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Dynamic Fleet Management-Vasileios S. Zeimpekis 2007-10-05 This book focuses on real time management of distribution systems, integrating the latest results in system design, algorithm development and system implementation to capture the state-of-the art research and application trends. The book important topics such as goods dispatching, couriers, rescue and repair services, taxi cab services, and more. The book includes real-life case studies that describe the solution to actual distribution problems by combining systemic and algorithmic approaches.

Fleet Management and Logistics-Teodor G. Crainic 2012-12-06 TEODOR GABRIEL CRAINIC, DIRECTOR The Centre for Research on Transportation (C.R.T.) was founded in 1971 by the Universite de Montreal. From 1988 on, it is jointly managed by the Universite de Montreal and its affiliated schools, the Ecole des Hautes Etudes Commerciales and Ecole Poly technique. Professors, students and researchers from many institutions in the Montreal area join forces at the C.R.T. to analyze transportation, logistics and telecommunication systems from a multidisciplinary perspective. The C.R.T. pursues three major, complementary objectives: training of high-level specialists; the advancement of knowledge and technology; the transfer of technology towards industry and the public sector. Its main field of expertise is the develop ment of quantitative and computer-based models and methods for the analysis of urban, regional and intercity transportation networks, as well as telecommunication systems. This applies to the study of passenger and commodity flows, as well as to the socioeconomic aspects of transportation: policy, regulation, economics. The twenty-fifth anniversary of the C.R.T. offered the opportunity to evaluate past accomplishments and to identify future trends and challenges. Five colloquia were thus organized on major research and application themes that also reflected our main research areas. They gathered together internationally renowned researchers who linked recent scientific and technological advances to modeling and methodological challenges waiting to be tackled, particularly concerning new problems and applica tions, and the increasingly widespread use of new technologies.

Optimization Models for Rail Car Fleet Management-Milos Milenkovic 2019-09-09 Optimization Models for Rail Car Fleet Management represents the result of multi-year efforts to provide readers with insights into one of the most important areas of railway transport management. The book covers mathematical procedures for the effective and efficient utilization of railway freight cars, developed models for optimization methods, heterogeneity and partial substitutability of freight cars, research and development in rail freight car fleet management models, and the stochastic and dynamic nature of the supply, demand and traveling time of freight cars, among other topics. Summarizes the authors past research efforts in the field of rail freight car fleet management Presents various approaches that include the application of a variety of optimization techniques Contains centralized, decentralized, distributed perspectives considered under the assumption of deterministic, stochastic, fuzzy and fuzzy stochastic parameters

Handbook on Modelling for Discrete Optimization-Gautam M. Appa 2006-08-18 This book aims to demonstrate and detail the pervasive nature of Discrete Optimization. The handbook couples the difficult, critical-thinking aspects of mathematical modeling with the hot area of discrete optimization. It is done with an academic treatment outlining the state-of-the-art for researchers across the domains of the Computer Science, Math Programming, Applied Mathematics,

Engineering, and Operations Research. The book utilizes the tools of mathematical modeling, optimization, and integer programming to solve a broad range of modern problems.

