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## **Sustainability of Urban Freight Transport** - Henricus Joannes Quak 2008

Although our urbanized civilization requires freight transport in order to sustain it, urban freight transport is especially recognized for its unsustainable impacts. To reduce the unsustainable impacts of urban freight transport, many local governments develop policies that focus sometimes more on banning or restricting urban transport than on making it more sustainable. In the first part of this thesis we develop a framework to structure the urban freight transport field and to review urban freight transport sustainability initiatives. The number of initiatives that is successfully implemented in practice turns out to be quite low. In the review and the following analysis, we try to find the barriers for successful implementation of the initiatives in practice. In the second part we examine the impacts of the most commonly used local sustainability policies. Six time-window scenarios and their impacts on the economical, environmental and social sustainability are examined based on a multiple case study. Time-window regulations increase both the environmental and distribution costs. Retail chains are affected differently by time-window pressure and vehicle restrictions due to differences in their logical concept. based on an experiment we examine the effects of retailers' logical decisions in combination with local sustainability policies. Next, we examine the degree to which retailers are able to deal with problems caused by time-windows. Combining the primary and secondary distribution, i.e. factory gate pricing, results in more sustainable distribution operations for the retailer and in less sensitivity towards time-window regulations.

Corporate Branding - Guido A. J. M. Berens 2004

PRINCIPLES OF PRIVATE LAW - LEXISNEXIS. 2018

## **Scalable Enterprise Systems** - Vittal Prabhu 2003-09-30

"This book will be of interest to researchers and practitioners in the field of logistics, supply chain management, transportation, enterprise integration, and information technology."--BOOK JACKET.

Evolutionary Learning: Advances in Theories and Algorithms - Zhi-Hua Zhou 2019-05-22

Many machine learning tasks involve solving complex optimization problems, such as working on non-differentiable, non-continuous, and non-unique objective functions; in some cases it can prove difficult to even define an explicit objective function. Evolutionary learning applies evolutionary algorithms to address optimization problems in machine learning, and has yielded encouraging outcomes in many applications. However, due to the heuristic nature of evolutionary optimization, most outcomes to date have been empirical and lack theoretical support. This shortcoming has kept evolutionary learning from being well received in the machine learning community, which favors solid theoretical approaches. Recently there have been considerable efforts to address this issue. This book presents a range of those efforts, divided into four parts. Part I briefly introduces readers to evolutionary learning and provides some preliminaries, while Part II presents general theoretical tools for the analysis of running time and approximation performance in evolutionary algorithms. Based on these general tools, Part III presents a number of theoretical findings on major factors in evolutionary optimization, such as recombination, representation, inaccurate fitness evaluation, and population. In closing, Part IV addresses the development of evolutionary learning algorithms with provable theoretical guarantees for several representative tasks, in which

evolutionary learning offers excellent performance.

## **Nature Inspired Computing** - Bijaya Ketan Panigrahi 2017-10-03

This volume comprises the select proceedings of the annual convention of the Computer Society of India. Divided into 10 topical volumes, the proceedings present papers on state-of-the-art research, surveys, and succinct reviews. The volumes cover diverse topics ranging from communications networks to big data analytics, and from system architecture to cyber security. This volume focuses on Nature Inspired Computing. The contents of this book will be useful to researchers and students alike.

## **Synthesis and Optimization of Digital Circuits** - Giovanni De Micheli 1994-01

This new graduate textbook in computer engineering offers a modern, up-to-date look at computer aided design of VLSI circuits at the functional and logic level by addressing an interesting topic in CAD for digital circuits: design synthesis of detailed specifications from abstract models. Topics covered include hardware modeling, compilation techniques for hardware models, high-level synthesis, logic synthesis, and library mapping algorithms. Course titles include Digital CAD, Advanced Logic Design or Complements of VLSI Design.

## **Advancing the Frontiers of Simulation** - Christos Alexopoulos 2009-09-18

This Festschrift honors George Samuel Fishman, one of the founders of the field of computer simulation and a leader of the disciplines of operations research and the management sciences for the past few decades, on the occasion of his seventieth birthday. The papers in this volume span the theory, methodology, and application of computer simulation. The lead article is appropriately titled "George Fishman's Professional Career." In this article we discuss George's contributions to operations research and the management sciences, with special emphasis on his role in the advancement of the field of simulation since the 1960s. We also include a brief personal biography together with comments by several individuals about the extraordinary effect that George has had on all his students, colleagues, and friends.

