are almost completely avoided. Instead, many applications not only support the application of mathematics, but also contribute to a better understanding of mathematics.

Readership: Undergraduate students of a technical discipline, students of engineering disciplines, lecturers for basic mathematics.

320pp	**Dec 2024**	
978-981-9800-78-0(pbk)	**US$48**	**£45**
978-981-129-921-6	**US$98**	**£90**
978-981-129-922-3(ebook)	**US$157**	**£145**

MATHEMATICS FOR ENGINEERS

Volume 1: Numbers and Equations, Vectors and Matrices, Functions in one Variable, Differential Calculus



by **Thomas Westermann** *(University of Applied Sciences Karlsruhe, Germany)*

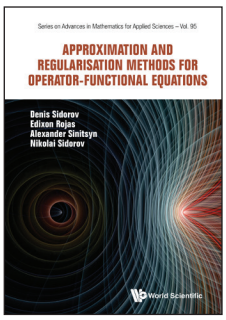
Important formulas and statements are clearly highlighted in order to increase the readability of the books. More than 300 images and sketches support the character of modern textbooks. The color-coded layout provides a clear overview of the presentation of the content, e.g. by adding new terms and definitions in light grey, important statements and sentences in grey.

Readership: Undergraduate students of a technical discipline, students of engineering disciplines.

336pp	**Jun 2024**	
978-981-129-278-1(pbk)	**US$58**	**£55**
978-981-129-234-7	**US$128**	**£120**
978-981-129-235-4(ebook)	**US$205**	**£190**

Series on Advances in Mathematics for Applied Sciences - Vol 95

APPROXIMATION AND REGULARISATION METHODS FOR OPERATOR-FUNCTIONAL EQUATIONS



by **Denis Sidorov** *(Russian Academy of Sciences, Russia)*, **Edixon Rojas** *(Universidad Nacional de Colombia, Colombia)*, **Alexander Sinitsyn** *(Universidad Nacional de Colombia, Colombia)* & **Nikolai Sidorov** *(Irkutsk State University, Russia)*

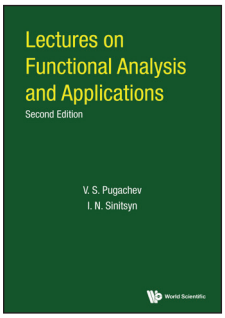
"This book offers new ideas, tools, and models that can be used by applied mathematicians and engineers to solve practical problems in electrical engineering. It also demonstrates how theories such as singular integrals, functional equations, stochastic arithmetic, and fixed point theorems can be applied by pure mathematicians and theoretical physicists in the study of linear and nonlinear equations within integral dynamical models."

Professor Yang Jiazhong,
School of Mathematical Sciences, Peking University, China

Readership: This book is suitable for both graduate students and professors in applied mathematics, physics, material science, and numerical analysis. It is also suitable for industry professionals in the fields of electrical and thermal engineering, combustion, and biomass.

248pp	**Mar 2025**	
978-981-9801-68-8	**US$88**	**£80**
978-981-9801-69-5(ebook)	**US$141**	**£130**

LECTURES ON FUNCTIONAL ANALYSIS AND APPLICATIONS



2nd Edition

by **V S Pugachev** *(Russian Academy of Sciences, Russia)* & **I N Sinitsyn** *(Russian Academy of Sciences, Russia)*

This second edition includes new and updated 300 examples and more than 500 problems to help readers understand and master the theories presented. In addition, necessary improvements for bringing the contents more up to date with current fundamental and applied developments in Chapters 1 – 10 were made. Now, Chapter 9 covers nonlinear and stochastic problems and Chapter 10, devoted to elements of numerical functional analysis, has been completely revised and broadened.

Readership: Undergraduate and graduate students as well as researchers in applied mathematics, and engineers.

800pp	Jun 2026	
978-981-3203-18-1(pbk)	US$88	£80
978-981-3203-17-4	US$178	£165
978-981-3203-19-8(ebook)	US$285	£260

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)*

This book represents a distinguished collection of research papers authored by the esteemed Professor Roderick Wong, a globally recognized mathematician, and a pioneer in the field of applied mathematics. His brilliant academic journey has spanned across different continents, including North America and Hong Kong.

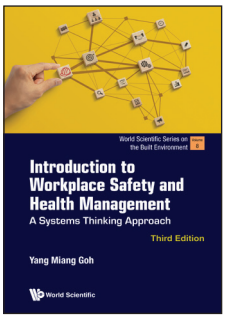
Readership: Academics, researchers, post-graduate students, undergraduate students, mathematicians, physicists, engineers.

550pp	May 2025	
978-981-129-085-5	US$168	£155
978-981-129-086-2(ebook)	US$269	£250

General

World Scientific Series on the Built Environment - Vol 8

INTRODUCTION TO WORKPLACE SAFETY AND HEALTH MANAGEMENT



A Systems Thinking Approach

3rd Edition

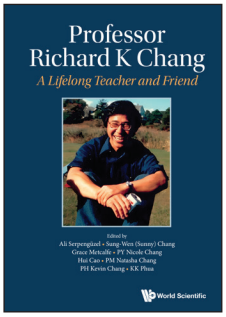
by **Yang Miang Goh** *(National University of Singapore, Singapore)*

Workplace safety and health (WSH) is an important area of any business or organisation. A serious accident or ill health incident can cause much suffering and distress to workers, co-workers, and the victims' family and friends. In addition, the organisations involved in the WSH incident will have to manage negative consequences including increase in insurance premiums, lost time and delays, morale issues, union and community protests, and reputation losses. On the other hand, good WSH can lead to organisational excellence.

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. Practical WSH knowledge are also discussed in relevant chapters to ensure that beginners have an introduction to the fundamentals of WSH hazards and controls. Besides the strong emphasis on conceptual framework, readers will also be exposed to the details of a WSH management system and practical WSH processes, hazards and controls. 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.