Discrete Wavelet Transformations-Patrick J. Van Fleet 2019-04-09 Updated and Expanded Textbook Offers Accessible and Applications-First Introduction to Wavelet Theory for Students and Professionals The new edition of Discrete Wavelet Transformations continues to guide readers through the abstract concepts of wavelet theory by using Dr. Van Fleet's highly practical, application-based approach, which reflects how mathematicians construct solutions to challenges outside the classroom. By introducing the Haar, orthogonal, and biorthogonal filters without the use of Fourier series, Van Fleet allows his audience to connect concepts directly to real-world applications at an earlier point than other publications in the field. Leveraging extensive graphical displays, this self-contained volume integrates concepts from calculus and linear algebra into the constructions of wavelet transformations and their applications, including data compression, edge detection in images and denoising of signals. Conceptual understanding is reinforced with over 500 detailed exercises and 24 computer labs. The second edition discusses new applications including image segmentation, pansharpener, and the FBI fingerprint compression specification. Other notable features include: Two new chapters covering wavelet packets and the lifting method A reorganization of the presentation so that basic filters can be constructed without the use of Fourier techniques A new comprehensive chapter that explains filter derivation using Fourier techniques Over 120 examples of which 91 are "live examples," which allow the reader to quickly reproduce these examples in Mathematica or MATLAB and deepen conceptual mastery An overview of digital image basics, equipping readers with the tools they need to understand the image processing applications presented A complete rewrite of the DiscreteWavelets package called WaveletWare for use with Mathematica and MATLAB A website, www.stthomas.edu/wavelets, featuring material containing the WaveletWare package, live examples, and computer labs in addition to companion material for teaching a course using the book Comprehensive and grounded, this book and its online components provide an excellent foundation for developing undergraduate courses as well as a valuable resource for mathematicians, signal process engineers, and other professionals seeking to understand the practical applications of discrete wavelet transformations in solving real-world challenges.

Purchasing-Andrew H. Feinstein 2017-04-03 Purchasing: Selection and Procurement for the Hospitality Industry, 9th Edition is a learning-centered text that includes several pedagogical enhancements to help students quickly acquire and retain important information. It is written for those who will be involved with some phase of purchasing throughout their hospitality careers. This text covers product information as well as management of the purchasing function, and how this relates to a successful operation. It also acts as a comprehensive reference guide to the selection and procurement functions within the hospitality industry. Purchasing: Selection and Procurement for the Hospitality Industry is the comprehensive and up-to-date hospitality purchasing text available today.

Network Modeling, 2005-National Research Council (U.S.). Transportation Research Board 2005 "No. 1923 explores modeling for online dispatching and routing of emergency vehicles, estimating a truck origin/destination matrix based on the value of the commodity shipped, evaluating flexible transit system designs with microsimulation, planning advance strategies for the management of major freeway incidents, and predicting bus arrival times."--pub. website.

Effective Commercial Truck and Bus Safety Management Techniques-Ronald R. Knipling 2003-01-01 TRB's Commercial Truck and Bus Safety Synthesis Program (CTBSSP) Synthesis 1: Effective Commercial Truck and Bus Safety Management Techniques focuses on the problems commercial truck and bus fleet managers confront, and the methods that are available to address problems in the areas of driver and vehicle safety, and more.

Discrete Wavelet Transformations-Patrick J. Van Fleet 2008-01-18 Van Fleet's book takes an 'applications first' approach, allowing students to immediately and easily learn about applications in the real world of digital signal/image processing. Problems are solved in an ad-hoc manner, which gives way to a more general development model midway through the text.

Consultants & Consulting Organizations Directory- 2000

Applications of Stochastic Programming-Stein W. Wallace 2005-06-01 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.

Geomatica- 2008

World Highways- 1994

Safety in Student Transportation- 2006

Voice & Data- 2003

Optimization in Transportation-Martine Labbé 2006

INFORMS Conference Program-Institute for Operations Research and the Management Sciences. National Meeting 2008

ID Systems- 2000-09

Transportation Research Record- 1974

Traveler Behavior and Values, 2003-National Research Council (U.S.). Transportation Research Board 2003

Proceedings of the 2nd International Conference on Automated Guided Vehicle Systems and 16th IPA Conference, Stuttgart, W. Germany, 7-9 June 1983-Hans-Jürgen Warnecke 1983