This second article, titled "A Conversation with George Fishman," is the transcript of an extended interview with George that we conducted in October 2007. In the article titled "Computer Intensive Statistical Model Building," Russell Cheng studies resampling methods for building parsimonious multiple linear regression models so as to represent accurately the behavior of the dependent variable in terms of the smallest possible subset of explanatory (independent) variables. The author shows how bootstrap resampling can be used not only for rapid identification of good models but also for efficient comparison of competing models.

*Practical Methods of Optimization: Constrained optimization* - Roger Fletcher 1980

## **Stochastic Modelling and Analysis of Warehouse Operations** - Yeming Gong 2009

This thesis has studied stochastic models and analysis of warehouse operations. After an overview of stochastic research in warehouse operations, we explore the following topics. Firstly, we search optimal batch sizes in a parallel-aisle warehouse with online order arrivals. We employ a sample path optimization and perturbation analysis algorithm to search the optimal batch size for a warehousing service provider, and a central finite difference algorithm to search the optimal batch sizes from the perspectives of customers and total systems. Secondly, we research a polling-based dynamic order picking system for online retailers. We build models to describe and analyze such systems via stochastic polling theory, find

closed-form expressions for the order line waiting times, and apply polling-based picking to online retailers. We then present closed-form analytic expressions for pick rates of order picking bucket brigades systems in different storage profiles, and show how to combine storage policies and bucket brigades protocols to improve order picking productivity. Finally, we propose a new warehouse design approach oriented to improving revenue management of public storage warehouses. Our experiments show a proper facility design can significantly improve the expected revenue of public storage warehouses.

*Bioinspired Optimization Methods and Their Applications* - Peter Korošec 2018-05-11

This book constitutes the thoroughly refereed revised selected papers of the 10th International Conference on Bioinspired Optimization Models and Their Applications, BIOMA 2018, held in Paris, France, in May 2018. The 27 revised full papers were selected from 53 submissions and present papers in all aspects of bioinspired optimization research such as new algorithmic developments, high-impact applications, new research challenges, theoretical contributions, implementation issues, and experimental studies.

**The Econometrics of Maritime Safety** - Sabine Knapp 2006

*Planning and Control of Maintenance Systems* - Salih O. Duffuaa 2015-07-11

Analyzing maintenance as an integrated system with objectives, strategies and processes that need to be planned, designed, engineered, and controlled using statistical and optimization techniques, the theme of this book is the strategic holistic system approach for maintenance. This approach enables maintenance decision makers to view maintenance as a provider of a competitive edge not a necessary evil.

Encompassing maintenance systems; maintenance strategic and capacity planning, planned and preventive maintenance, work measurements and standards, material (spares) control, maintenance operations and control, planning and scheduling, maintenance quality, training, and others, this book gives readers an understanding of the relevant methodology and how to apply it to real-world problems in industry. Each chapter includes a number exercises and is suitable as a textbook or a reference for a professionals and practitioners whilst being of interest to industrial engineering, mechanical engineering, electrical engineering, and industrial management students. It can also be used as a textbook for short courses on maintenance in industry. This text is the second edition of the book, which has four new chapters added and three chapters are revised substantially to reflect development in maintenance since the publication of the first edition. The new chapters cover reliability centered maintenance, total productive maintenance, e-maintenance and maintenance performance, productivity and continuous improvement.

*Genetic Algorithms in Search, Optimization, and Machine Learning* - David Edward Goldberg 1989

A gentle introduction to genetic algorithms. Genetic algorithms revisited: mathematical foundations. Computer implementation of a genetic algorithm. Some applications of genetic algorithms. Advanced operators and techniques in genetic search. Introduction to genetics-based machine learning. Applications of genetics-based machine learning. A look back, a glance ahead. A review of combinatorics and elementary probability. Pascal with random number generation for fortran, basic, and cobol programmers. A simple genetic algorithm (SGA) in pascal. A simple classifier system(SCS) in pascal. Partition coefficient transforms for problem-coding analysis.

*Modeling Embedded Systems and SoC's* - Axel Jantsch 2004

System level design is a critical component for the methods to develop designs more productively. But there are a number of challenges in implementing system level modeling. This book addresses that need by developing organizing principles for understanding, assessing, and comparing the different models of computation in system level modeling.