380pp	Sep 2024	
978-981-129-006-0(pbk)	US$78	£70
978-981-129-001-5	US$118	£110
978-981-129-002-2(ebook)	US$189	£175

PROFESSOR RICHARD K CHANG



A Lifelong Teacher and Friend

edited by **Ali Serpengüzel** *(KoçUniversity, Türkiye)*, **Sung-Wen (Sunny) Chang**, **Grace Metcalfe** *(Air Force Office of Scientific Research, USA)*, **PY Nicole Chang**, **Hui Cao** *(Yale University, USA)*, **PM Natasha Chang**, **PH Kevin Chang** *(Temasek, Singapore)* & **KK Phua** *(World Scientific Publishing Company, Singapore)*

This book is a memorial for Professor Richard K Chang of Yale University with contributions from students, colleagues, friends, and family. The book covers the academic and personal interactions between a professor and his students and colleagues in addition to observations by friends and family.

Readership: Academicians, researchers, entrepreneurs, university professors, research engineers, research managers, scientists, postdoctoral researchers, graduate students, undergraduate students.

550pp	Jun 2025	
978-981-9803-24-8	US$128	£120
978-981-9803-25-5(ebook)	US$205	£190

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

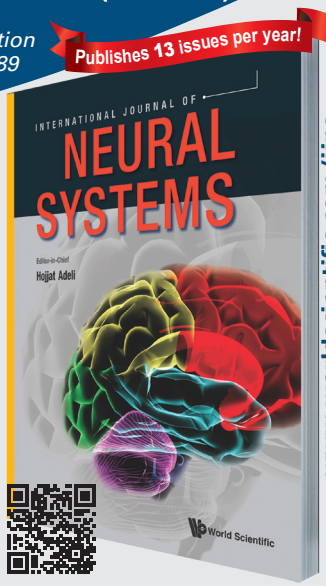
For a **FREE** institutional trial or subscribe to these journals, please contact us at **sales@wspc.com**

A Leading Journal in Neural Systems (IJNS)

Impact Factor: 6.4

In publication since 1989

Publishes 13 issues per year!



www.worldscientific.com/ijns

Editor-In-Chief:
Hojjat Adeli
The Ohio State University & SmartTech High Technologies
adeli.1@osu.edu

This Journal is a bimonthly peer-reviewed journal which covers information processing in natural and artificial neural systems. The journal presents a fresh, undogmatic attitude towards this multi-disciplinary field, aiming to be a forum for novel ideas and improved understanding of collective and cooperative phenomena in systems with computational capabilities.

"...The range is broad, covering mathematical, biological and engineering interests. Duplication with the content of other journals is low and editorial filtering has kept the quality of the papers high."
Igor Aleksander, Imperial College of London, Nature

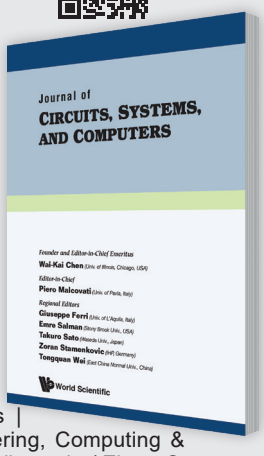
Hojjat Adeli received his Ph.D. from Stanford University in 1976 at the age of 26. He is an Academy Professor at The Ohio State University where he held the Abba G. Lichtenstein Professorship for ten years. He has authored over 650 research and scientific publications in various fields of computer science, engineering, applied mathematics, and medicine, including 16 ground-breaking high-technology books, and holds a United States patent in the area of design optimization. He is the recipient of 76 awards and honors including eught Honorary Doctorates and several Honorary Professorships at European and Asian Universities. In 1998 he received the *Distinguished Scholar Award*, The Ohio State University's highest research award "*in recognition of extraordinary accomplishment in research and scholarship*".

JOURNAL OF CIRCUITS, SYSTEMS, AND COMPUTERS (JCSC)

https://www.worldscinet.com/jcsc

***IMPACT FACTOR: 1.0**

Editor-in-Chief: Piero Malcovati *(University of Pavia, Italy)*



Journal of Circuits, Systems and Computers is published eight times a year, and covers a wide scope, ranging from mathematical foundations to practical engineering design in the general areas of circuits, systems, and computers. Although primary emphasis will be on research papers, survey, expository and tutorial papers are also welcome.

Abstracting/Indexing: Academic OneFile | Academic Search Complete/ Elite/ Premier | Baidu | CNKI | CnpLINKer | Compendex | Computer Abstracts | CrossRef | Current Contents®/Engineering, Computing & Technology | DBLP Computer Science Bibliography | Ebsco Computer & Applied Science Complete | Ebsco Discovery Service | EBSCO Electronic Journal Service (EJS) | Engineering Source (Ebsco) | ExLibris Primo Central | Google Scholar | INSPEC | io-port.net | ISI alerting services | J-Gate | Journal Citation Reports/Science Edition | Mathematical Reviews / MathSciNet® | Naver | NSTL - National Science and Technology Libraries | OCLC WorldCat® | ProQuest Technology Collection | Scopus | The Summon® Service.

FREE access to the selected articles.

INTERNATIONAL JOURNAL OF MODELING, SIMULATION, AND SCIENTIFIC COMPUTING (IJMSSC)

https://www.worldscientific.com/ijmssc

***IMPACT FACTOR: 1.0**

Editors-in-Chief: Lin Zhang *(Beihang Univ. (BUAA), China)*
Co-Editor-in-Chief: Agostino Bruzzone *(Genoa Univ, Italy)*

Check out the FREE articles online!

