Modelling Public Transport Passenger Flows In The Era Of Intelligent Transport Systems Cost Action Tu1004 Transits Springer Tracts On Transportation And Traffic

Modelling Public Transport Passenger Flows in the Era of Intelligent Transport Systems **Modelling Passenger Flows in Public Transport Facilities Modelling Public Transport Passenger Flows in the Era of Intelligent Transport Systems** *Port Economics, Management and Policy* **The Geography of Transport Systems Analysis of Rail and Air Passenger Flows Between London and Glasgow Using Box-Jenkins Methods** LISS 2020 *Modelling of the Interaction of the Different Vehicles and Various Transport Modes* **Decision Sciences and Applications in the Transportation Sector Transit Capacity and Quality of Service Manual The new East West corridor** Proceedings of the 4th International Conference on Electrical and Information Technologies for Rail Transportation (EITRT) 2019 A Development Guide for Domestic Airport Terminal Passenger Facilities **Advances in Artificial Systems for Medicine and Education V Information and Decision Sciences Railways and Sustainable Low-Carbon Mobility in China Design of transportation networks for time dependent flows** Technical Report - National Institute for Transport and Road Research *Public Transport Planning with Smart Card Data* **The Performance and Potential of Light Rail Transit in Developing Cities Information Technology and Intelligent Transportation Systems** *The Role of Infrastructure in Improving Public Transport Performance* **International Symposium for Intelligent Transportation and Smart City (ITASC) 2019 Proceedings** *2021 6th International Conference on Intelligent Transportation Engineering (ICITE 2021) Green Intelligent Transportation Systems* **Multimedia Technology IV Passenger Transport Services in the Dublin Area** *Proceedings of the 3rd International Conference on Electrical and Information Technologies for Rail Transportation (EITRT) 2017* **Design for Passenger Transport Transport Flow Data** *World Of 5g, The (In 5 Volumes)* **Rail Transport Infrastructure** *Regional Science Perspectives on Tourism and Hospitality Securing the Future of U.S. Air Transportation* Green, Smart and Connected Transportation Systems **Air transport – tourism nexus: A destination management perspective Urban Transport XVII** *Intelligent Transportation Related Complex Systems and Sensors Handbook of Research on Decision Sciences and Applications in the Transportation Sector* **??????**

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A Development Guide for Domestic Airport Terminal Passenger Facilities Oct 23 2021
The Role of Infrastructure in Improving Public Transport Performance Jan 14 2021
Securing the Future of U.S. Air Transportation Jan 02 2020 As recently as the summer of 2001, many travelers were dreading air transportation because of extensive delays associated with undercapacity of the system. That all changed on 9/11, and demand for air transportation has not yet returned to peak levels. Most U.S. airlines continue to struggle for survival, and some have filed for bankruptcy. The situation makes it difficult to argue that strong action is urgently needed to avert a crisis of undercapacity in the air transportation system. This report assesses the visions and goals for U.S. civil aviation and technology goals for the year 2050.
Green, Smart and Connected Transportation Systems Dec 01 2019 These proceedings gather selected papers from the 9th International Conference on Green Intelligent Transportation Systems and Safety, held in Guilin, China on July 1-3, 2018. They feature cutting-edge studies on Green Intelligent Mobility Systems, the guiding motto being to achieve "green, intelligent, and safe transportation systems." The contributions presented here can help promote the development of green mobility and intelligent transportation technologies to improve

interconnectivity, resource sharing, flexibility and efficiency. Given its scope, the book will benefit researchers and engineers in the fields of Transportation Technology and Traffic Engineering, Automotive and Mechanical Engineering, Industrial and System Engineering, and Electrical Engineering alike.

