JOURNALS

* Discount applicable for agents.
For details, please contact ACTA Press at sales@actapress.com
201 • MECHATRONIC SYSTEMS AND CONTROL
(formerly Control and Intelligent Systems)
Editor-in-Chief: Prof. C.W. de Silva

This international journal publishes both theoretical and application-oriented papers on various aspects of mechatronic systems, modelling, design, conventional and intelligent control, and intelligent systems. Application areas of mechatronics may include robotics, transportation, energy systems, manufacturing, sensors, actuators, and automation. Techniques of artificial intelligence may include soft computing (fuzzy logic, neural networks, genetic algorithms/evolutionary computing, probabilistic methods, etc.). Techniques may cover frequency and time domains, linear and nonlinear systems, and deterministic and stochastic processes. Hybrid techniques of mechatronics that combine conventional and intelligent methods are also included.

Frequency 4 issues per year
Hardcopy* US $860.00
Online* US $820.00
Hardcopy and Online* US $990.00
Available Online Back Issues US $300.00
Canada & USA Postage and Handling US $50.00
International Postage and Handling US $95.00
ISSN (Online) 2561-178X
ISSN (Hardcopy) 2561-1771

203 • INTERNATIONAL JOURNAL OF POWER AND ENERGY SYSTEMS

First published in 1981, this journal serves a worldwide readership of power and energy professionals. The International Journal of Power and Energy Systems strives to be the first to explore emerging energy issues. Subject areas covered include power transmission, distribution and generation, power quality, education, competition and regulation, power electronics, communication, electric machinery, power engineering systems, protection, reliability and security, smart grid, microgrid, energy management systems and supervisory control, economics, dispatching and scheduling, energy systems modelling and simulation, alternative energy, and policy and planning.

Frequency 4 issues per year
Hardcopy* US $780.00
Online* US $740.00
Hardcopy and Online* US $840.00
Available Online Back Issues US $300.00
Canada & USA Postage and Handling US $50.00
International Postage and Handling US $95.00
ISSN (Online) 1710-2243
ISSN (Hardcopy) 1078-3466
206 • INTERNATIONAL JOURNAL OF ROBOTICS AND AUTOMATION
Editor-in-Chief: Prof. S.X. YANG

First published in 1986, the International Journal of Robotics and Automation was one of the inaugural publications in the field of robotics. This journal covers contemporary developments in theory, design, and applications focused on all areas of robotics and automation systems, including new methods of machine learning, pattern recognition, biologically inspired evolutionary algorithms, fuzzy and neural networks in robotics and automation systems, computer vision, autonomous robots, human-robot interaction, microrobotics, medical robotics, mobile robots, biomimetic systems, autonomous design of robotic systems, sensors, communication, and signal processing.

Frequency 6 issues per year
Hardcopy* US $ 1,487.00
Online* US $ 1,460.00
Hardcopy and Online* US $ 1,699.00
Available Online Back Issues US $ 400.00
Canada & USA Postage and Handling US $ 85.00
International Postage and Handling US $ 140.00
ISSN (Online) 1925-7090
ISSN (Hardcopy) 0826-8185

209 • TECHNOLOGY FOR EDUCATION AND LEARNING
Editor-in-Chief: Dr. M.H. Hamza

Innovations in technology are transforming traditional approaches to education and learning. Students, teachers, and administrators, as well as researchers and policy-makers, all have a stake in how best to integrate technology into the educational process. Technology for Education and Learning is an interdisciplinary journal that explores all aspects of this integration. The topics covered include learning theory and technology, policies on technology-based learning, online learning, simulation and gaming, software and hardware used in the learning process, Internet applications and activities, virtual reality and its applications, curriculum development and instruction, technology and training, workplace learning, mobile learning, human resource issues and development, computer-supported collaborative learning, innovative teaching practices, ubiquitous computing for learning, instructional design theory and application, assessment and evaluation, distributed and multiagent systems, artificial intelligence, and mathematical modelling and informal learning.

Individual Articles (online) US $ 40.00
ISSN (Online) 1916-7008
210 • INTERNATIONAL JOURNAL OF COMPUTATIONAL BIOSCIENCE

Editor-in-Chief: Dr. M.H. Hamza

The International Journal of Computational Bioscience is an interdisciplinary journal that combines biological and computational research to advance human health and the molecular understanding of life. The journal features original and high quality research articles that effectively address complex problems in the biological sciences. Topics of interest include but not limited to: algorithms & machine learning; big data storage, management and processing, bioinformatics, ontologies & biocuration, disease models & molecular medicine, epidemiology & biodiversity, evolutionary & comparative genomics, gene regulation & transcriptomics, general computational biology, genome informatics, informatics of infectious disease, metagenomics & microbiome informatics, macromolecular structure & function, network biology, pattern recognition and signal processing, phylogenetics/phylogenomics, proteomics & metabolomics, sequence analysis, synthetic biology, systems modeling, structural bioinformatics, text mining & natural language processing, and visualization.