This is a quarterly journal which deals with the fields of system modeling, simulation and scientific computing. The scope of the journal covers, but is not limited to: Modeling theory and methodology for complex systems, system simulation theory and methodology • Complex applications of high level simulation languages, Multi-parameter Optimization in simulation • Verification, validation and accreditation of theory and technology • Finite element methods, finite difference methods, Approximation theory • Distributed/ High-Performance/Pervasive/Grid/ Cloud Computing, Bioinformatics/Data-Mining, High Performance simulation technology • Computational electromagnetics, electrodynamics, fluid dynamics,computational heat, mass, and momentum transfer • M&S technology of continuous systems/discrete systems/hybrid systems/Intelligent systems, complex systems/open systems/huge systems
• SBA/virtual prototyping engineering technology • Simulation language methodology, supporting platforms, application techniques

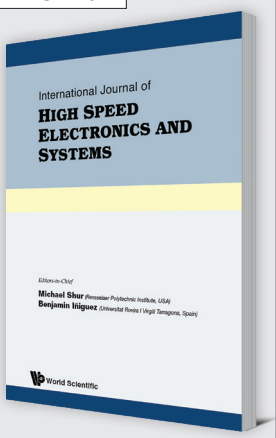
Abstracting/Indexing: Academic OneFile | Baidu | CNKI Scholar | CnpLINKer | Compendex | CrossRef | DBLP Computer Science Bibliography | Ebsco Applied Science & Technology Source Ultimate | Ebsco Discovery Service | EBSCO Electronic Journal Service (EJS) | Emerging Sources Citation Index (ESCI) | ExLibris Primo Central | Google Scholar | INSPEC | J-Gate | Naver | NSTL - National Science and Technology Libraries | OCLC WorldCat® | Proquest Computer & Information Systems Abstracts | ProQuest SciTech Premium Collection | REAXYS Medicinal Chemistry (selected articles) | Scopus | The Summon® Service | WanFang Data.

INTERNATIONAL JOURNAL OF HIGH SPEED ELECTRONICS AND SYSTEMS (IJHSES)

https://www.worldscientific.com/ijhses

***IMPACT FACTOR: 0.7**

Editors-in-Chief
Michael S Shur *(Rensselaer Polytechnic Institute, USA)*
Benjamin Iñiguez *(Universitat Rovira I Virgili,Tarragona, SPAIN)*



This International Journal has served graduate students and those in R&D, managerial and marketing positions by giving state-of-the-art data, and the latest research trends. Its main charter is to promote engineering education by advancing interdisciplinary science between electronics and systems and to explore high speed technology in photonics and electronics.

Abstracting/Indexing: Academic OneFile | Academic Search Complete/ Elite/ Premier | Baidu | Chemical Abstracts Service | CNKI | CnpLINKer | Compendex | CrossRef | Ebsco Business Source Complete | Ebsco Computer & Applied Science Complete | Ebsco Discovery Service | EBSCO Electronic Journal Service (EJS) | Engineering Source (Ebsco) | ExLibris Primo Central | Google Scholar | J-Gate | Naver | NSTL - National Science and Technology Libraries | OCLC WorldCat® | ProQuest Technology Collection (Advanced Technologies Database with Aerospace) | Scopus | The Summon® Service.

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

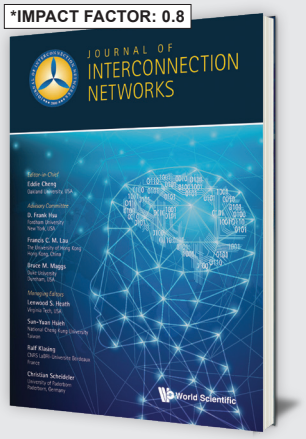
For a **FREE** institutional trial or subscribe to these journals, please contact us at **sales@wspc.com**

JOURNAL OF INTERCONNECTION NETWORKS (JOIN)

https://www.worldscientific.com/join

Editor-in-Chief: Eddie Cheng *(Oakland University, USA)*

*IMPACT FACTOR: 0.8



The *Journal of Interconnection Networks (JOIN)* is an international scientific journal dedicated to advancing the state-of-the-art of interconnection networks. The journal addresses all aspects of interconnection networks including their theory, analysis, design, implementation and application, and corresponding issues of communication, computing and function arising from (or applied to) a variety of multifaceted networks. Interconnection problems occur at different levels in the hardware and software design of communicating entities in integrated circuits, multiprocessors, multicomputers, and communication networks as diverse as telephone systems, cable network systems, computer networks, mobile communication networks, satellite network systems, the Internet and biological systems.

Abstracting/Indexing: Academic Search Complete/ Elite/ Premier | Baidu | CNKI Scholar | CnpLINKer | Compendex | CrossRef | DBLP Computer Science Bibliography | Ebsco Business Source Complete | Ebsco Computer and Applied Science Complete | Ebsco Discovery Service | EBSCO Electronic Journal Service (EJS) | Emerging Sources Citation Index (ESCI)| Engineering Source (Ebsco) | ExLibris Primo Central | Google Scholar | io-port.net | J-Gate | Naver | NSTL - National Science and Technology Libraries | OCLC WorldCat® | ProQuest Technology Collection | Scopus | The Summon® Service.

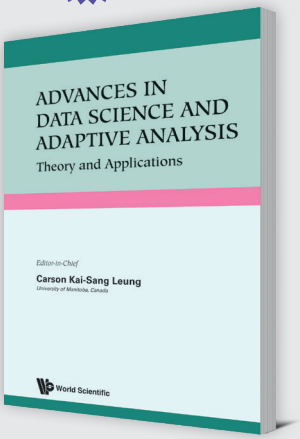
ADVANCES IN DATA SCIENCE AND ADAPTIVE ANALYSIS (ADSAA)

https://www.worldscientific.com/adsaa

Editor-in-Chief:
Carson Kai-Sang Leung
(University of Manitoba, Canada)

INDEXED IN EMERGING SOURCES CITATION INDEX CLARIVATE ANALYTICS

Indexed in WEB OF SCIENCE



This is an interdisciplinary journal dedicated to report original research results on data analysis methodology developments and their applications, with a special emphasis on the adaptive approaches. The mission of the journal is to elevate data analysis from the routine data processing by traditional tools to a new scientific level, which encourages innovative methods development for data science and its scientific research and engineering applications.