Public Transport Planning with Smart Card Data Apr 16 2021 Collecting fares through "smart cards" is becoming standard in most advanced public transport networks of major cities around the world. Travellers value their convenience and operators the reduced money handling fees. Electronic tickets also make it easier to integrate fare systems, to create complex time and space differentiated fare systems, and to provide incentives to specific target groups. A less-utilised benefit is the data collected through smart cards. Records, even if anonymous, provide for a much better understanding of passengers' travel behaviour as current literature shows. This information can also be used for better service planning. Public Transport Planning with Smart Card Data handles three major topics: how passenger behaviour can be estimated using smart card data, how smart card data can be combined with other trip databases, and how the public transport service level can be better evaluated if smart card data is available. The book discusses theory as well as applications from cities around the world and will be of interest to researchers and practitioners alike who are interested in the state-of-the-art as well as future perspectives that smart card data will bring.

The new East West corridor Dec 25 2021

Transit Capacity and Quality of Service Manual Jan 26 2022 Accompanying CD-ROM contains full text of the manual, Microsoft Excel spreadsheets, and a library of related documents.

Modelling Public Transport Passenger Flows in the Era of Intelligent Transport Systems Sep 02 2022 This book shows how transit assignment models can be used to describe and predict the patterns of network patronage in public transport systems. It provides a fundamental technical tool that can be employed in the process of designing, implementing and evaluating measures and/or policies to improve the current state of transport systems within given financial, technical and social constraints. The book offers a unique methodological contribution to the field of transit assignment because, moving beyond "traditional" models, it describes more evolved variants that can reproduce:• intermodal networks with high- and low-frequency services;• realistic behavioural hypotheses underpinning route choice;• time dependency in frequency-based models; and• assumptions about the knowledge that users have of network conditionsthat are consistent with the present and future level of information that intelligent transport systems (ITS) can provide. The book also considers the practical perspective of practitioners and public transport operators who need to model and manage transit systems; for example, the role of ITS is explained with regard to their potential in data collection for modelling purposes and validation techniques, as well as with regard to the additional data on network patronage and passengers' preferences that influences the network-management and control strategies implemented. In addition, it explains how the different aspects of network operations can be incorporated in traditional models and identifies the advantages and disadvantages of doing so. Lastly, the book provides practical information on state-of-the-art implementations of the different models and the commercial packages that are currently available for transit modelling. Showcasing original work done under the aegis of the COST Action TU1004 (TransITS), the book provides a broad readership, ranging from Master and PhD students to researchers and from policy makers to practitioners, with a comprehensive tool for understanding transit assignment models.

2021 6th International Conference on Intelligent Transportation Engineering (ICITE 2021) Nov 11 2020 This book features high-quality, peer-reviewed papers from the 2021 6th International Conference on Intelligent Transportation Engineering (ICITE 2021), held in Beijing, China, on October 29–31, 2021. Presenting the latest developments and technical solutions in Intelligent Transportation engineering, it covers a variety of topics, such as intelligent transportation, traffic control, road networking, intelligent automobile and vehicle operation & management. The book will be a valuable reference for graduate and postgraduate audiences, researchers and engineers, working in Intelligent Transportation Engineering.

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Green Intelligent Transportation Systems Oct 11 2020 These proceedings collect selected papers from the 7th International Conference on Green Intelligent Transportation System and Safety held in Nanjing on July 1-4, 2016. The selected works, which include state-of-the-art studies, are intended to promote the development of green mobility and intelligent transportation technology to achieve interconnectivity, resource sharing, flexibility and higher efficiency. They offer valuable insights for researchers and engineers in the fields of Transportation Technology and Traffic Engineering, Automotive and Mechanical Engineering, Industrial and System Engineering, and Electrical Engineering.

Proceedings of the 4th International Conference on Electrical and Information Technologies for Rail Transportation (EITRT) 2019 Nov 23 2021 This book reflects the latest research trends, methods and experimental results in the field of electrical and information technologies for rail transportation, which covers abundant state-of-the-art research theories and ideas. As a vital field of research that is highly relevant to current developments in a number of technological domains, the subjects it covered include intelligent computing, information processing, Communication Technology, Automatic Control, etc. The objective of the proceedings is to provide a major interdisciplinary forum for researchers, engineers, academicians as well as industrial professionals to present the most innovative research and development in the field of rail transportation electrical and information technologies. Engineers and researchers in academia, industry, and the government will also explore an insight view of the solutions that combine ideas from multiple disciplines in this field. The volumes serve as an excellent reference work for researchers and graduate students working on rail transportation, electrical and information technologies.