Transportation Science- 2006

SIAM journal on algebraic and discrete methods- 1982

Designing Wireless Information Services-Johan Hjelm 2000-06-28 A step-by-step guide on how to design Web sites and information applications to take advantage of the explosive growth in mobile device access Designing Wireless Information Services With the dramatic increase in wireless access to the Internet, it's critical that your information is accessible to mobile users. This is the first book that clearly explains how to design user interfaces for mobile applications and Web sites that work in the mobile environment. Author Johan Hjelm cuts to the chase by showing how existing Web sites can be redesigned to work with wireless devices, cellular phones, and PDAs, and take advantage of the special properties of the current and next generation mobile networks. He provides step-by-step guidance on how to set up a Web site for mobile access using open standards such as the Wireless Application Protocol (WAP) and XML. Explanations and case studies illustrate how the new technologies will work with existing database applications and systems. Focusing on the underlying applications, this book will help you: * Gain a better understanding of the new mobile systems market * Design the information set for a Web site * Optimize a Web site for mobile access * Learn how XML, WML, and XHTML work, and how XSLT ties them all together * Build mobile applications using the next generation of technology The CD-ROM includes: * Ericsson WAPIDE SDK * WMLLIB PERL and JAFFA Java libraries * HTML Tidy software The author's Web site at www.wireless-information.net features: * Direct links to sites mentioned in the book * Updated information Visit our Web site at www.wiley.com/compbooks/

Transportation & Distribution- 1996

The British National Bibliography-Arthur James Wells 2003

Annual Index/Abstracts of SAE Technical Papers, 2007-Society of Automotive Engineers 2008-08

Dissertation Abstracts International- 2007

The Vehicle Routing Problem: Latest Advances and New Challenges-Bruce L. Golden 2008-07-20 In a unified and carefully developed presentation, this book systematically examines recent developments in VRP. The book focuses on a portfolio of significant technical advances that have evolved over the past few years for modeling and solving vehicle routing problems and VRP variations. Reflecting the most recent scholarship, this book is written by one of the top research scholars in Vehicle Routing and is one of the most important books in VRP to be published in recent times.

Germany's High Sea Fleet in the World War-Reinhard Scheer 2014-04-30 Anglo-German naval rivalry before 1914 had been expected to culminate in a cataclysmic fleet action in the North Sea once war was declared, a battle upon which the outcome of the war would depend: yet the two fleets met only once, at Jutland in 1916, and the battle was far from conclusive. In his own account of the war in the North Sea, first published in 1920, Admiral Scheer, the German commander at Jutland, gives his own explanation for the failure of either fleet to achieve the decisive victory expected of it, particularly the failure of his own operation plans that resulted in the battle of Jutland. This book is an invaluable account of one of the most important theatres of the First World War, written by one of its most senior commanders.

Combinatorial Methods of Discrete Programming-László Béla Kovács 1980

Enterprise Interoperability-Matthieu Lauras 2015-01-05 Enterprises and organizations of any kind embedded in today's economic environment are deeply dependent on their ability to take part in collaborations. Consequently, it is strongly required for them to get actively involved for their own benefit in emerging, potentially opportunistic collaborative enterprise networks. The concept of "interoperability" has been defined by INTEROP-VLab as "The ability of an enterprise system or application to interact with others at a low cost in a flexible approach". Consequently, interoperability of organizations appears as a major issue to succeed in building on the fly emerging enterprise networks. The International Conference on Interoperability for Enterprise Systems and Applications (I-ESA 2014) was held under the motto "interoperability for agility, resilience and plasticity of collaborations" on March 26-28, 2014 and organized by the Ecole des Mines d'Albi-Carmaux, France on behalf of the European Laboratory for Enterprise Interoperability (INTEROP-VLab). On March 24-25, co-located with the conference eight workshops and one doctoral symposium were held in four tracks complementing the program of the I-ESA'14 conference. The workshops and the doctoral symposium address areas of greatest current activity focusing on active discussions among the leading researchers in the area of Enterprise Interoperability. This part of the conference helps the community to operate effectively, building co-operative and supportive international links as well as providing new knowledge of on-going research to practitioners. The workshops and doctoral symposium aimed at exploiting new issues, challenges and solutions for Enterprise Interoperability (EI) and associated domains of innovation such as Smart Industry, Internet-Of-Things, Factories of the Future, EI Applications and Standardisation. These proceedings include the short papers from the I-ESA'14 workshops and the doctoral symposium. The book is split up into 9 sections, one for each workshop and one for the doctoral symposium. All sections were organized following four tracks: (1) EI and Future Internet / Factory of the Future; (2) EI Application Domains and IT; (3) EI Standards; (4) EI Doctoral Symposium. For each section, a workshop report is provided summarizing the content and the issues discussed during the sessions. The goal of the first track was to offer a discussion opportunity on interoperability issues regarding the use of Internet of Things on manufacturing environment (Workshops 1 and 3) on one hand, and regarding the potential of innovation derived from the use of digital methods, architectures and services such as Smart Networks (Workshops 2 and 4) on the other hand. The second track focused on particular application domains that are looking for innovative solutions to support their strong collaborative needs. Thus, the track developed one workshop on the use of EI solution for Future City-Logistics (Workshop 5) and one on the use of EI solutions for Crisis / Disaster Management (Workshop 6). The third track studied the recent developments in EI standardization. Two workshops were dedicated to this issue. The first one has proposed to focus on the management of standardization (Workshop 8) and the second one has chosen to work on the new knowledge on standardization developments in the manufacturing service domain (Workshop 9). The last track, the doctoral symposium presented research results from selected dissertations. The session discussed EI knowledge issues, notably in terms of gathering through social networks or Internet of Things and of exploitation through innovative decision support systems.