*Responsible Manufacturing* - Ammar Y. Alqahtani 2019-02-25

Responsible Manufacturing has become an obligation to the environment and to society itself, enforced primarily by customer perspective and governmental regulations on environmental issues. This is mainly driven by the escalating deterioration of the environment, such as diminishing raw material resources, overflowing waste sites, and increasing levels of pollution. Responsible Manufacturing related issues have found a large following in industry and academia, which aim to find solutions to the problems that arise in this newly emerged research area. Problems are widespread, including the ones related to the lifecycle of products, disassembly, material recovery, remanufacturing, and pollution prevention. Organized into

sixteen chapters, this book provides a foundation for academicians and practitioners, and addresses several important issues faced by strategic, tactical, and operation planners of Responsible Manufacturing. Using efficient models in a variety of decision-making situations, it provides easy-to-use mathematical and/or simulation modeling-based solution methodologies for the majority of the issues. Features Addresses a variety of state-of-the-art issues in Responsible Manufacturing Highlights how popular industrial engineering and operations research techniques can be effectively exploited to find the most effective solutions to problems Presents how a specific issue can be approached or modeled in a given decision-making situation Covers strategic, tactical, and operational systems issues Provides a foundation for academicians and practitioners interested in building bodies of knowledge in this new and fast-growing area

**Transform Your Training** - Tobias Voss 2018-02-28

Tobias Voss shows you how to turn games into high-impact interventions and how to enrich Experience-Oriented Learning methods with systemic thinking and the latest research into how the brain learns. This insightful book is a treasure trove for all lovers of real learning and a must-have for METALOG® training tools enthusiasts.

**ARIS — Business Process Modeling** - August-Wilhelm Scheer 2013-11-27

This book describes in detail how ARIS methods model and identify business processes by means of the UML (Unified Modeling Language), leading to an information model that serves as the basis for a systematic and intelligent development of application systems. Multiple real-world examples using SAP R/3 illustrate aspects of business process modeling including methods of knowledge management, implementation of workflow systems and standard software solutions, and the deployment of ARIS methods.

**Dependable Embedded Systems** - Jörg Henkel 2020-12-09

This Open Access book introduces readers to many new techniques for enhancing and optimizing reliability in embedded systems, which have emerged particularly within the last five years. This book introduces the most prominent reliability concerns from today's points of view and roughly recapitulates the progress in the community so far. Unlike other books that focus on a single abstraction level such circuit level or system level alone, the focus of this book is to deal with the different reliability challenges across different levels starting from the physical level all the way to the system level (cross-layer approaches). The book aims at demonstrating how new hardware/software co-design solution can be proposed to effectively mitigate reliability degradation such as transistor aging, processor variation, temperature effects, soft errors, etc. Provides readers with latest insights into novel, cross-layer methods and models with respect to dependability of embedded systems; Describes cross-layer approaches that can leverage reliability through techniques that are pro-actively designed with respect to techniques at other layers; Explains run-time adaptation and concepts/means of self-organization, in order to achieve error resiliency in complex, future many core systems.

**Disruption Management** - Gang Yu 2004

This pioneering book addresses the latest research findings and application results on disruption management, which is the study of how to dynamically recover a predetermined operational plan when various disruptions prevent the original plan from being executed smoothly.

*Evolutionary Multi-Criterion Optimization* - Shigeru Obayashi 2007-02-12

This book constitutes the refereed proceedings of the 4th International Conference on Evolutionary Multi-Criterion Optimization, EMO 2007, held in Matsushima, Japan in March 2007. The 65 revised full papers presented together with 4 invited papers are organized in topical sections on algorithm design, algorithm improvements, alternative methods, applications, engineering design, many objectives, objective handling, and performance assessments.

*Mathematics for 3D Game Programming and Computer Graphics* - Eric Lengyel 2002

This resource illustrates the mathematics that a game programmer would need to develop a professional-quality 3D engine. The book starts at a fairly basic level in each of several areas such as vector geometry, modern algebra, and physics, and then progresses to somewhat more advanced topics. Particular attention is given to derivations of key results, ensuring that the reader is not forced to endure gaps in the theory.

**Logic Synthesis and Optimization** - Tsutomu Sasao 1993-01-31



Logic Synthesis and Optimization presents up-to-date research information in a pedagogical form. The authors are recognized as the leading experts on the subject. The focus of the book is on logic minimization and includes such topics as two-level minimization, multi-level minimization, application of binary decision diagrams, delay optimization, asynchronous circuits, spectral method for logic design, field programmable gate array (FPGA) design, EXOR logic synthesis and technology mapping. Examples and illustrations are included so that each contribution can be read independently. Logic Synthesis and Optimization is an indispensable reference for academic researchers as well as professional CAD engineers.