Advances in Artificial Systems for Medicine and Education V Sep 21 2021 This book broadly covers a scope of the latest advances for the development of artificial intelligence systems and their applications in various fields from medicine and technology to education. The proceedings comprise refereed papers presented at the Fifth International Conference of

Artificial Intelligence, Medical Engineering, and Education (AIMEE2021), which took place at the Mechanical Engineering Institute of the Russian Academy of Sciences, Moscow, Russia, on 1-3 October 2021. Given the rapid development of artificial intelligence systems, the book emphasizes the need for the intensification of training of a growing number of relevant specialists, in particular, in medical engineering to increase the effectiveness of medical diagnosing and treatment. In digital artificial intelligence systems, scientists endeavour to reproduce the innate intellectual abilities of humans and other organisms, and the in-depth study of genetic systems and inherited biological processes can provide new approaches to create more and more effective artificial intelligence methods. Topics of the included papers concern thematic materials in the following spheres: mathematics and biomathematics; medical approaches; technological and educational approaches. The book is a compilation of cutting-edge research papers in the field, covering a comprehensive range of subjects that are relevant to business managers and engineering professionals alike. The breadth and depth of these proceedings make them an excellent resource for asset management practitioners, researchers, and academics, as well as undergraduate and postgraduate students who are interested in artificial intelligence, bioinformatics systems, also their expanding applications. The intended readership includes specialists, students, and other circles of readers who would like to know where artificial intelligence systems can be applied in the future with great benefit.

The Performance and Potential of Light Rail Transit in Developing Cities Mar 16 2021

Port Economics, Management and Policy Aug 01 2022 Port Economics, Management and Policy provides a comprehensive analysis of the contemporary port industry, showing how ports are organized to serve the global economy and support regional and local development. Structured in eight sections plus an introduction and epilog, this textbook examines a wide range of seaport topics, covering maritime shipping and international trade, port terminals, port governance, port competition, port policy and much more. Key features of the book include: Multidisciplinary perspective, drawing on economics, geography, management science and engineering Multisector analysis including containers, bulk, break-bulk and the cruise industry Focus on the latest industry trends, such as supply chain management, automation, digitalization and sustainability Benefitting from the authors' extensive involvement in shaping the port sector across five continents, this text provides students and scholars with a valuable resource on ports and maritime transport systems. Practitioners and policymakers can also use this as an essential guide towards better port management and governance.

Rail Transport Infrastructure Mar 04 2020 This book details many of the different types of infrastructure that are present in a rail system. It is an overview, and presents a reasonable level of depth to the various engineering systems, such as track and signalling. The book discusses at length rail tunnels, and their related infrastructure, which includes the tunnel itself, fire systems, water management, and ventilation. The configuration of different rail tunnels is also discussed, and the advantages and disadvantages of each is also discussed. The book also discusses stations in length as well. The many different aspects of station design are discussed, so as passenger flows through the station. As with tunnels, there are different configurations for stations, which in some cases depend on the tunnel design, should the station be underground. Light rail station design is also discussed. Loading and structure gauges are discussed, as well as definitions of gauges and centre and end throw. Platform heights, which is related to station design, is also discussed. The book also discusses the basics of the structure of signalling. An explanation is provided of some very simple signalling, and track sections are explained. Indications and aspects of signals are also explained. Finally, there is some discussion of infrastructure related to the network design of a rail system, such as stabling yards, and maintenance centres. Signal boxes and control centres are also discussed.