Individual Articles (online) US $ 40.00
ISSN (Online) 1918-3909

211 • PARALLEL AND DISTRIBUTED COMPUTING AND NETWORKS

This is an interdisciplinary journal covering all areas of parallel processing and distributed computing and networks that apply to the engineering and computer technology. The interdisciplinary approach of the publication ensures that a diverse range of fields are covered. The scope of Parallel and Distributed Computing and Networks includes algorithms, big data, broad-band networks, cloud computing, cluster computing, compilers, data mining, data warehousing, distributed databases, distributed knowledge-based systems, distributed multimedia, distributed real-time systems, distributed programming, fault tolerance, grid computing, heterogeneous computing, high performance computing, interconnection networks, Internet tools, many-core computing, memory and I/O systems, mobile computing, modelling and simulation, multi-core computing, operating systems, parallel computing systems, parallel processing and programming, performance evaluation, personal computing, planning protocols, real-time and embedded systems, reliability, resource allocation, reusability, routing, scheduling, supercomputing, web technologies, and wireless networks.

Individual Articles (online) US $ 40.00
ISSN (Online) 1925-5543
213 • SOFTWARE ENGINEERING
Editor: Dr. A.M.K. Cheng

Software Engineering is an interdisciplinary journal covering all areas of software engineering that apply to the engineering and computer technology communities. The scope of SE includes software engineering, systems requirements engineering, formal methods and design methods, practice and experience, software architecture, aspect and object orientation, reuse and re-engineering, testing, verification and validation techniques, software dependability and measurement, human systems engineering and human-computer interaction, knowledge engineering, expert and knowledge-based systems and intelligent agents, information systems engineering, software engineering in industry and commerce, software engineering technology transfer, management of software development, theoretical aspects of software development, and education and training.

Individual Articles (online) US $ 40.00
ISSN (Online) 1925-7902

214 • COMMUNICATIONS
Editors: Dr. L.C. Monticone, Dr. K-T. Ma

This is an interdisciplinary journal focusing on theories, systems, methods, algorithms, modelling and simulation, and applications in communications. The interdisciplinary approach of this publication ensures that experts in a diverse range of fields contribute to its content. The scope of Communications includes all areas of wired and wireless information communications theory and technology, which cover wide and local-area networks, Wi-Fi, cellular systems, mobile ad-hoc networks, communication systems and networks, wireless personal communication, modulation and signal design, speech, image and video communications, coding theory and applications, media access techniques, synchronization, channel equalization, detection and estimation, multiplexing and carrier techniques, software-defined radio, switching systems, routers, protocols, standards, network management, mobility manage-ment, spectrum management, resource allocation, network reliability and survivability, performance, quality of service, and network design and optimization.

Individual Articles (online) US $ 40.00
ISSN (Online) 1925-7929
215 • ALTERNATIVE ENERGY
Editor-in-Chief: Dr. M.H. Hamza

This journal is an interdisciplinary journal covering all areas of alternative energy-related fields including solar, wind and tidal power, hybrid technologies, photovoltaic systems, nanostructured materials, green electricity, hydrogen fuels, biofuels, sustainable development, climatology, alternative renewable energy sources, energy economics, carbon financing, environmental management, fuel and energy balances, policy, planning, and economics.

Individual Articles (online) US $ 40.00
ISSN (Online) 1925-6272

216 • BIOMEDICAL ENGINEERING
Editors-in-Chief: Dr. M.H. Hamza, Dr. N.M. Seboni, Prof. M.N. Tanko

This journal is based mainly on papers presented at IASTED International Conferences on Biomedical Engineering. The topics covered include imaging, biocomputing, health care technology, monitoring, biomechanics, biomaterials, modeling and simulation, instrumentation, telehealth, assistive technology, public health informatics, health infrastructure, operating systems, data security, privacy, clinical information and databases, epidemiology, and robotics applications.

Individual Articles (online) US $ 40.00
ISSN (Online) 1929-980x
To access to previous publications, please visit the link below:
### RECENT PUBLICATIONS

| 857 • MODELLING, SIMULATION AND IDENTIFICATION |
| 858 • INTELLIGENT SYSTEMS AND CONTROL |

Editors: Prof. Z. J. Chen and Dr. M.H. Hamza
2018, 173 pages

<table>
<thead>
<tr>
<th>Format</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>CD (without S&amp;H)</td>
<td>US $ 375.00</td>
</tr>
<tr>
<td>Online</td>
<td>US $ 325.00</td>
</tr>
<tr>
<td>Individual Articles</td>
<td>US $ 40.00</td>
</tr>
<tr>
<td>ISSN (Online)</td>
<td>978-0-88986-995-0</td>
</tr>
</tbody>
</table>

### Topics
- Data engineering, graphics, and image processing
- Mechatronics, robotics, and control
- Power and energy systems
- Economics and management
- Healthcare and medical engineering
- Petroleum and resource engineering
- Adaptive, predictive, and robust control
- Autonomous systems
- Biomedical engineering
- Data mining
- Human machine interfaces
- Machine vision
- Neurofuzzy systems
- Transportation systems
- Artificial immune systems
- Biomechanics
- Swarm intelligence