NOMS 2020 2020 IEEE IFIP Network Operations and Management Symposium - IEEE Staff 2020-04-20

The IEEE IFIP NOMS is one of the world's most important conferences providing a forum for technical exchange on management of information and communication technology focusing on research, development, integration, standards, service provisioning, and user communities

**Applications of Stochastic Programming** - Stein W. Wallace 2005-01-01

Consisting of two parts, this book presents papers describing publicly available stochastic programming systems that are operational. It presents a diverse collection of application papers in areas such as production, supply chain and scheduling, gaming, environmental and pollution control, financial modeling, telecommunications, and electricity.

**Distributed Decision Making** - Christoph Schneeweiss 2003-06-17

Distributed decision making (DDM) has become of increasing importance in quantitative decision analysis. In applications like supply chain management, service operations, or managerial accounting, DDM has led to a paradigm shift. The book provides a unified approach to such seemingly diverse fields as multi-level stochastic programming, hierarchical production planning, principal agent theory, negotiations or contract theory. Different settings like multi-level one-person decision problems, multi-person antagonistic planning, and leadership situations are covered. Numerous examples and real-life planning cases illustrate the concepts. The new edition has been considerably expanded by additional chapters on supply chain management, service operations and multi-agent systems.

**Hybrid Artificial Intelligent Systems** - Enrique Onieva 2015-05-29

This volume constitutes the proceedings of the 10th International Conference on Hybrid Artificial Intelligent Systems, HAIS 2015, held Bilbao, Spain, June 2014. The 60 papers published in this volume were carefully reviewed and selected from 190 submissions. They are organized in topical sections such as data mining and knowledge discovery; video and image analysis; bio-inspired models and evolutionary computation; learning algorithms; hybrid intelligent systems for data mining and applications; classification and cluster analysis, HAIS applications.

**Leading Dynamic Seminars** - James Anderson 2017-09-16

Hands-on, practical guide helping academics to reinvigorate their seminar teaching. Ideal for new higher education staff seeking guidance as well as more experienced academics looking for tips and ideas. Covers all elements of seminar-based instruction including encouraging participation, handling sensitive topics and incorporating new technology.

**Hybrid Evolutionary Algorithms** - Crina Grosan 2007-08-29

This edited volume is targeted at presenting the latest state-of-the-art methodologies in "Hybrid Evolutionary Algorithms". The chapters deal with the theoretical and methodological aspects, as well as various applications to many real world problems from science, technology, business or commerce. Overall, the book has 14 chapters including an introductory chapter giving the fundamental definitions and some important research challenges. The contributions were selected on the basis of fundamental ideas/concepts rather than the thoroughness of techniques deployed.

Secrets of Face to Face Communication - Peter Urs Bender 2001

How can it be that in this age of sophisticated communications technology, our interpersonal communications are suffering? The answer is that few people take the time (or feel they have the time) to learn the skills needed for effective one-on-one communication. In fact, few are even aware that communication skills can be learned. Peter Urs Bender and Robert Tracz know differently. As they prove in this lively A to Z of key communication concepts, everyone can learn to communicate freely, persuasively, and with confidence. Secrets of Face-to-Face Communication is packed with helpful tips, illustrative

anecdotes, and proven systems that, when applied, will improve your business and personal relationships alike. Whether you are an entrepreneur looking for more successful interactions with clients, a manager trying to deal with difficult people, or an employee seeking more productive relationships with your boss or coworkers, you'll find what you need in Secrets of Face-to-Face Communication. So stop wasting time on avoidable misunderstandings and bad feelings -- and start communicating with power! Book jacket.