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.

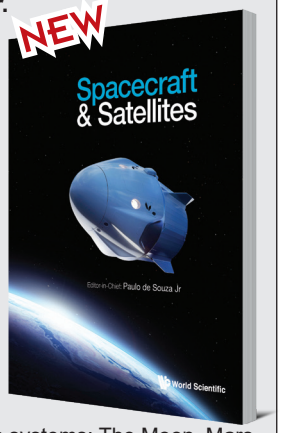
SPACECRAFT AND SATELLITES

https://www.worldscientific.com/sns

Open Access

Editor-in-Chief: Paulo de Souza Jr.
(Edith Cowan University, Australia)

NEW



Spacecraft & Satellites is a connected, Open Access peer-reviewed journal for those involved in spacecraft design, development, manufacturing, testing, deployment and decommissioning, including ethics and legal aspects, to publish their results and have a specific audience.

The journal publishes research articles, reviews and short communications in the scope of topics listed: Satellites (CubeSats, nanosats, small and large satellites); Payloads; Space stations; Remote sensing; Rockets and propulsion systems; The Moon, Mars and beyond; Environmental aspects of space exploration; Human exploration; Orbits and modelling; Space debris, space awareness, space weather; Space law, ethics, business trends; Electronics of spacecraft; Space testing, qualifications, standards, planetary protection; Sample return missions (from asteroids, comets, moon, planets); Rovercraft; Mission design.

Abstracted/Indexed: 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.

GUIDANCE, NAVIGATION AND CONTROL (GNC)

https://www.worldscientific.com/gnc

Indexed in Scopus

Editor-in-Chief: Haibin Duan
(Beihang University, China)

Check out the FREE articles online!

Guidance, Navigation and Control (GNC) will report on advances in the understanding and utilization of guidance, navigation and control theories, technologies and systems. The journal serves as a platform for academic exchange by experts, scholars and researchers in these fields. The following subjects are of particular interest to the journal:

- Modeling, analysis and design of dynamics, control and guidance systems
- Stability, optimization, electronics, avionics, and information processing related to various vehicle systems (marine, ground, aeronautical, and astronautical systems)
- Theoretical and empirical research in guidance, navigation and control technologies
- Application of guidance, navigation and control technologies to real-world problems

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® | The Summon® Service.

FREE access to the selected articles.

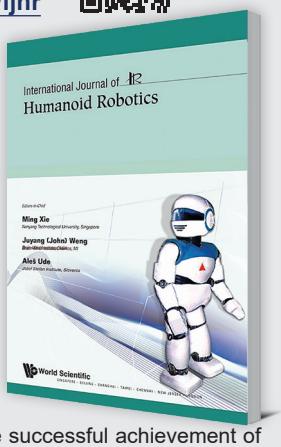
Submit your paper to these journals. Subscribe or Recommend them to your librarian!

For a **FREE** institutional trial or subscribe to these journals, please contact us at **sales@wspc.com**

INTERNATIONAL JOURNAL OF HUMANOID ROBOTICS (IJHR)

https://www.worldscientific.com/ijhr

***IMPACT FACTOR: 1.6**



Editors-in-Chief

Ming Xie *(Nanyang Technological University, Singapore)*
Juyang (John) Weng *(Brain-Mind Institute, USA)*
Aleš Ude *(Jožef Stefan Institute, Slovenia)*

The *International Journal of Humanoid Robotics* (IJHR) covers all subjects on the mind and body of humanoid robots. It is dedicated to advancing new theories, new techniques, and new implementations contributing to the successful achievement of future robots which not only imitate human beings, but also serve human beings. While IJHR encourages the contribution of original papers which are solidly grounded on proven theories or experimental procedures, the journal also encourages the contribution of innovative papers which venture into the new, frontier areas in robotics.

Abstracting/Indexing: Academic OneFile | Baidu | CNKI | CnpLINKer | Compendex | CrossRef | Current Contents®/Engineering, Computing & Technology | DBLP Computer Science Bibliography | Ebsco Discovery Service | EBSCO Electronic Journal Service (EJS) | Engineering Source (Ebsco) | Ergonomics Abstracts (Ebsco) | ExLibris Primo Central | Google Scholar | INSPEC| io-port.net | ISI Alerting Services | J-Gate | Journal Citation Reports/Science Edition | Naver | NSTL - National Science and Technology Libraries | OCLC WorldCat® | ProQuest Computer & Information Systems Abstracts | ProQuest Technology Collection (Advanced Technologies Database with Aerospace) | ProQuest Technology Collection (Materials Science & Engineering Database) | Science Citation Index Expanded | Scopus | The Summon® Service | WanFang Data | World Academic Journal Clout Index (WAJCI).

JOURNAL OF MEDICAL ROBOTICS RESEARCH (JMRR)

https://www.worldscientific.com/jmrr

Editor-in-Chief: Jaydev P. Desai *(Georgia Tech., USA)*

Medical robotics has been progressively revolutionizing treatment for at least the past two decades. The *Journal of Medical Robotics Research (JMRR)* invites fundamental contributions to all areas of medical robotics including clinical evaluation studies. The journal is primarily aimed towards bringing the scientific and technological developments as well as clinical evaluation studies in the area of medical robotics to a wider robotics and clinical audience.

Abstracting/Indexing: Baidu | CNKI Scholar | CnpLINKer | CrossRef | Ebsco Discovery Service | EBSCO Electronic Journal Service (EJS) | Embase | ExLibris Primo Central | Google Scholar | J-Gate | Naver | NSTL - National Science and Technology Libraries | OCLC WorldCat® | Proquest Computer & Information Systems Abstracts | ProQuest Computer & Information Systems Abstracts | ProQuest Nursing & Allied Health Database | ProQuest Technology Collection (Advanced Technologies Database with Aerospace) | Scopus | The Summon® Service.