### Partial Contents
- Calibration Procedure for a Geometrically Reconfigurable 3-DoF Cable-driven Parallel Robot, Marcus Hamann
- Fluid Model Transformation in Pipelines for Fault Diagnosis Analysis, J. A. Villanueva, M. C. Verde
- Automated Electromyography Analysis: Update, J. L. Sponsler and C. Parker
APPLIED INFORMATICS

830 • MODELLING, IDENTIFICATION AND CONTROL
834 • PARALLEL AND DISTRIBUTED COMPUTING AND NETWORKS
835 • SOFTWARE ENGINEERING

Editor: Dr. M.H. Hamza
2016, 347 pages

<table>
<thead>
<tr>
<th>Format</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardcopy (without S&amp;H)</td>
<td>US $ 550.00</td>
</tr>
<tr>
<td>CD (without S&amp;H)</td>
<td>US $ 500.00</td>
</tr>
<tr>
<td>Online</td>
<td>US $ 450.00</td>
</tr>
<tr>
<td>Individual Articles</td>
<td>US $ 40.00</td>
</tr>
<tr>
<td>ISBN</td>
<td>978-0-88986-979-0</td>
</tr>
<tr>
<td>ISBN (CD)</td>
<td>978-0-88986-978-3</td>
</tr>
</tbody>
</table>

Topics
Simulation and Computational Intelligence • Identification, Estimation and Control • Biomedical, Modelling and Virtual Reality • Control • Modelling • Modelling and Estimation • Software, Parallel and Distributed Systems • Software Engineering

Partial Contents

810 • SOFTWARE ENGINEERING
811 • PARALLEL AND DISTRIBUTED COMPUTING AND NETWORKS
816 • ARTIFICIAL INTELLIGENCE AND APPLICATIONS

Editor: Dr. M.H. Hamza
2014, 422 pages

<table>
<thead>
<tr>
<th>Format</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardcopy (without S&amp;H)</td>
<td>US $ 320.00</td>
</tr>
<tr>
<td>CD (without S&amp;H)</td>
<td>US $ 290.00</td>
</tr>
<tr>
<td>Online</td>
<td>US $ 250.00</td>
</tr>
<tr>
<td>Individual Articles</td>
<td>US $ 40.00</td>
</tr>
<tr>
<td>ISBN (CD)</td>
<td>978-0-88986-965-3</td>
</tr>
</tbody>
</table>

Topics
Artificial Intelligence • Theory, Analysis, and Design • AI Architectures • Cognitive Systems • Fuzzy Systems • Machine Learning • Data Mining • Learning Systems • Modelling and Simulation • Applications • Economics • Engineering • Algorithms • Etc.

Partial Contents
Automatic Consistence Maintenance of Requirements and Ar-chitectures, Björn Schindler and Andreas Rausch
ARTIFICIAL INTELLIGENCE AND SOFT COMPUTING

810 • SOFTWARE ENGINEERING
811 • PARALLEL AND DISTRIBUTED COMPUTING AND NETWORKS
816 • ARTIFICIAL INTELLIGENCE AND APPLICATIONS

Editor: Dr. M.H. Hamza
2014, 422 pages

Hardcopy (without S&H) US $ 320.00
CD (without S&H) US $ 290.00
Online US $ 250.00
Individual Articles US $ 40.00
ISBN (CD) 978-0-88986-965-3

Topics
Artificial Intelligence • Theory, Analysis, and Design • AI Architectures
• Cognitive Systems • Fuzzy Systems • Machine Learning • Data Mining • Learning Systems • Modelling and Simulation • Applications • Economics • Engineering • Algorithms • Scheduling • Bioinformatics • Mobile Computing • Web Computing • Security • Embedded Parallel and Distributed Systems • Visualization • Software Design Tools • Optimization • Software Security • Etc.

Partial Contents
BIOMEDICAL ENGINEERING, BIOMECHANICS & TELEHEALTH

852 • BIOMEDICAL ENGINEERING
Editors: Prof. R. Kiss and Prof. P. J. Thurner 2017, 276 pages

Hardcopy (without S&H) US $ 575.00
CD (without S&H) US $ 525.00
Online US $ 450.00
Individual Articles US $ 40.00
ISBN (CD) 978-0-88986-991-2

Topics
Medical Imaging and Signal Processing • Bioinformatics, Robotics, Rehabilitation and Assistive Technology • Biomedical Devices, Measurement and Instrumentation • Biomechanics

Partial Contents
Extraction and Visualization of Structural Information Based on FDG-PET Images, Tetsuya Tozaki and Michio Senda • Microarray Missing Data Imputation Using Regression, Tuncay Bayrak and Hasan Ogul • Balancing Strategy Differences in Bilateral Knee Osteoarthritis Patients, Gergely Nagymáté and Rita M. Kiss • In-Ear Pulse Oximetry in High Altitude Mountain-eering, Boudewijn Venema and Steffen Leonhardt