**Turnaround Management** - Tom Lenahan 1999-07-15

Manufacturing and process plants must be regularly closed down for planned maintenance operations. This may entail the complete shutdown and re-start of large-scale serial and batch operations and must be performed in as short a period of time as is cost-effective. This is the process of turnaround, and as the processes are often high value and the maintenance operations intensive, complex and costly, it is vital that it be planned and carried out effectively. Tom Lenahan is an acknowledged expert in this field, who has worked and consulted internationally, and his book will show the maintenance manager or project leader how to get the job done correctly. This will include ensuring that lost production value (including sourcing replacement capacity) is balanced against intensive maintenance costs, as well as numerous other factors that may not be obvious to the first-time shutdown manager. The book draws upon his many years of experience with ICI, and has been written in conjunction with Eutech Engineering Services Ltd. Foreword by Anthony Kelly, author of Maintenance Strategy and Maintenance Organization and Systems

**Risk-Return Analysis, Volume 2: The Theory and Practice of Rational Investing** - Harry M. Markowitz 2016-05-27

The Nobel Prize-winning Father of Modern Portfolio Theory returns with new insights on his classic work to help you build a lasting portfolio today Contemporary investing as we know it would not exist without these two words: "Portfolio selection." Though it may not seem revolutionary today, the concept of examining and purchasing many diverse stocks—creating a portfolio—changed the face of finance when Harry M. Markowitz devised the idea in 1952. In the past six decades, Markowitz has risen to international acclaim as the father of Modern Portfolio Theory (MPT), with his evaluation of the impact of asset risk, diversification, and correlation in the risk-return tradeoff. In defending the idea that portfolio risk was essential to strategic asset growth, he showed the world how to invest for the long-run in the face of any economy. In Risk Return Analysis, this groundbreaking four-book series, the legendary economist and Nobel Laureate returns to revisit his masterpiece theory, discuss its developments, and prove its vitality in the ever-changing global economy. Volume 2 picks up where the first volume left off, with Markowitz's personal reflections and current strategies. In this volume, Markowitz focuses on the relationship between single-period choices—now—and longer run goals. He discusses dynamic systems and models, the asset allocation "glide-path," inter-generational investment needs, and financial decision support systems. Written with both the academic and the practitioner in mind, this richly illustrated volume provides investors, economists, and financial advisors with a refined look at MPT, highlighting the rational decision-making and probability beliefs that are essential to creating and maintaining a successful portfolio today.

**ARIS - Business Process Frameworks** - August-Wilhelm Scheer 2012-12-06

ARIS (Architecture of Integrated Information Systems) is a unique and internationally renowned method for optimizing business processes and implementing application systems. This book enhances the proven ARIS concept by describing product flows and explaining how to classify modern software concepts. The importance of the link between business process organization and strategic management is stressed. Bridging the gap between the different approaches in business theory and information technology, the ARIS concept provides a full-circle approach—from the organizational design of business processes to IT implementation. With an emphasis on SAP R/3, real-world examples of standard software solutions illustrate these business process frameworks.

**Engineering Principles of Combat Modeling and Distributed Simulation** - Andreas Tolk 2012-03-20

Explore the military and combat applications of modeling and simulation Engineering Principles of Combat Modeling and Distributed Simulation is the first book of its kind to address the three perspectives that simulation engineers must master for successful military and defense related modeling: the operational view (what needs to be modeled); the conceptual view (how to do combat modeling); and the technical view (how to conduct distributed simulation). Through methods from the fields of operations research, computer

science, and engineering, readers are guided through the history, current training practices, and modern methodology related to combat modeling and distributed simulation systems. Comprised of contributions from leading international researchers and practitioners, this book provides a comprehensive overview of the engineering principles and state-of-the-art methods needed to address the many facets of combat modeling and distributed simulation and features the following four sections: Foundations introduces relevant topics and recommended practices, providing the needed basis for understanding the challenges associated with combat modeling and distributed simulation. Combat Modeling focuses on the challenges in human, social, cultural, and behavioral modeling such as the core processes of "move, shoot, look, and communicate" within a synthetic environment and also equips readers with the knowledge to fully understand the related concepts and limitations. Distributed Simulation introduces the main challenges of advanced distributed simulation, outlines the basics of validation and verification, and exhibits how these systems can support the operational environment of the warfighter. Advanced Topics highlights new and developing special topic areas, including mathematical applications for combat modeling; combat modeling with high-level architecture and base object models; and virtual and interactive digital worlds. Featuring practical examples and applications relevant to industrial and government audiences, *Engineering Principles of Combat Modeling and Distributed Simulation* is an excellent resource for researchers and practitioners in the fields of operations research, military modeling, simulation, and computer science. Extensively classroom tested, the book is also ideal for courses on modeling and simulation; systems engineering; and combat modeling at the graduate level.