UNMANNED SYSTEMS (US)

https://www.worldscientific.com/us

INDEXED IN EMERGING SOURCES CITATION INDEX CLARIVATE ANALYTICS | Indexed in Scopus | Indexed in Ei Compendex

***IMPACT FACTOR: 2.4**

Managing Editor-in-Chief:
Jie Chen *(Tongji University, China)*

Co-Editors-in-Chief:
Ben M. Chen *(Chinese University of Hong Kong, China)* &
Lihua Xie *(Nanyang Technological University, Singapore)*

Check out the FREE articles online!

Unmanned Systems (US) aims to cover all subjects related to the development of automatic machine systems, which include advanced technologies in unmanned hardware platforms (aerial, ground, underwater and unconventional platforms), unmanned software systems, energy systems, modeling and control, communications systems, computer vision systems, sensing and information processing, navigation and path planning, computing, information fusion, multi-agent systems, mission management, machine intelligence, artificial intelligence, and innovative application case studies.

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

WORLD SCIENTIFIC ANNUAL REVIEW OF ARTIFICIAL INTELLIGENCE (WSARAI)

https://www.worldscientific.com/wsarai

Editor-in-Chief: Xiaoli Li *(Institute for Infocomm Research, and Nanyang Technological University, Singapore)*

Co-Editor-in-Chief: Philip S. Yu *(University of Illinois at Chicago, USA)*

Check out the FREE articles online!

In recent years, Artificial Intelligence has become part of almost every aspect of innovation, ranging from medical research to Internet Of Things (IoT), its development from rule-based systems to deep learning has redefined research and development in many ways. To properly document the landmark development in Artificial Intelligence, this Annual Review aims to invite pioneers and experts in the fourth front of AI research to document and keeps audience updated on the story of this remarkable journey from Chess playing program in the 1950s to today underpinning a spectrum breath-taking innovations. On the other hand, this Annual Review of Artificial Intelligence also plans to serve as a forum for researchers and scientists alike to share their research results and exchange notes on future directions of Artificial Intelligence; topics include, but not limited to: deep learning, advanced machine learning, computer vision, natural language processing, reasoning, planning, cognitive sciences etc.

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.

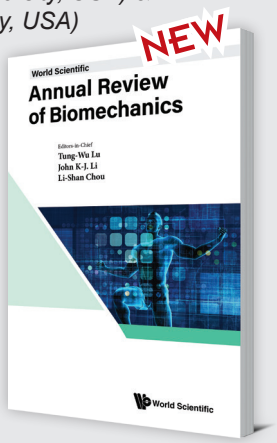
Submit your paper to these journals. Subscribe or Recommend them to your librarian!

For a **FREE** institutional trial or subscribe to these journals, please contact us at **sales@wspc.com**

WORLD SCIENTIFIC ANNUAL REVIEW OF BIOMECHANICS (WSARB)

https://www.worldscientific.com/wsarb

Editors-in-Chief: Tung-Wu Lu (*National Taiwan University, Taiwan*), **John K-J. Li** (*Rutgers University, USA*) & **Li-Shan Chou** (*Iowa State University, USA*)



The *World Scientific Annual Review of Biomechanics* (WSARB) provides a forum for focused reviews on specific topics, recent advances, historical perspectives, brief reviews and controversies. Contributions from the scientific, research, clinical and product development communities of those interested in Biomechanics are welcome.

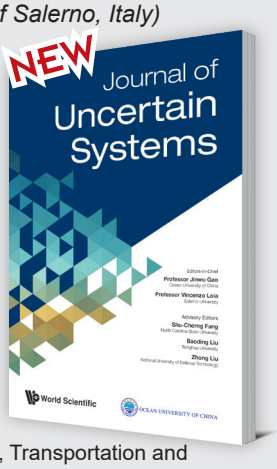
The *World Scientific Annual Review of Biomechanics* covers biomechanics of all levels of biological systems, from cells, tissues, organs to systems, such as cardiovascular and respiratory, neural, muscular and skeletal systems, and from fundamental mechanisms to translational and clinical applications such as biofluids, orthopedics, prosthesis and implants, rehabilitation, prosthetics and orthotics, sports injuries and performance, and medical devices. Theoretical, modeling and experimental methodologies are included.

Abstracted/Indexed: 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.

JOURNAL OF UNCERTAIN SYSTEMS

https://www.worldscientific.com/jus

Editors-in-Chief: Jinwu Gao (*Ocean University of China, China*) & **Vicenzo Loia** (*University of Salerno, Italy*)



Journal of Uncertain Systems (JUS) aims to publish original research related to uncertain systems with mathematical descriptions and applications in engineering, economics, finance, and management sciences. Some typical topics covered by JUS include but are not limited to the following four topics:

1. Uncertain systems related: Uncertain Statistics, Uncertain Programming, Uncertain Logic, Uncertain Inference, Uncertain Dynamic Systems

2. Economic, management, and financial systems involving uncertainty: Supply Chain Management, Transportation and Logistics, Economic Models and Policy, Financial Models and Engineering, Ocean Economy and Sustainable Development

3. AI, big data techniques and applications: Data Mining, Machine Learning, Deep Learning, Knowledge Graphs, Rule-based Systems, Decision and control in engineering

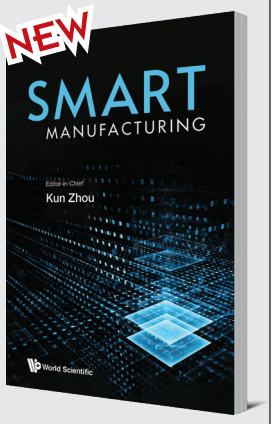
4. Decision Theory: Causal Discovery and Inference, Command and Control, Systems Engineering

Abstracting/Indexing: Baidu | CNKI Scholar | CnpLINKer | CrossRef | DBLP Computer Science Bibliography | 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® | ProQuest Social Sciences Premium Collection | Scopus | WanFang Data.