846 • TELEHEALTH AND ASSISTIVE TECHNOLOGIES
847 • INTELLIGENT SYSTEMS AND ROBOTICS

846 • TELEHEALTH AND ASSISTIVE TECHNOLOGIES
847 • INTELLIGENT SYSTEMS AND ROBOTICS

Editor: Dr. M.H. Hamza 2016, 174 pages

Hardcopy (without S&H) US $ 400.00
CD (without S&H) US $ 350.00
Online US $ 300.00
Individual Articles US $ 40.00

Topics
Telehealth and Assistive Technology • Intelligent Systems • Rehabilitation, Robotics, Signal and Image Processing • Robotics

Partial Contents
BIOMEDICAL ENGINEERING, BIOMECHANICS & TELEHEALTH

836 • ENVIRONMENT AND WATER RESOURCE MANAGEMENT
837 • HEALTH INFORMATICS
838 • MODELLING AND SIMULATION
839 • POWER AND ENERGY SYSTEMS

Editors: G. Mmopelwa, N.M. Seboni, J. Prakash,
G.O. Anderson - 2016, 403 pages

Hardcopy (without S&H) US $ 500.00
CD (without S&H) US $ 450.00
Online US $ 400.00
Individual Articles US $ 40.00
ISBN 978-0-88986-984-4
ISBN (CD) 978-0-88986-985-1

Topics
Environment • Waste Management • Conservation • Water Supply and Sustainable Use • Wastewater and Storm Water Management • Integrated Watershed Management • Pollution Prevention and Reduction in Industry • Issues in Implementing Environmentally Sound Technologies • Modelling and Simulation • Power and Energy Systems • Health Informatics • Etc.

Partial Contents
Dynamics of the Seasonal Floodplain Fishery of the Okavango Delta, Botswana, Ketlhatlogile Mosepele • On the GF-AAS Determination of Chromium in Water Samples, Jens E.T. Andersen

832 • BIOMEDICAL ENGINEERING
Editor: A. Baca
2016, 255 pages

Hardcopy (without S&H) US $ 550.00
CD (without S&H) US $ 500.00
Online US $ 450.00
Individual Articles US $ 40.00
ISBN (CD) 978-0-88986-980-6

Topics
Robotics and Face Recognition • Systems Biology • E-Health and Computer Aided Surgery • Robotics, Pattern Recognition and Data Mining • Biomechanics and Sensors • Biomedical Services • Medical Imaging and Signal Processing.

Partial Contents
Hand Motion Training System by Inducing Pressure Presentation, Naoki Tsuda, Sho Ozaki, Yuma Nakazawa, Tsunekazu Mori-guchi, Yoshihiko Nomura, and Norihiko Kato • A Telemonitoring Framework Designed for Elderly Patients, Silvia Macis, Danilo Pani, Daniela Loi, Andrea Ulgheri, and Luigi Raffo
BIOMETICAL ENGINEERING, BIOMECHANICS & TELEHEALTH

812 • ENVIRONMENT AND WATER RESOURCE MANAGEMENT
813 • MODELLING AND SIMULATION
814 • POWER AND ENERGY SYSTEMS
815 • HEALTH INFORMATICS

Hardcopy (without S&H) US $ 290.00
CD (without S&H) US $ 260.00
Online US $ 250.00
Individual Articles US $ 40.00
ISBN 978-0-88986-973-8
ISBN (CD) 978-0-88986-970-7

Topics
Environment • Waste Management • Conservation • Water Supply and Sustainable Use • Wastewater and Storm Water Management • Integrated Watershed Management • Pollution Prevention and Reduction in Industry • Issues in Implementing Environmentally Sound Technologies • Etc.

Partial Contents
SPI: Climate Change Impacts on Agricultural Droughts, Sithabile Tirivarombo • Slow Penetration of a Plane Punch into a Plastic Medium, Vitali Babakov

818 • BIOMEDICAL ENGINEERING
817 • ROBOTICS APPLICATIONS
Editor: Dr. M.H. Hamza
2014, 399 pages

Hardcopy (without S&H) US $ 330.00
CD (without S&H) US $ 310.00
Online US $ 270.00
Individual Articles US $ 40.00
ISBN 978-0-88986-971-4
ISBN (CD) 978-0-88986-968-4

Topics
Biocomputing and Bioinformatics • Biomechanics • Health Care Technology • Medical Devices, Biomedical Materials, Measurement and Instrumentation • Medical Imaging, Image and Signal Processing • Modelling, Simulation, Systems and Control • Assistive Robotics • Education • Exploration • Mining • Robot Communication and Collaboration • Etc.