Automotive Engineering International- 2005

Journal of Zhejiang University- 2006

Signals- 1995

Multiobjective Discrete and Combinatorial Optimization-Matthias Ehrgott 2006

Adaptive and Natural Computing Algorithms-Marco Tomassini 2013-04-12 The book constitutes the refereed proceedings of the 11th International Conference on Adaptive and Natural Computing Algorithms, ICANNGA 2013, held in Lausanne, Switzerland, in April 2013. The 51 revised full papers presented were carefully reviewed and selected from a total of 91 submissions. The papers are organized in topical sections on neural networks, evolutionary computation, soft computing, bioinformatics and computational biology, advanced computing, and applications.

Broadband Telecommunications Handbook-Bates 2002-05-25 In this one-of-a-kind, jargon-free volume, renowned communications expert and instructor Bud Bates breaks down every broadband technology and explains it by function, subjecting each to 3 questions: what is it, what will it do for me, and what is it going to cost me. * The leading title in the field, heavily updated to reflect the latest technologies * New chapters on MPLS (MultiProtocol Label Switching), 2.5/3G wireless, GPRS (General Packet Radio Service), MMDS (Microwave Multi-Point Distribution System), and more * Valuable to both technical and business people * Emphasizes key concepts and techniques for getting the job done right

Broadband Telecommunications Handbook-Regis "Bud" Bates 1999-12-21 The master key to unlock broadband technologies. At last there's a comprehensive, up-to-date, jargon-free guide ready to help you stay on top of the broadband revolution! Focusing on the convergence of telecommunications and computer technology, Broadband Telecommunications Handbook, by Regis J. "Bud" Bates, helps you make sense of your opportunities and choices in deploying basic telecommunications systems...virtual private networks...advanced intelligent networks...computer-to-telephony integration (CTI)...paging technologies...radio-based systems and microwave...analog and digital cellular communications...Internet/Intranets/Extranets...broadband personal communications services...and much more. You also get time-saving decision support on: *Signaling system #7 *Call center technologies and applications *Frame Relay/ATM internetworking *Cable TV systems and modem technologies plus xDSL data transmission solutions *Data over power lines *SONET *Real Time Transfer Protocols (RTTP) *Much, much more

Space Transportation-Walter Edward Hammond 1999 Annotation This practical book gives young professionals all the information they need to know to get started in the space business. It takes you step-by-step through processes for systems engineering and acquisition, design and development, cost analysis, and program planning and analysis. You'll find the systems engineering and design process that applies to all space transportation systems, then the overall system architecture considerations that also apply to all space transportation systems. There is also detailed coverage of space launch vehicles by class, including the current space shuttle, other manned reusable systems, expendable systems, and future systems. A companion CD-ROM contains the Operations Simulation and Analysis Modeling System software.

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