SMART MANUFACTURING (SM)

https://www.worldscientific.com/sm

Editor-in-Chief: Kun Zhou
(Nanyang Technological University, Singapore)



Smart Manufacturing is a peer-reviewed journal that provides academia and industry with high-quality research papers and reviews on advanced intelligent manufacturing. This journal aims to boost the integration of advanced manufacturing systems and digital information for high production efficiency, adaptability, and sustainability, using cutting-edge technologies in digital manufacturing, automated and robotic systems, artificial intelligence, online monitoring, cyber-physical systems, big data, Internet of Things (IoT), cloud computing, sociotechnology, etc.

Smart Manufacturing focuses on state-of-the-art manufacturing and its integration with enabling technologies in the implementation of intelligent manufacturing. The journal covers a broad scope, comprising smart and functional materials (material development), smart design (structure design and optimization), smart manufacturing (advanced manufacturing process development, digital twin, etc.), and smart factories (supply chain). Topics of particular interest include, but are not limited to, (1) 3D/4D printing, (2) digital manufacturing, (3) nature-inspired materials and manufacturing, (4) micro-/nanomaterials and manufacturing, (5) IoT for manufacturing, (6) cyber security for manufacturing, (7) adaptive and reconfigurable manufacturing, (8) green and sustainable materials and manufacturing, and (9) design methodologies for smart and functional materials and manufacturing.

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.

Journal Pricing

World Scientific journals are available for access through standalone journal subscriptions or as part of a package.

For pricing and any queries, please contact **sales@wspc.com.sg**

WORLD SCIENTIFIC JOURNALS

Over 180 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	PUB DATE	ISBN13	US$	£
FUNDAMENTALS OF SOLID STATE ELECTRONICS	SAH CHIH-TANG	UNIV OF FLORIDA, USA	01-Oct-91	9789810206383(pbk)	77	64
MICROELECTRONIC DEVICES (2ND EDITION)	LEAVER K	IMPERIAL COLLEGE, UK	01-Nov-97	9781860940200(pbk)	29	24
THEORY AND TECHNIQUES OF ELECTRONIC MUSIC, THE	PUCKETTE MILLER S	UNIV OF CALIFORNIA, SAN DIEGO, USA	24-May-07	9789812700773	133	110
DELTA-SIGMA MODULATORS: MODELING, DESIGN AND APPLICATIONS	BOURDOPOULOS GEORGE I ET AL	UNIV OF PATRAS, GREECE	10-Sep-03	9781860943690	114	95
FOUNDATIONS OF DIGITAL LOGIC DESIGN	KANDEL ABRAHAM ET AL	UNIV OF SOUTH FLORIDA, USA	25-Aug-98	9789810231101	86	71
FUNDAMENTALS OF SOLID-STATE ELECTRONICS: STUDY GUIDE	SAH CHIH-TANG	UNIV OF FLORIDA, USA	31-Dec-93	9789810216238(pbk)	43	36
INTRODUCTION TO HIGH POWER PULSE TECHNOLOGY	PAI S T ET AL	TSINGHUA UNIV, CHINA	01-Jul-95	9789810217143	56	46
MIXED ANALOG-DIGITAL VLSI DEVICES AND TECHNOLOGY	TSIVIDIS YANNIS	COLUMBIA UNIV, USA	27-Aug-02	9789812381118	95	79
INTRODUCTION TO CONTROL SYSTEMS, AN (2ND EDITION)	WARWICK K	UNIV OF READING, UK	01-Jan-96	9789810225971(pbk)	43	36
LINEAR NETWORKS AND SYSTEMS: ALGORITHMS AND COMPUTER-AIDED IMPLEMENTATIONS (2ND EDITION) (IN 2 VOLUMES)	CHEN WAI-KAI	UNIV ILLINOIS, CHICAGO, USA	01-Mar-90	9789971509989	56	46
MOSFET MODELING FOR VLSI SIMULATION: THEORY AND PRACTICE	ARORA NARAIN	CADENCE DESIGN SYSTEMS, USA	21-Feb-07	9789812568625	180	149
FUNDAMENTALS OF SOLID-STATE ELECTRONICS: SOLUTION MANUAL	SAH CHIH-TANG	UNIV OF FLORIDA, USA	01-Sep-96	9789810228811(pbk)	36	30
BROADBAND MATCHING: THEORY AND IMPLEMENTATIONS (2ND EDITION)	CHEN WAI-KAI	UNIV OF ILLINOIS AT CHICAGO, USA	01-Nov-88	9789971502195	87	72
FEEDBACK NETWORKS: THEORY AND CIRCUIT APPLICATIONS	CHOMA JOHN ET AL	UNIV OF SOUTHERN CALIFORNIA, USA	03-Apr-07	9789810227708	196	163
SILICON CARBIDE POWER DEVICES	BALIGA B JAYANT	NORTH CAROLINA STATE UNIV, USA	06-Jan-06	9789812566058	209	173
LIQUID GOLD: THE STORY OF LIQUID CRYSTAL DISPLAYS AND THE CREATION OF AN INDUSTRY	CASTELLANO JOSEPH A	-	10-Jan-05	9789812389565	135	112
LIGHT SCATTERING BY PARTICLES: COMPUTATIONAL METHODS	BARBER P W & HILL S C	CLARKSON UNIV, USA	01-Jul-90	9789971508135	138	115
LOGIC NON-VOLATILE MEMORY: THE NVM SOLUTIONS FOR EMEMORY	HSU CHARLES CHING-HSIANG	FOUNDER & CHAIRMAN OF EMEMORY TECHNOLOGY INC., TAIWAN	20-Mar-14	9789814460903	115	95
TOLERANCE DESIGN OF ELECTRONIC CIRCUITS	SPENCE R ET AL	IMPERIAL COLLEGE, UK	27-Mar-97	9781860940408	65	54
CIRCUIT ANALYSIS	TUNG L J & KWAN B W	FLORIDA STATE U	01-Nov-01	9789810240516	56	46
PROJECT MANAGEMENT FOR ENGINEERS	BENNETT J MICHAEL ET AL	UNIV OF ONTARIO, CANADA	15-Apr-14	9789814447928	118	104
ADAPTIVE NEURAL NETWORK CONTROL OF ROBOTIC MANIPULATORS	GE S S ET AL	NUS, S'PORE	09-Dec-98	9789810234522	145	120
ACTIVE NETWORK ANALYSIS	CHEN W-K	UNIV ILLINOIS, CHICAGO	01-Mar-91	9789971509132(pbk)	77	64
MATHEMATICAL INTRODUCTION TO CONTROL THEORY, A	ENGELBERG SHLOMO	JERUSALEM COLL OF TECH, ISRAEL	02-Jun-05	9781860945700	120	100
MOSFET MODELING FOR CIRCUIT ANALYSIS AND DESIGN	GALUP-MONTORO CARLOS & SCHNEIDER MARCIO CHEREM	UNIV OF SANTA CATARINA, BRAZIL	01-Mar-07	9789812568106	135	112
HIGH SPEED CIRCUITS FOR LIGHTWAVE COMMUNICATIONS, SELECTED TOPICS IN ELECTRONICS AND SYSTEMS, VOL 1	WANG KEH-CHUNG	ROCKWELL SEMICONDUCTOR SYSTEMS, USA	26-Jan-99	9789810235369	102	85
CMOS RF MODELING, CHARACTERIZATION AND APPLICATIONS	DEEN M J & FJELDLY T A	MCMASTER UNIV, CANADA	26-Apr-02	9789810249052	129	107
INTRODUCTORY SIGNAL PROCESSING	PRIEMER ROLAND	UNIV OF ILLINOIS AT CHICAGO, USA	01-Nov-90	9789971509200(pbk)	83	69
REAL-TIME SYSTEMS: IMPLEMENTATION OF INDUSTRIAL COMPUTERIZED PROCESS AUTOMATION	HALANG W A ET AL	UNIV GRONINGEN, GERMANY	01-Dec-92	9789810210632	138	115
DIGITAL SIGNAL PROCESSING: THEORY AND PRACTICE	SUNDARARAJAN D	NEWTECH SOFTWARE PTE LTD, INDIA	09-Jan-03	9789812382160	53	44
ELECTRONIC INFORMATION DISPLAY TECHNOLOGIES	NELSON T J ET AL	BELL COMMUNICATIONS RES. INC., USA	20-Feb-97	9789810213015	73	61
INTRODUCTION TO SYSTEMS SCIENCE, AN	WARFIELD JOHN N	PROFESSOR EMERITUS, GEORGE MASON UNIV, USA	20-Apr-06	9789812567024	136	113
SEMICONDUCTOR MANUFACTURING TECHNOLOGY	YOO CHUE SAN	FORMER ASSOCIATE PROFESSOR AT TAMKANG UNIV & NAT'L TSING HUA UNIV, TAIWAN	04-Mar-08	9789812568236	98	81
SILICON RF POWER MOSFETS	BALIGA B JAYANT	NORTH CAROLINA STATE UNIV,USA	22-Apr-05	9789812561213	170	141