Partial Contents
Humanoid Binaural Hearing: Adaptive Approach, Fakheredine Keyrouz • Optimal Bipedal Robot Walking on an Inclined Surface, Amur S. AlYahmedi and Mohamed A. Sayari
829 • SOFTWARE ENGINEERING AND APPLICATIONS
831 • ADVANCES IN POWER AND ENERGY SYSTEMS
Editors: Prof. A.M.K. Cheng, Dr. M.H. Hamza
Hamza 2015, 186 pages

Hardcopy (without S&H) US $ 350.00
CD (without S&H) US $ 300.00
Online US $ 280.00
Individual Articles US $ 40.00
ISBN (CD) 978-0-88986-976-9

Topics
Testing, Validation and Verification • Measurement and Performance Evaluation • Security, Cloud, and Big Data • Systems and Networks • Applications and Case Studies • Energy Management • Power Electronics and Metering • Etc.

Partial Contents
Performance analysis for a cloud computing application, Joseph Issa • Access Control Mechanisms in Big Data Processing, Yenumula B Reddy

819 • COMPUTERS AND ADVANCED TECHNOLOGY IN EDUCATION
820 • MODELLING, SIMULATION AND IDENTIFICATION
821 • ENVIRONMENTAL MANAGEMENT AND ENGINEERING
Editor: Dr. M.H. Hamza
2014, 177 pages

Hardcopy (without S&H) US $ 230.00
CD (without S&H) US $ 200.00
Online US $ 170.00
Individual Articles US $ 40.00
ISBN 978-0-88986-972-1
ISBN (CD) 978-0-88986-969-1

Topics
Adaptive e-learning and intelligent apps and tools • Cloud-based learning • Computer supported collaborative learning • Distance and online learning • Human-computer interaction • Personal learning networks • Applied mechanics • Communication, computers, control and signal processing • Etc.

Partial Contents
Reliability Modelling and Inference with Multiple Performance Characteristics, Huibing Hao and Chun Su • Modelling of Reinforced Concrete Slabs under Impact Loading, Genadijs Sagals, Nebojsa Orbovic, and Andrei Blahoianu
810 • SOFTWARE ENGINEERING
811 • PARALLEL AND DISTRIBUTED COMPUTING AND NETWORKS
816 • ARTIFICIAL INTELLIGENCE AND APPLICATIONS

Editor: Dr. M.H. Hamza
2014, 422 pages

Hardcopy (without S&H) US $ 320.00
CD (without S&H) US $ 290.00
Online US $ 250.00
Individual Articles US $ 40.00
ISBN (CD) 978-0-88986-965-3

Topics
Artificial Intelligence • Theory, Analysis, and Design • AI Architectures • Cognitive Systems • Fuzzy Systems • Machine Learning • Data Mining • Learning Systems • Modelling and Simulation • Applications • Economics • Engineering • Algorithms • Scheduling • Bioinformatics • Mobile Computing • Web Computing • Security • Embedded Parallel and Distributed Systems • Visualization • Software Design Tools • Optimization • Software Security • Etc.

Partial Contents
Task Centered Design and Prototype of an Appointment Assistant System, Vasudevan Janarthanan and Janin Koch • A New Coupling Metric: Blending Structural and Semantic Relations, Mamdouh Alenezi and Kenneth Magel • GPU Accelerated Vessel Segmentation using Laplacian Eigenmaps, Lin Cheng, Hyunsu Cho, and Peter A. Yoon • Seamless Multicore Parallelism in MATLAB, Claude Tadonki and Pierre-Louis Caruana • High Order Pseudo Mac Laurin Feedforward Backpropagation Artificial Neural Networks: Infilling Mean Annual Flows, Masengo Ilunga
ENERGY AND POWER SYSTEMS

836 • ENVIRONMENT AND WATER RESOURCE MANAGEMENT
837 • HEALTH INFORMATICS
838 • MODELLING AND SIMULATION
839 • POWER AND ENERGY SYSTEMS

Editors: G. Mmopelwa, N.M. Seboni, J. Prakash, G.O. Anderson - 2016, 403 pages

Hardcopy (without S&H)  US $  500.00
CD (without S&H)  US $  450.00
Online  US $  400.00
Individual Articles  US $  40.00
ISBN  978-0-88986-984-4
ISBN (CD)  978-0-88986-985-1

Topics
Environment • Waste Management • Conservation • Water Supply and Sustainable Use • Wastewater and Storm Water Management • Integrated Watershed Management • Pollution Prevention and Reduction in Industry • Issues in Implementing Environmentally Sound Technologies • Health Informatics • Etc.

Partial Contents
Dynamics of the Seasonal Floodplain Fishery of the Okavango Delta, Botswana, Ketlhatlogile Mosepele • On the GF-AAS Determination of Chromium in Water Samples, Jens E.T. Andersen

812 • ENVIRONMENT AND WATER RESOURCE MANAGEMENT
813 • MODELLING AND SIMULATION
814 • POWER AND ENERGY SYSTEMS
815 • HEALTH INFORMATICS


Hardcopy (without S&H)  US $  290.00
CD (without S&H)  US $  260.00
Online  US $  250.00
Individual Articles  US $  40.00
ISBN  978-0-88986-973-8
ISBN (CD)  978-0-88986-970-7

Topics
Environment • Waste Management • Conservation • Water Supply and Sustainable Use • Wastewater and Storm Water Management • Integrated Watershed Management • Etc.