Intelligent Transportation Related Complex Systems and Sensors Aug 28 2019 Building around innovative services related to different modes of transport and traffic management, intelligent transport systems (ITS) are being widely adopted worldwide to improve the efficiency and safety of the transportation system. They enable users to be better informed and make safer, more coordinated, and smarter decisions on the use of transport networks. Current ITSs are complex systems, made up of several components/sub-systems characterized by time-dependent interactions among themselves. Some examples of these transportation-related complex systems include: road traffic sensors, autonomous/automated cars, smart cities, smart sensors, virtual sensors, traffic control systems, smart roads, logistics systems, smart mobility systems, and many others that are emerging from niche areas. The efficient operation of these complex systems requires: i) efficient solutions to the issues of sensors/actuators used to capture and control the physical parameters of these systems, as well as the quality of data collected from these systems; ii) tackling complexities using simulations and analytical modelling techniques; and iii) applying optimization techniques to improve the performance of these systems.

Urban Transport XVII Sep 29 2019 " ... the 17th International Conference ... held ... in Pisa, Italy."--Pref.

LISS 2020 Apr 28 2022 This book contains the proceedings of the 10th International Conference on Logistics, Informatics and Service Sciences (LISS 2020), which is co-organized by Beijing Jiaotong University, Budapest University of Technology and Economics, in July 25–28 2020. This book focuses on the "AI and data-driven technical and management innovation in logistics, informatics and services" and aims to provide new research methods, theories and applications from various areas of management and engineering. In detail the included scientific papers analyse and describe communication processes in the fields of logistics, informatics, service sciences and other related areas. The variety of papers delivers added value for both scholars and practitioners. Information and communication technologies have been providing an effective network infrastructure and development platform for logistics and service operations.

Modelling of the Interaction of the Different Vehicles and Various Transport Modes Mar 28 2022 ?This book discusses various issues of modeling freight and passenger traffic, and explores the common approaches and regional differences. The latter may be a consequence of national legislation or the various approaches that are adopted by scientists around the

globe. It focuses on the organization of transcontinental transport and aspects of planning and harmonizing the movement of various transport means, particularly intermodal and multimodal transport. New approaches to the prediction of transportation needs are also considered. Written by international experts, the book is divided into 2 parts: the first part analyzes passenger transport, while the second addresses freight transport. It is intended wide audience, including university professors, graduate and Ph.D. students; transport professionals, and logistics specialist.

Decision Sciences and Applications in the Transportation Sector Feb 24 2022 "This book will provide relevant theoretical and practical frameworks and the latest research findings in the area of decision sciences and applications in the transportation sector for researchers, executives and practitioners who want to enrich their scientific knowledge and improve their understanding of the decision-making process in facing real-world problems in the transportation sector"--

Air transport – tourism nexus: A destination management perspective Oct 30 2019 The aim of current research monograph is to provide a deeper view of the complex relationship between the air transport and tourism industries. The adopted point of view – a destination perspective – enables one to go into a more detailed exploration of the topic and to consider issues that usually remain invisible at the strategic managers' level. The elaborated destination analysis framework and the identification of common points between aviation and tourism set the groundwork for further examination of the air transport-tourism nexus. Therefore, the book would be useful both for students and researchers in the field of tourism, hospitality and destination management, and for practitioners and destination management representatives who may find interesting insights and ideas for improvement. The monograph would be suitable also for managers and representatives from the air transport industry by providing them with the other point of view – that of the local tourist destination – to consider in their strategic growth and negotiation process.

Technical Report - National Institute for Transport and Road Research May 18 2021

