
Computational Logistics 6th International Conference Iccl 2015 Delft The Netherlands September 23 25 2015 Proceedings Lecture Notes In Computer Science

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MELENDEZ VANG

Computational Logistics Springer

This policy-oriented jurisprudence presents the latest research findings on legal challenges faced by the international regulatory framework, as posed by the increasing deployment of uncrewed vessels at sea. It is the first publication that offers discussions and opinions reflecting a combined international and comparative (especially, eastern) perspective. The contributors from multiple jurisdictions elaborate on legal implications of the use of uncrewed vessels for military, commercial, scientific-research, and law-enforcement purposes from such diverse angles as the

law of the sea, international humanitarian law, the law of war, global shipping regulation, marine environment protection, cybersecurity, and artificial intelligence and law.

Computational Logistics Springer Nature

This book constitutes the refereed proceedings of the 5th International Conference on Computational Logistics, ICCL 2014, held in Valparaiso, Chile, in September 2014. The 11 papers presented in this volume were carefully reviewed and selected for inclusion in the book. They are organized in topical sections entitled: optimization of transport problems; container terminal applications; simulation and environmental sustainability applications.

Advances in Computational Logistics and Supply Chain Analytics
 IGI Global

This book constitutes the refereed proceedings of the 9th International Conference on Computational Logistics, ICCL 2018,

held in Vietri sul Mare, Italy, in October 2018. The 32 full papers presented were carefully reviewed and selected from 71 submissions. They are organized in topical sections as follows: maritime shipping and routing, container handling and container terminals, vehicle routing and multi-modal transportation, network design and scheduling, logistics oriented combinatorial optimization.

ICIW2011-Proceedings of the 6th International Conference on Information Warfare and Security Springer

This book provides a complete picture of several decision support tools for predictive maintenance. These include embedding early anomaly/fault detection, diagnosis and reasoning, remaining useful life prediction (fault prognostics), quality prediction and self-reaction, as well as optimization, control and self-healing techniques. It shows recent applications of these techniques within various types of industrial (production/utilities/equipment/plants/smart devices, etc.) systems addressing several challenges in Industry 4.0 and different tasks dealing with Big Data Streams, Internet of Things, specific infrastructures and tools, high system dynamics and non-stationary environments. Applications discussed include production and manufacturing systems, renewable energy production and management, maritime systems, power plants and turbines, conditioning systems, compressor valves, induction motors, flight simulators, railway infrastructures, mobile robots, cyber security and Internet of Things. The contributors go beyond state of the art by placing a specific focus on dynamic systems, where it is of utmost importance to update system and maintenance models on the fly to maintain their predictive power.

Applied Computational Intelligence, Proceedings Of The 6th International Flins Conference Taylor & Francis

This book demonstrates the success of Ambient Intelligence in providing possible solutions for the daily needs of humans. The book addresses implications of ambient intelligence in areas of domestic living, elderly care, robotics, communication, philosophy and others. The objective of this edited volume is to show that Ambient Intelligence is a boon to humanity with conceptual, philosophical, methodical and applicative understanding. The book also aims to schematically demonstrate developments in the direction of augmented sensors, embedded systems and behavioral intelligence towards Ambient Intelligent Networks or Smart Living Technology. It contains chapters in the field of Ambient Intelligent Networks, which received highly positive feedback during the review process. The book contains research work, with in-depth state of the art from augmented sensors, embedded technology and artificial intelligence along with cutting-edge research and development of technologies and applications of Ambient Intelligent Networks. This book is intended to introduce ideas, methods, technologies of the future development of humanity, Science and Technology.

Research Handbook on Maritime Law and Regulation Elsevier

This book constitutes the refereed proceedings of the 13th International Conference on Computational Logistics, ICCL 2023, held in Berlin, Germany, during September 6-8, 2023. The 32 full papers presented in this volume were carefully reviewed and selected from 71 submissions. They are grouped into the following topics: computational logistics; maritime shipping; vehicle routing; traffic and transport; and combinatorial optimization.

Decarbonizing Freight Transport BRILL

This book introduces the advances in synchromodal logistics and provides a framework to classify various optimisation problems in this field. It explores the application of this framework to solve a broad range of problems, such as problems with and without a

central decision-maker, problems with and without full information, deterministic problems, problems coping with uncertainty, optimisation of a full network design problem. It covers theoretical constructs, such as discrete optimisation, robust optimisation, optimisation under uncertainty, multi-objective optimisation and agent based equilibrium models. Moreover, practical elaborated use cases are presented to deepen understanding. The book gives both researchers and practitioners a good overview of the field of synchromodal optimisation problems and offers the reader practical methods for modelling and problem-solving.