Partial Contents
SPI-Climate Change Impacts on Agricultural Droughts, Sithabile Tirivarombo • Slow Penetration of a Plane Punch into a Plastic Medium, Vitali Babakov
MODELLING, IDENTIFICATION AND CONTROL

848 - MODELLING, IDENTIFICATION AND CONTROL
Editor: Dr. M.H. Hamza
2017, 277 pages

Hardcopy (without S&H) US $ 575.00
CD (without S&H) US $ 525.00
Online US $ 450.00
Individual Articles US $ 40.00
ISBN (CD) 978-0-88986-989-9

Topics
Modelling • Identification and Pattern Recognition • Simulation
• Control and Applications • Signal and Image Processing

Partial Contents
A New Interpretation of Order-Changes in Terms of Mode-Shifts in a Descriptor System, Shin Kawai and Noriyuki Hori • Piecewise Rate Allocation for Deep Space Networks, Zhenghui Liu, Lixiang Liu, and Jianzhou Chen • Range Estimation Method in a Short-Range FMCW Sonar, Young-Kwang Seo, Wan-Jin Kim, and Hyung-Nam Kim

826 • MODELLING, IDENTIFICATION AND CONTROL
827 • COMPUTATIONAL INTELLIGENCE
Editor: Dr. M.H. Hamza
2015, 289 pages

Hardcopy (without S&H) US $ 310.00
CD (without S&H) US $ 300.00
Online US $ 280.00
Individual Articles US $ 40.00
ISBN (CD) 978-0-88986-974-5

Topics
Modelling • Simulation • Identification • Numerical Methods • Process Modelling • Robotics • Data Driven Modelling • System Identification • Statistical Analysis • Estimation, Process Control • Power Systems • Filtering • Stability, Robust Control • Etc.

Partial Contents
Comparison of Yaw Stability Control Methods for Mining Trucks, Ryota Ono • Weighted-Minimum Cost Reliability Ratio Path Problem, Wan Rohaizad Wan Ibrahim and Shaharuddin Salleh • Image Fusion Based on Contrast Decomposition, Ioannis An-dreadis and Odysseas Bouzos • Simplified Information Maximization for Improving Multi-Layered Neural Networks, Ryotaro Kamimura
MODELLING, IDENTIFICATION AND CONTROL

809 • MODELLING, IDENTIFICATION AND CONTROL
Editor: Dr. M.H. Hamza
2014, 304 pages

Hardcopy (without S&H) US $ 280.00
CD (without S&H) US $ 250.00
Online US $ 210.00
Individual Articles US $ 40.00
ISBN 978-0-88986-966-0
ISBN (CD) 978-0-88986-964-6

Topics
Modelling, Estimation, and Identification • Modelling and Simulation • Control and Stability • Robotics, Mechatronics, and Control • Biomedicine and Biomechanics

Partial Contents
A Fractional Order Approach to Loudspeaker Identification, Pascal Brunet and Bahram Shafai • The Impact of Residential Lighting Programs on Electricity Consumption: A Cross-Section Model, Kenneth H. Tiedemann • Improved Conditions to Passivity of Uncertain Delayed Neural Systems, Xuyang Lou, Baotong Cui, and Qian Ye • Deterministic Modelling of Stochastic Gene Transcription Processes, Jaroslaw Smieja
853 • MODELLING, SIMULATION AND IDENTIFICATION
854 • INTELLIGENT SYSTEMS AND CONTROL

Editors: Prof. Z.J. Chen, Dr. M.H. Hamza 2017, 149 pages

Hardcopy (without S&H) US $ 400.00
CD (without S&H) US $ 350.00
Online US $ 300.00
Individual Articles US $ 38.00
ISBN (CD) 978-0-88986-993-6

Topics
Computer, Communications, and Networks • Applications • Eco-nomics, Finance, Forecasting and Management • Petroleum Engineering, Power and Energy Systems • Artificial Intelligence, Machine Learning and Neural Networks • Biomechanics • Power and Energy Systems

Partial Contents
A Column Generation Approach to Solve Aircraft Recovery Problem, Nan Xu • Enhancing Automated Assessment for Engineering MOOCs, Azam Beg, Mouza M. Alhemeiri, and Ajmal Beg • A DNA Nonastructure and Biological Puzzle Based Encryption Method, Yunpeng Zhang, Xin Liu, and Ding Yu

836 • ENVIRONMENT AND WATER RESOURCE MANAGEMENT
837 • HEALTH INFORMATICS
838 • MODELLING AND SIMULATION
839 • POWER AND ENERGY SYSTEMS

Editors: G. Mmopelwa, N.M. Seboni, J. Prakash, G.O. Anderson - 2016, 403 pages

Hardcopy (without S&H) US $ 500.00
CD (without S&H) US $ 450.00
Online US $ 400.00
Individual Articles US $ 40.00
ISBN 978-0-88986-984-4
ISBN (CD) 978-0-88986-985-1

Topics
Environment • Waste Management • Conservation • Water Supply and Sustainable Use • Wastewater and Storm Water Management • Integrated Watershed Management • Issues in Implementing Environmentally Sound Technologies • Etc.

