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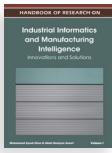
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Mohammad Ayoub Khan (Centre for Development of Advanced Computing, India), et al.
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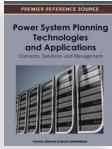
This book is the best source for the most current, relevant, cutting-edge research in the field of industrial informatics.



Computational Methods for Optimizing Manufacturing Technology: Models and Techniques

J. Paulo ISBN: 978-1-4666-0128-4; © 2012; 396 pp.

Contains the latest research developments in manufacturing technology and its optimization, and demonstrates the fundamentals of new computational approaches and the range of their potential application.



Power System Planning Technologies and Applications: Concepts, Solutions and Management

Fawwaz Elkarmi (Amman University, Jordan), et al.
ISBN: 978-1-4666-0173-4; © 2012; 297 pp.

Focuses on the technical planning of power systems, taking into account technological evolutions in equipment as well as the economic, financial, and societal factors that drive supply and demand.



Innovation in Power, Control, and Optimization: Emerging Energy Technologies

Pandian Vasant (University Technology Petronas, Malaysia), et al.
ISBN: 978-1-61350-138-2; © 2012; 396 pp.

Unites research on the development of techniques and methodologies to improve the performance of power systems, energy planning and environments, controllers and robotics.



Hybrid Algorithms for Service, Computing, and Manufacturing Systems: Routing and Scheduling Solutions

Jairo R. Montoya-Torres (Universidad de La Sabana, Colombia), et al.
ISBN: 978-1-61350-086-6; © 2012; 354 pp.

Explores research developments and applications from an interdisciplinary perspective that combine approaches from operations research, computer science, and artificial intelligence.



Advances in Monolithic Microwave Integrated Circuits for Wireless Systems: Modeling and Design Technologies

Arjuna Marzuki (Universiti Sains Malaysia, Malaysia), et al.
ISBN: 978-1-60566-886-4; © 2012; 380 pp.

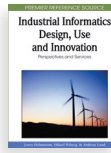
A central source of knowledge on MMIC development, containing research on theory, design, and practical approaches to integrated circuit devices.



Technologies for Electrical Power Conversion, Efficiency, and Distribution: Methods and Processes

Mihail Antchev (Technical University of Sofia, Bulgaria)
ISBN: 978-1-61520-647-6; © 2010; 348 pp.

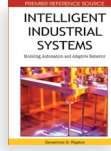
Findings compiled provide a background for discussion of the problems and opportunities of power efficiency and energy conversion in order to develop innovative ways to implement such cutting-edge technologies in the future.



Industrial Informatics Design, Use and Innovation: Perspectives and Services

Jonny Holmström (Umea University, Sweden), et al.
ISBN: 978-1-61520-692-6; © 2010; 238 pp.

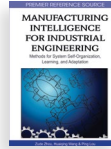
Provides a broad state-of-the-art review and shows connections and gaps in the current knowledge for researchers working in the field today.



Intelligent Industrial Systems: Modeling, Automation and Adaptive Behavior

Gerasimos Rigatos (Industrial Systems Institute & National Technical University of Athens, Greece)
ISBN: 978-1-61520-849-4; © 2010; 405 pp.

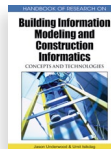
Discusses examples of research for engineers, providing an extensive background on robotics and industrial systems.



Manufacturing Intelligence for Industrial Engineering: Methods for System Self-Organization, Learning, and Adaptation

Zude Zhou (Wuhan University of Technology, China), et al.
ISBN: 978-1-60566-864-2; © 2010; 406 pp.

Focuses on the latest innovations for developing, describing, integrating, sharing, and processing intelligent activities in the process of manufacturing in engineering.



Handbook of Research on Building Information Modeling and Construction Informatics: Concepts and Technologies

Jason Underwood (University of Salford, UK), et al.
ISBN: 978-1-60566-928-1; © 2010; 756 pp.

Addresses the problems related to information integration and interoperability throughout the lifecycle of a building, from feasibility and conceptual design through to demolition and recycling stages.



Integrating Advanced Computer-Aided Design, Manufacturing, and Numerical Control: Principles and Implementations

Xun Xu (University of Auckland, NZ)
ISBN: 978-1-59904-714-0; © 2009; 424 pp.

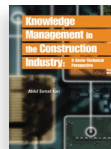
Presents basic principles of product modeling and manufacturing while featuring contemporary industrial case studies.



Nanotechnology and Microelectronics: Global Diffusion, Economics and Policy

Ndubuisi Ekeke (Johns Hopkins University, USA)
ISBN: 978-1-61692-006-7; © 2010; 538 pp.

Serves as a resource for academics, students, policymakers, and professionals interested in advancing their knowledge of nanotechnology and microelectronics.



Knowledge Management in the Construction Industry: A Socio-Technical Perspective

Abdul Samad Kazi (Technical Research Centre of Finland, Finland)
ISBN: 978-1-59140-360-9; © 2005; 424 pp.

Presents a portfolio of concepts, methods, models, and tools supported by real-life case studies from various corners of the globe providing insights into the management of knowledge in the construction industry.