Computational Logistics Springer Nature

This book includes original, peer-reviewed research papers from the International Conference on Internet of Things, Communication and Intelligent Technology (IoTICIT) 2022. It contains the application of communication and IoT engineering in the age of intelligent technology+ from the standpoint of disciplinary integration, combining theory and associated IoT and intelligent technology algorithms. The topics cover the full range of IoT solutions, from IoT to network security, and focus on many forms of communication, such as Next Generation (6G) Mobile Communication, D2D, and M2M Communication. Additionally, it examines Intelligent Technology, with a focus on Information System Modeling and Simulation. It also explores Cloud Computing, Pervasive and Mobile Computing, Distributed Computing, High Performance Computing, and Ubiquitous Computing.

Proceedings of the Sixth International Conference on Management Science and Engineering Management Springer

This book constitutes the proceedings of the 11th International Conference on Computational Logistics, ICCL 2020, held in Enschede, The Netherlands, in September 2020. The 49 papers included in this book were carefully reviewed and selected from 73 submissions. They were organized in topical sections named: maritime and port logistics; vehicle routing and scheduling; freight distribution and city logistics; network design and scheduling; and selected topics in logistics. Due to the Corona pandemic ICCL 2020 was held as a virtual event.

Developing Eco-Cities Through Policy, Planning, and Innovation: Can It Really Work? Springer Nature

This book constitutes the refereed proceedings of the 12th International Conference on Computational Logistics, ICCL 2021, held in September 2021. Due to COVID-19 pandemic the conference was held virtually. The 42 full papers were carefully reviewed and selected from 111 submissions. They detail the interface of complex logistics systems and advanced computational methods from the fields of operations research, business analytics, and artificial intelligence. The papers are organized in topical sections named maritime and port logistics; supply chain and production management; urban transport and collaborative logistics; routing, dispatching, and scheduling; air logistics and multi-modal transport.

Megacities and Rapid Urbanization: Breakthroughs in Research and Practice Springer Nature

This open access proceedings includes original, unpublished, peer-reviewed research papers from the International Conference on Wireless Communications, Networking and Applications (WCNA2021), held in Berlin, Germany on December 17-19th, 2021. The topics covered include but are not limited to wireless communications, networking and applications. The papers showcased here share the latest findings on methodologies, algorithms and applications in communication and network, making the book a valuable asset for professors, researchers, engineers, and university students alike. This is an open access

book.

Computational Logistics Springer Nature

Welcome to the proceedings of the Sixth International Conference on Management Science and Engineering Management (ICMSEM2012) held from November 11 to 14, 2012 at Quaid-i-Azam University, Islamabad, Pakistan and supported by Sichuan University (Chengdu, China), Quaid-i-Azam University (Islamabad, Pakistan) and The National Natural Science Foundation of China. The International Conference on Management Science and Engineering Management is the annual conference organized by the International Society of Management Science and Engineering Management. The goals of the Conference are to foster international research collaborations in Management Science and Engineering Management as well as to provide a forum to present current research results. The papers are classified into 8 sections: Computer and Networks, Information Technology, Decision Support System, Industrial Engineering, Supply Chain Management, Project Management, Manufacturing and Ecological Engineering. The key issues of the sixth ICMSEM cover various areas in MSEM, such as Decision Support System, Computational Mathematics, Information Systems, Logistics and Supply Chain Management, Relationship Management, Scheduling and Control, Data Warehousing and Data Mining, Electronic Commerce, Neural Networks, Stochastic models and Simulation, Heuristics Algorithms, Risk Control, and Carbon Credits.

Smart Ships Springer

This book constitutes the refereed proceedings of the 12th International Conference on Computational Logistics, ICCL 2021, held in September 2021. Due to COVID-19 pandemic the conference was held virtually. The 42 full papers were carefully reviewed and selected from 111 submissions. They detail the interface of complex logistics systems and advanced computational methods from the fields of operations research, business analytics, and artificial intelligence. The papers are organized in topical sections named maritime and port logistics; supply chain and production management; urban transport and collaborative logistics; routing, dispatching, and scheduling; air logistics and multi-modal transport.