Design of transportation networks for time dependent flows Jun 18 2021

Modelling Public Transport Passenger Flows in the Era of Intelligent Transport Systems Nov 04 2022 This book shows how transit assignment models can be used to describe and predict the patterns of network patronage in public transport systems. It provides a fundamental technical tool that can be employed in the process of designing, implementing and evaluating measures and/or policies to improve the current state of transport systems within given financial, technical and social constraints. The book offers a unique methodological contribution to the field of transit assignment because, moving beyond "traditional" models, it describes more evolved variants that can reproduce:• intermodal networks with high- and low-frequency services;• realistic behavioural hypotheses underpinning route choice;• time dependency in frequency-based models; and• assumptions about the knowledge that users have of network conditionsthat are consistent with the present and future level of information that intelligent transport systems (ITS) can provide. The book also considers the practical perspective of practitioners and public transport operators who need to model and manage transit systems; for example, the role of ITS is explained with regard to their potential in data collection for modelling purposes and validation techniques, as well as with regard to the additional data on network patronage and passengers' preferences that influences the network-management and control strategies implemented. In addition, it explains how the different aspects of network operations can be incorporated in traditional models and identifies the advantages and disadvantages of doing so. Lastly, the book provides practical information on state-of-the-art implementations of the different models and the commercial packages that are currently available for transit modelling. Showcasing original work done under the aegis of the COST Action TU1004 (TransITS), the book provides a broad readership, ranging from Master and PhD students to researchers and from policy makers to practitioners, with a comprehensive tool for understanding transit assignment models.

Passenger Transport Services in the Dublin Area Aug 09 2020

Modelling Passenger Flows in Public Transport Facilities Oct 03 2022 "This is a Ph.D. thesis. Until the early seventies of the last century, pedestrian traffic has hardly been subject of research. About that time, researchers started studying pedestrian behavior more intensively, first by watching and deriving (simple) theories and models from what they observed techniques became available, computers became faster and could handle larger and more complicated models, the number of available pedestrian models as well as their application scope and accuracy increased significantly. Contents include: Introduction, User requirements of a pedestrian flow simulation tool, State-of-the-art pedestrian flow theory, Laboratory experiments on pedestrian walking behavior, Identification of processes and elements in a pedestrian flow model, models for pedestrian behavior in public transport facilities, Implementation of a pedestrian flow simulation model, Verification and validation of SimPed, Case studies with SimPed, Conclusions, Bibliography: SimPed input and output, Set up and test of the laboratory experiments, Dynamic quality of the route choice model, Comparison of SimPed walking model with traffic flow theory and shock-wave theory, Data collection for validation of SimPed."

Multimedia Technology IV Sep 09 2020 Multimedia Technology IV is a collection of papers from the 4th International Conference on Multimedia Technology (ICMT 2015, Sydney, Australia, 28-29 March 2015). The book discusses a wide range of topics, including: Image and signal processing Video and audio processing Multimedia data communication and transmission, and Multimedia tools.Pre

International Symposium for Intelligent Transportation and Smart City (ITASC) 2019 Proceedings Dec 13 2020 This book presents research advances in intelligent transportation and smart cities in detail, mainly focusing on green traffic and urban utility tunnels, presented at the 4th International Symposium for Intelligent Transportation and Smart City (ITASC)

held at Tongji University, Shanghai, on May 8–10, 2019. It discusses a number of hot topics, such as the 2BMW system (Bus, Bike, Metro and Walking), transportation safety and environmental protection, urban utility design and application, as well as the application of BIM (Building Information Modeling) in city design. By connecting the theory and applications of intelligent transportation in smart cities, it enhances traffic efficiency and quality. The book gathers numerous selected papers and lectures, including contributions from respected scholars and the latest engineering advances, to provide guidance to researchers in the field of transportation and urban planning at universities and in related industries. The first conference in the ITASC series was held in 2013 as a workshop of the International Symposium on Autonomous Decentralized System (ISADS) in Mexico City. The second and third were held in May 2015 and May 2017, respectively, in Tongji University, Shanghai.

Proceedings of the 3rd International Conference on Electrical and Information Technologies for Rail Transportation (EITRT) 2017 Jul 08 2020 The proceedings collect the latest research trends, methods and experimental results in the field of electrical and information technologies for rail transportation. The topics cover novel traction drive technologies of rail transportation, safety technology of rail transportation system, rail transportation information technology, rail transportation operational management technology, rail transportation cutting-edge theory and technology etc. The proceedings can be a valuable reference work for researchers and graduate students working in rail transportation, electrical engineering and information technologies.