Partial Contents
Dynamics of the Seasonal Floodplain Fishery of the Okavango Delta, Botswana, Kethatlogile Mosepele • On the GF-AAS Determination of Chromium in Water Samples, Jens E.T. Andersen
MODELLING AND SIMULATION

840 • MODELLING, SIMULATION AND IDENTIFICATION
841 • INTELLIGENT SYSTEMS AND CONTROL
Editors: Prof. A-M. Frattini Fileti, Prof. F. Vasconcelos da Silva - 2016, 408 pages

Hardcopy (without S&H)  US $  500.00
CD (without S&H)  US $  450.00
Online  US $  400.00
Individual Articles  US $  40.00
ISBN (CD)  978-0-88986-982-0

Topics
Energy and Bioenergy • Spectroscopy and Image Analysis • Mathematical Modelling, Optimization and Simulation • Sys-tems Dynamics, Identification and Monitoring • Mechanics and Biomechanics • Computational Intelligence and Natural Com-puting • Fuzzy Systems and Decision Support System • Etc.

Partial Contents

812 • ENVIRONMENT AND WATER RESOURCE MANAGEMENT
813 • MODELLING AND SIMULATION
814 • POWER AND ENERGY SYSTEMS
815 • HEALTH INFORMATICS

Hardcopy (without S&H)  US $  290.00
CD (without S&H)  US $  260.00
Online  US $  250.00
Individual Articles  US $  40.00
ISBN  978-0-88986-973-8
ISBN (CD)  978-0-88986-970-7

Topics
Environment • Waste Management • Conservation • Water Supply and Sustainable Use • Wastewater and Storm Water Management • Integrated Watershed Management • Pollution Prevention and Reduction in Industry • Etc.

Partial Contents
SPI-Climate Change Impacts on Agricultural Droughts, Sithabile Tirivarombo • Slow Penetration of a Plane Punch into a Plastic Medium, Vitali Babakov
MODELLING AND SIMULATION

819 • COMPUTERS AND ADVANCED TECHNOLOGY IN EDUCATION
820 • MODELLING, SIMULATION AND IDENTIFICATION
821 • ENVIRONMENTAL MANAGEMENT AND ENGINEERING

Editor: Dr. M.H. Hamza
2014, 177 pages

Hardcopy (without S&H) US $ 230.00
CD (without S&H) US $ 200.00
Online US $ 170.00
Individual Articles US $ 40.00
ISBN 978-0-88986-972-1
ISBN (CD) 978-0-88986-969-1

Topics
Adaptive e-learning and intelligent apps and tools • Cloud-based learning • Computer supported collaborative learning • Distance and online learning • Human-computer interaction • Personal learning networks • Applied mechanics • Communication, computers, control and signal processing • Etc.

Partial Contents
Reliability Modelling and Inference with Multiple Performance Characteristics, Huibing Hao and Chun Su • Modelling of Reinforced Concrete Slabs under Impact Loading, Genadijs Sagals, Nebojsa Orbovic, and Andrei Blahoiianu
846 • TELEHEALTH AND ASSISTIVE TECHNOLOGIES
847 • INTELLIGENT SYSTEMS AND ROBOTICS

Editor: Dr. M.H. Hamza
2016, 174 pages

Hardcopy (without S&H) US $ 400.00
CD (without S&H) US $ 350.00
Online US $ 300.00
Individual Articles US $ 40.00

Topics
Telehealth and Assistive Technology • Intelligent Systems • Rehabilitation, Robotics, Signal and Image Processing • Robotics

Partial Contents

818 • BIOMEDICAL ENGINEERING
817 • ROBOTICS APPLICATIONS

Editor: Dr. M.H. Hamza
2014, 399 pages

Hardcopy (without S&H) US $ 330.00
CD (without S&H) US $ 310.00
Online US $ 270.00
Individual Articles US $ 40.00
ISBN 978-0-88986-971-4
ISBN (CD) 978-0-88986-968-4

Topics
Biocomputing and Bioinformatics • Biomechanics • Health Care Technology • Medical Devices, Biomedical Materials, Measurement and Instrumentation • Medical Imaging, Image and Signal Processing • Modelling, Simulation, Systems and Control • Assistive Robotics • Education • Exploration • Mining • Etc.