Maritime Ports, Supply Chains and Logistics Corridors Edward Elgar Publishing

FUZZY LOGIC APPLICATIONS IN COMPUTER SCIENCE AND MATHEMATICSTICS The prime objective of developing this book is to provide meticulous details about the basic and advanced concepts of fuzzy logic and its all-around applications to different fields of mathematics and engineering. The basic steps of fuzzy inference systems starting from the core foundation of the fuzzy concepts are presented in this book. The fuzzy theory is a mathematical concept and, at the same time, it is applied to many versatile engineering fields and research domains related to computer science. The fuzzy system offers some knowledge about uncertainty and is also related to the theory of probability. A fuzzy logic-based model acts as the classifier for many different types of data belonging to several classes. Covered in this book are topics such as the fundamental concepts of mathematics, fuzzy logic concepts, probability and possibility theories, and evolutionary computing to some extent. The combined fields of neural network and fuzzy domain (known as the neuro-fuzzy system) are explained and elaborated. Each chapter has been produced in a very lucid manner, with grading from simple to complex to accommodate the anticipated different audiences. The application-oriented approach is the unique feature of this book. Audience This book will be read and used by a broad audience including applied mathematicians, computer scientists, and industry engineers.

Index of Conference Proceedings Received IGI Global

This book constitutes the refereed proceedings of the 7th International Conference on Computational Logistics, ICCL 2016, held in Lisbon, Portugal, in September 2016. The 29 papers presented in this volume were carefully reviewed and selected for inclusion in the book. They are organized in topical sections entitled: container terminals and maritime transportation; intermodal transport; location and routing; (general) logistics and supply chain management.

Trends in Ambient Intelligent Systems Springer

This book presents the latest technologies and operational methods available to support sustainable freight transport practices. It highlights market requirements, cutting edge applications, and case studies from innovators in the logistics services industry. The goal is to help bridge the gap between advanced computational techniques and complex applied problems such as those in sustainable transport and logistics operations. Freight transport has traditionally focused on costs and service levels. However, it is no longer possible or socially responsible to neglect the environmental, social, climate, and energy implications of the freight moving globally. This book places sustainability at the forefront of the freight transport agenda. Sustainable Freight Transport: Theory, Models and Case Studies is divided into three sections. Section I focuses on green freight transport policies for air and marine ports. Section II is devoted to using modelling techniques and optimization for achieving sustainable freight transport, while Section III examines policies to support sustainable freight transport practices in urban areas. The contributions come from authors from different areas, backgrounds, and countries to cover a global perspective.

Adaptive and Natural Computing Algorithms Springer Nature

This book aims to highlight the interrelations between maritime ports, supply chains and logistics. Inland corridors could be defined as major arteries for inland transportation from and to the maritime port. They link together one or several ports located on the maritime range with one or several major inland metropolitan areas. The efficiency of international supply chains depends not only on the smooth operations in the port but also on the efficiency of inland distribution in terms of cost, reliability, added value services for the goods, safety and finally the environment. With contributions from international experts, the book offers a transversal perspective on logistics corridor development using case studies on the Seine Axis, among others. Organized into four key sections, the book highlights the interrelations between ports and corridors using both empirical and theoretical research from various disciplines, including engineering as well as human and social sciences. Maritime Ports, Supply Chains and Logistics Corridors will be directly relevant to a wide variety of scholars and postgraduate researchers in the fields of transport studies and management, maritime logistics, supply chain management and international logistics as well as industrial engineering, geography, economics and political science.

Information and Communication Technology for Intelligent Systems IGI Global

There have been important developments in commercial practice, technology, shipping infrastructure and sustainability policies in recent times. This Research Handbook examines the major themes surrounding the thinking and studies of maritime law and practice. The stellar panel of contributors take a diverse range of approaches to identify any emerging theoretical and conceptual perspectives in law on what is essentially a fast paced sector of the global economy.

Computational Logistics Springer

As the global population continues to increase, it has become necessary to find ways to handle this increase through various policy tools that address population growth and urbanization problems. The urbanization process has both potential issues and opportunities that need to be exploited to move societies forward. *Megacities and Rapid Urbanization: Breakthroughs in Research and Practice* examines trends, challenges, issues, and strategies related to population growth and rapid urbanization and its impact on urban environments. The book also explores the use of different governance approaches in addressing challenges and different tools and systems of appropriate allocation to address issues. This publication is an ideal reference source for academicians, students, practitioners, professionals,

managers, urban planners, and government officials. *Proceeding of 2021 International Conference on Wireless Communications, Networking and Applications* CRC Press This book gathers papers addressing state-of-the-art research in all areas of information and communication technologies and their applications in intelligent computing, cloud storage, data mining and software analysis. It presents the outcomes of the Fourth International Conference on Information and Communication Technology for Intelligent Systems, which was held in Ahmedabad, India. Divided into two volumes, the book discusses the fundamentals of various data analysis techniques and algorithms, making it a valuable resource for researchers and practitioners alike.

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