Design for Passenger Transport Jun 06 2020 Design for Passenger Transport focuses on the ways by which standards of design could be improved to enhance the psychological and physical well-being of both passengers and staff. Various aspects of design in the fields of air, rail, road, and water passenger transport are discussed. The selection first tackles passenger handling design in airports, railway stations, and transport interchanges, including care and comfort of passenger movements and exploitation of commercial potential arising from the concentration of passengers. The book also elaborates on airline and travel industry requirements, terminal concept and parking, terminal buildings, and rail/ terminal link. The text takes a look at the design policy for greater Manchester transport, including principles and objectives, informational publicity, and point of sale. The publication also focuses on passenger behavior and expectations at airports, as well as survey of passenger behavior and expectation and implications for airport planning and management. Vehicle suspension systems and design, track irregularities, and minimum standards for passengers are also discussed. The selection is a dependable source of data for readers interested in the design of passenger transport systems.

Information Technology and Intelligent Transportation Systems Feb 12 2021 Intelligent transport systems are on the increase. They employ a variety of technologies, from basic management systems to more advanced application systems, with information technology – including wireless communication, computational technologies, floating car data/cellular data such as sensing technologies and video vehicle detection – playing a major role. This book presents the proceedings of the 2nd International Conference on Information Technology and Intelligent Transportation Systems (ITITS 2017), held in Xi'an, People's Republic of China, in June 2017. The conference provides a platform for professionals and researchers from industry and academia to present and discuss recent advances in the field of information technology and intelligent transportation systems; organizations and researchers involved in these fields, including distinguished academics from around the world, explore theoretical and applied topics such as emergency vehicle notification systems, automatic road enforcement, collision avoidance systems and cooperative systems. ITITS 2017 received more than 200 papers from 4 countries, and the 65 accepted papers appear in this book, which will be of interest to all those involved with the development of intelligent transport systems.

Regional Science Perspectives on Tourism and Hospitality Feb 01 2020 This book approaches the tourism and hospitality industry from a regional science perspective. By analyzing the spatial context of tourist travels, the hospitality sector, and the regional impacts of tourist activities, it demonstrates the value of the regional science paradigm for understanding the dynamics and effects of tourism and hospitality-related phenomena. Written by leading regional science scholars from various countries as well as professionals from organizations such as OECD and AirBnB, the contributions address topics such as migration, new types of accommodation, segmentation of tourism demand, and the potential use of tracking technologies in tourism research. The content is divided into five parts, the first of which analyzes spatial effects on the development of firms in the tourism industry, while the second approaches temporal and spatial variability in tourism through analytical regional science tools. The broader economic and social impacts of tourism are addressed in part three. Part four assesses specific tourism segments and tourist behaviors, while part five discusses environmental aspects and tourism destination policies. The book will appeal to scholars of regional and spatial science and tourism, as well as tourism specialists and policymakers interested in developing science and evidence-based tourism policies.

Analysis of Rail and Air Passenger Flows Between London and Glasgow Using Box-Jenkins Methods May 30 2022

The Geography of Transport Systems Jun 30 2022 Mobility is fundamental to economic and social activities such as commuting, manufacturing, or supplying energy. Each movement has an origin, a potential set of intermediate locations, a destination, and a nature which is linked with geographical attributes. Transport systems composed of infrastructures, modes and terminals are so embedded in the socio-economic life of individuals, institutions and corporations that they are often invisible to the consumer. This is paradoxical as the perceived invisibility of transportation is derived from its efficiency. Understanding how mobility is linked with geography is main the purpose of this book. The third edition of The Geography of Transport Systems has been revised and updated to provide an overview of the spatial aspects of transportation. This text provides greater discussion of security, energy, green logistics, as well as new and updated case studies, a revised content structure, and new figures. Each chapter covers a specific conceptual dimension including networks, modes, terminals, freight

transportation, urban transportation and environmental impacts. A final chapter contains core methodologies linked with transport geography such as accessibility, spatial interactions, graph theory and Geographic Information Systems for transportation (GIS-T). This book provides a comprehensive and accessible introduction to the field, with a broad overview of its concepts, methods, and areas of application. The accompanying website for this text contains a useful additional material, including digital maps, PowerPoint slides, databases, and links to further reading and websites. The website can be accessed at: http://people.hofstra.edu/geotrans This text is an essential resource for undergraduates studying transport geography, as well as those interest in economic and urban geography, transport planning and engineering.