Partial Contents
Optimized Control of a Parallel Mechanism Rehabilitation Robot, Mustafa S. Ayas, Erdinc Sahin, and Ismail H. Altas • Optimal Bipedal Robot Walking on an Inclined Surface, Amur S. AlYahmedi and Mohamed A. Sayari • Three Cameras for Robot Pose Estimation: A Triple versus Two Pairs, Mohammad E. Ragab and Kin H. Wong
836 • ENVIRONMENT AND WATER RESOURCE MANAGEMENT
837 • HEALTH INFORMATICS
838 • MODELLING AND SIMULATION
839 • POWER AND ENERGY SYSTEMS

Editors: G. Mmopelwa, N. M. Seboni, J. Prakash, G.O. Anderson - 2016, 403 pages

Hardcopy (without S&H) US $ 500.00
CD (without S&H) US $ 450.00
Online US $ 400.00
Individual Articles US $ 40.00
ISBN 978-0-88986-984-4
ISBN (CD) 978-0-88986-985-1

Topics
Environment • Waste Management • Conservation • Water Supply and Sustainable Use • Wastewater and Storm Water Management • Integrated Watershed Management • Pollution Prevention and Reduction in Industry • Etc.

Partial Contents
Dynamics of the Seasonal Floodplain Fishery of the Okavango Delta, Botswana, Ketlhatlogile Mosepele • On the GF-AAS Determination of Chromium in Water Samples, Jens E. T. Andersen

812 • ENVIRONMENT AND WATER RESOURCE MANAGEMENT
813 • MODELLING AND SIMULATION
814 • POWER AND ENERGY SYSTEMS
815 • HEALTH INFORMATICS


Hardcopy (without S&H) US $ 290.00
CD (without S&H) US $ 260.00
Online US $ 250.00
Individual Articles US $ 40.00
ISBN 978-0-88986-973-8
ISBN (CD) 978-0-88986-970-7

Topics
Environment • Waste Management • Conservation • Water Supply and Sustainable Use • Wastewater and Storm Water Management • Integrated Watershed Management • Etc.

Partial Contents
SPI-Climate Change Impacts on Agricultural Droughts, Sithabile Tirivarombo • Slow Penetration of a Plane Punch into a Plastic Medium, Vitali Babakov
ENVIRONMENTAL SCIENCE, TECHNOLOGY, AND MANAGEMENT

819 • COMPUTERS AND ADVANCED TECHNOLOGY IN EDUCATION
820 • MODELLING, SIMULATION AND IDENTIFICATION
821 • ENVIRONMENTAL MANAGEMENT AND ENGINEERING

Editor: Dr. M.H. Hamza
2014, 177 pages

Hardcopy (without S&H) US $ 230.00
CD (without S&H) US $ 200.00
Online US $ 170.00
Individual Articles US $ 38.00
ISBN 978-0-88986-972-1
ISBN (CD) 978-0-88986-969-1

Topics
Adaptive e-learning and intelligent apps and tools • Cloud-based learning • Computer supported collaborative learning • Distance and online learning • Human-computer interaction • Personal learning networks • Applied mechanics • Communication, computers, control and signal processing • Etc.

Partial Contents
Reliability Modelling and Inference with Multiple Performance Characteristics, Huibing Hao and Chun Su • Modelling of Reinforced Concrete Slabs under Impact Loading, Genadijs Sagals, Nebojsa Orbovic, and Andrei Blahoianu
ORDER
HOW TO ORDER

Fill out the order form on the following page to order ACTA Press publications. Be sure to note the publication code (ISSN), publication title, total amount (including postage and handling), and desired quantity. Do not forget to provide your full name, address, and contact details. Prices are subject to change without prior notice.

We are processing all subscription orders from our Canadian office. In order to expedite your order, please make your US$ check or money order payable to Acta Press, and mail your completed order form along with your payment to:
ACTA Press, 200, 4040 Bowness Road NW
Calgary, AB-T3B 3R7 Canada

Shipping and Handling (S&H)
For orders shipped to Canada or the Continental USA:
Hard Copy Proceedings, Ground Shipping US $ 25.00
Hard Copy Proceedings, Courier Shipping US $ 50.00
CD Proceedings, Ground Shipping US $ 15.00
CD Proceedings, Courier Shipping US $ 40.00

For Orders shipped Internationally:
Hard Copy Proceedings, Regular Shipping US $ 60.00
CD Proceedings, Regular Shipping US $ 20.00
Based on locations for Courier Shipping (contact us for amount) US $ 50-120

For journal orders, note that postage and handling fees are quoted separately.
## ORDER FORM

<table>
<thead>
<tr>
<th>Titles</th>
<th>ISSN</th>
<th>Quantity</th>
<th>Amount $US</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Postage and Handling

TOTAL

### Information

- Name..............................................................................
- Organization....................................................................
- Address................................................................................
- City, State/Province.................................................... Zip/Postal code....................................................
- Country...........................................................................
- Telephone...........................................................................
- E-mail*...........................................................................

### Payment

- Cheque/bank draft enclosed for $US............................
- Charge my VISA MasterCard Card No..............................
- Signature: Expiry Date..................................................

If you wish to pay your order by wire transfer, please contact us for more details.

*Please include an e-mail address with all orders.*

www.actapress.com • sales@actapress.com • Phone: +1 (403) 288-1195 • Fax: (403) 247-6851