World Scientific
Connecting Great Minds

World Scientific Connect

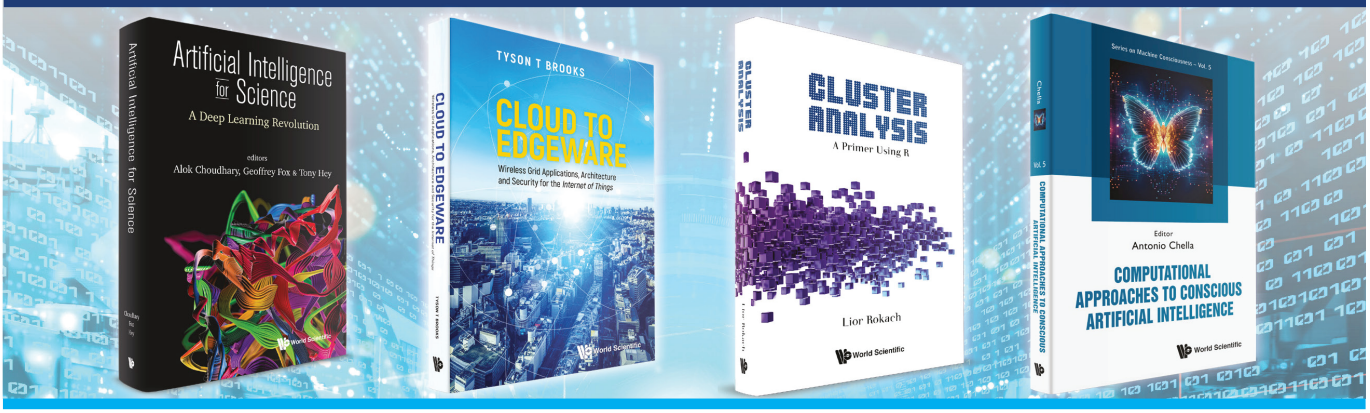
E-Book Collection on AI and Internet of Things 2.0

www.worldscientific.com/page/AI-IOT-2

Over 60 key digital reference titles for researchers and faculty

Big Data | Deep Learning | Federated Learning | Medical Technology | Pattern Recognition | Quantum Computing | and more...