**Biomedical Engineering Fundamentals** - Joseph D. Bronzino 2014-12-17

Known as the bible of biomedical engineering, *The Biomedical Engineering Handbook, Fourth Edition*, sets the standard against which all other references of this nature are measured. As such, it has served as a major resource for both skilled professionals and novices to biomedical engineering. *Biomedical Engineering Fundamentals*, the first volume of the handbook, presents material from respected scientists with diverse backgrounds in physiological systems, biomechanics, biomaterials, bioelectric phenomena, and neuroengineering. More than three dozen specific topics are examined, including cardiac biomechanics, the mechanics of blood vessels, cochlear mechanics, biodegradable biomaterials, soft tissue replacements, cellular biomechanics, neural engineering, electrical stimulation for paraplegia, and visual prostheses. The material is presented in a systematic manner and has been updated to reflect the latest applications and research findings.

**Harmony Search Algorithm** - Joong Hoon Kim 2015-08-08

The Harmony Search Algorithm (HSA) is one of the most well-known techniques in the field of soft computing, an important paradigm in the science and engineering community. This volume, the proceedings of the 2nd International Conference on Harmony Search Algorithm 2015 (ICHSA 2015), brings together contributions describing the latest developments in the field of soft computing with a special focus on HSA techniques. It includes coverage of new methods that have potentially immense application in various fields. Contributed articles cover aspects of the following topics related to the Harmony Search Algorithm: analytical studies; improved, hybrid and multi-objective variants; parameter tuning; and large-scale applications. The book also contains papers discussing recent advances on the following topics: genetic algorithms; evolutionary strategies; the firefly algorithm and cuckoo search; particle swarm

optimization and ant colony optimization; simulated annealing; and local search techniques. This book offers a valuable snapshot of the current status of the Harmony Search Algorithm and related techniques, and will be a useful reference for practising researchers and advanced students in computer science and engineering.

*Evolutionary Optimization* - Ruhul Sarker 2006-04-11

Evolutionary computation techniques have attracted increasing attention in recent years for solving complex optimization problems. They are more robust than traditional methods based on formal logics or mathematical programming for many real world OR/MS problems. Evolutionary computation techniques can deal with complex optimization problems better than traditional optimization techniques. However, most papers on the application of evolutionary computation techniques to Operations Research /Management Science (OR/MS) problems have scattered around in different journals and conference proceedings. They also tend to focus on a very special and narrow topic. It is the right time that an archival book series publishes a special volume which includes critical reviews of the state-of-art of those evolutionary computation techniques which have been found particularly useful for OR/MS problems, and a collection of papers which represent the latest development in tackling various OR/MS problems by evolutionary computation techniques. This special volume of the book series on Evolutionary Optimization aims at filling in this gap in the current literature. The special volume consists of invited papers written by leading researchers in the field. All papers were peer reviewed by at least two recognised reviewers. The book covers the foundation as well as the practical side of evolutionary optimization.

**Electronic Government Strategies and Implementation** - Huang, Wayne 2004-09-30

Digital government is a new frontier of the development of electronic commerce. *Electronic Government Strategies and Implementation* is a timely piece to address the issues involved in strategically implementing digital government, covering the various aspects of digital government strategic issues and implementations from the perspectives of both developed and developing countries. This book combines e-government implementation experiences from both developed and developing countries, and is useful to researchers and practitioners in the area as well as instructors teaching courses related to digital government and/or electronic commerce.

*Artificial Intelligence XXXVI* - Max Bramer 2019-12-09

This book constitutes the proceedings of the 39th SGAI International Conference on Innovative Techniques and Applications of Artificial Intelligence, AI 2019, held in Cambridge, UK, in December 2019. The 29 full papers and 14 short papers presented in this volume were carefully reviewed and selected from 49 submissions. The volume includes technical papers presenting new and innovative developments in the field as well as application papers presenting innovative applications of AI techniques in a number of subject domains. The papers are organized in the following topical sections: machine learning; knowledge discovery and data mining; agents, knowledge acquisition and ontologies; medical applications; applications of evolutionary algorithms; machine learning for time series data; applications of machine learning; and knowledge acquisition.

*Logic Synthesis for FSM-Based Control Units* - Alexander Barkalov 2009-11-25

This book presents the hardware implementation of control algorithms represented by graph-schemes of algorithm. It includes new methods of logic synthesis and optimization for logic circuits of Mealy and Moore FSMs oriented on both ASIC and FPLD.