Railways and Sustainable Low-Carbon Mobility in China Jul 20 2021 This book explores the role of railways in developing sustainable low-carbon mobility by analyzing the intermodal relationship between railways and other transport modes. Focusing on geographical and governance perspectives, and taking China as a case study, it analyzes the competition and cooperation between and integration of railways and other transport modes, in order to provide guidance on future sustainable transport development. Firstly, the book examines the contribution of railways to low carbon emissions in China over recent decades by estimating the carbon dioxide emissions from various transport modes in China at national and regional levels using decomposition analysis. It then discusses the current competition and cooperation between railways and other transport modes, as well as their integration and the impact of their relationship on climate change. It also highlights how the competition between railways and other transport modes may change the passenger flows between city pairs and so alter transport carbon emissions and examines how cooperation and integration could improve passengers' travel experience while at the same time reducing carbon emissions. Lastly, it addresses the implications for future sustainable transport development based on institutional analysis. Presenting multidisciplinary, sustainable transport research on the role of railways in reducing carbon emissions, and also offering policy recommendations for developing low-carbon, integrated transport in the future, this book is a valuable reference resource for graduates, researchers, and government managers responsible for transport development, urban planning and environmental policy.

Information and Decision Sciences Aug 21 2021 This book presents the proceedings of the 6th International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA-2017), held in Bhubaneswar, Odisha. The event brought together researchers, scientists, engineers, and practitioners to exchange their new ideas and experiences in the domain of intelligent computing theories with prospective applications to various engineering disciplines. The book is divided into two volumes: Information and Decision Sciences, and Intelligent Engineering Informatics. This volume covers broad areas of Information and Decision Sciences, with papers exploring both the theoretical and practical aspects of data-intensive computing, data mining, evolutionary computation, knowledge management & networks, sensor networks, signal processing, wireless networks, protocols & architectures etc. The book also offers a valuable resource for students at the post-graduate level in various engineering disciplines.

World Of 5g, The (In 5 Volumes) Apr 04 2020 5G is becoming a critically important supporting technology for industrial evolvement.The World of 5G series consists of five salient volumes — Internet of Everything, Intelligent Manufacturing, Intelligent Home, Intelligent Transportation, and Intelligent Medicine.Aim to capture new opportunities brought by 5G, this compendium set focuses on the key technologies, requirements, users' experiences, industry applications, and industrial reforms from the perspective of experts, and comprehensively introduces the related knowledge of 5G.These reference volumes inform readers the essences of 5G, potential changes to the development of public life and society brought by 5G, as well as the potential security and risks such as the legal, moral and ethical aspects.The set also prominently reflects the latest business status in different industrial and social fields, and the great changes that follow.

Handbook of Research on Decision Sciences and Applications in the Transportation Sector Jul 28 2019 The advancements in decision sciences theory and applications can be regarded as a continuously emerging field in all areas of interest including technology, industry, energy, healthcare, education, agriculture, social sciences, and more. Managers in all disciplines face an endless list of complex issues every day. One of the essential managerial skills is the ability to allocate and utilize limited resources appropriately in the efforts of achieving optimal performance efficiently. This is no less important for those who work in the transportation sector. The Handbook of Research on Decision Sciences and Applications in the Transportation Sector explores the importance of decision sciences and the ways in which they apply to the transportation sector. This book covers technologies and tools including machine learning, mathematical modeling, and simulation and their applications in such tasks as reducing fuel costs, improving passenger flow, and ensuring vehicle safety. It is an essential reference source for managers, professionals in the transport industry, supply chain specialists, safety officers, IT consultants, executives, practitioners, scientists, students, researchers, and academicians.

Transport Flow Data May 06 2020

modelling-public-transport-passenger-flows-in-the-era-of-intelligent-transport-systems-cost-action-tu1004-transits-springer-tracts-on-transportation-and-traffic

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