- Available 24 x 7 at an easy click
- Perpetual Access at: List Price: ~~US$15,892 | £14,660~~ Offer Price: **US$10,995 | £9,995**



SMART CITIES

ORIGINAL E-BOOK PACKAGE PRICE | US$ 3,993 / £ 3,685

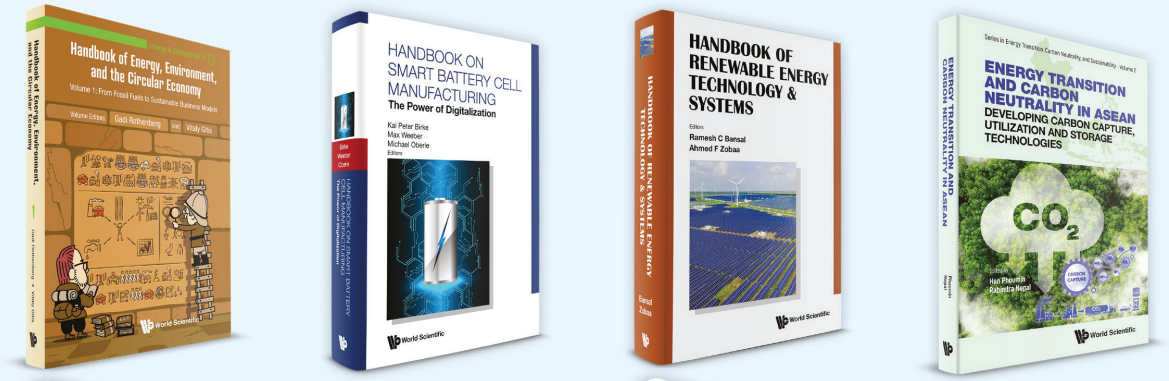
SPECIAL PACKAGE PRICE | US$ 2,795 / £ 2,580

www.worldscientific.com/page/smart-cities

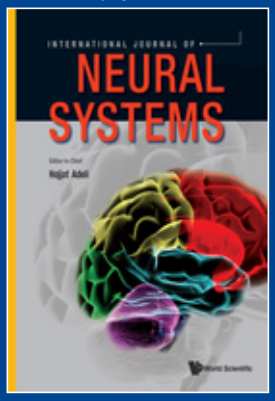
SDG PUBLISHERS COMPACT

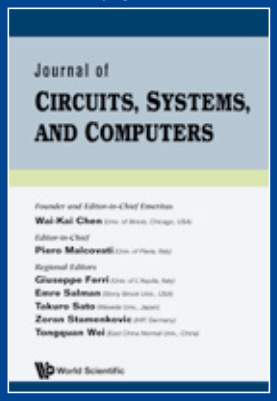
11 SUSTAINABLE CITIES AND COMMUNITIES

This collection explores a comprehensive suite of cutting-edge innovations that are shaping the future of urban living, delving into the integration of intelligent systems within cities, the evolution of transportation through smart mobility solutions, and the advancements in sustainable energy management.

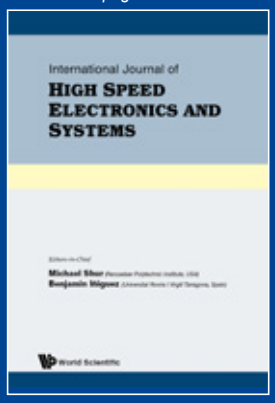


WORLD SCIENTIFIC JOURNALS AT
https://www.worldscientific.com/page/wsjournals

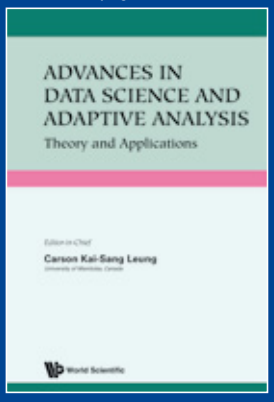
page 13


page 13


page 13

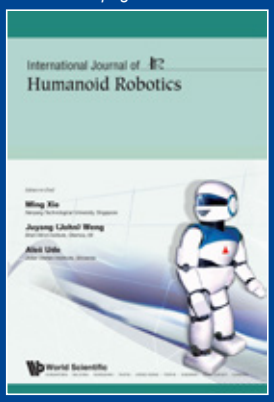

page 13


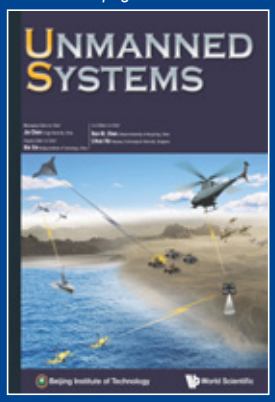
page 14


page 14


NEW page 14


page 14

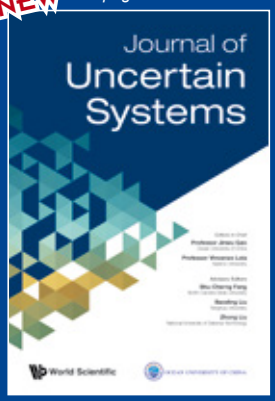

page 15


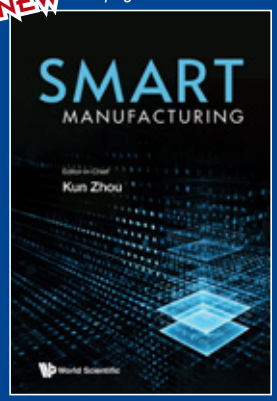
page 15


page 15


NEW page 15


NEW page 16


NEW page 16


NEW page 16


For orders and enquiries, please contact us:

FEEL Books

FEELBOOKS PVT. LTD.

DELHI	**4381/4 Ansari Road, Daryaganj, New Delhi 110002**		**Tel: +91-11-47472630**
	Pushpendra Kumar	**Mobile: +91 9015043442**	**Email: orders@feelbooks.in**
BENGALURU	**C-22, Brigade MM, KR Road, Jayanagar 7th Block, Bengaluru 560070**		**Tel: +91-80-26762129**
	Shekar Reddy	**Mobile: +91 9945234476**	**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	**Dhrubajyoti 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**

FOLLOW US ON LinkedIn

www.feelbooks.in

FOLLOW US ON facebook