

Introduction To Air Transport Economics From Theory To Applications

This book takes a look at the critical issues facing the airline industry featuring contributions from key figures in Europe, the US and Asia. Elements for success and failure are discussed and material is offered for strategic thinking.

This book is one of three inter-connected books related to a four-year European Cooperation in Science and Technology (COST) Action established in 2015. The Action, called Air Transport and Regional Development (ATARD), aimed to promote a better understanding of how the air transport related problems of core regions and remote regions should be addressed in order to enhance both economic competitiveness and social cohesion in Europe. This book focuses on case studies in Europe related to air transport and regional development. It is divided into four geographical regions after a general chapter that compares regional air transport connectivity between remote and central areas in Europe. The first region is Northern and Western Northern Europe (case studies related specifically to Norway, Finland, the United Kingdom, and Ireland); the second is Central and Eastern Europe, (Bulgaria, Bosnia and Herzegovina, and Poland); the third is Central Western Europe (Belgium and Switzerland); and finally, the fourth is Southern Europe (Portugal, Spain, and Italy). There is no other single source publication that currently covers this topic area in such a comprehensive manner by considering so many countries. The book aims at becoming a major reference on the topic, drawing from experienced researchers in the field, covering the diverse experience and knowledge of the members of the COST Action. The book will appeal to academics, practitioners, and policymakers who have a particular interest in acquiring detailed comparative knowledge and understanding of air transport and regional development in many different European countries. Together with the other two books (Air Transport and Regional Development Methodologies and Air Transport and Regional Development Policies), it fills a much-needed gap in the literature.

Like the railroad and the automobile, the airliner has changed the very geography of the societies it serves. Fundamentally, air transportation has helped redefine the scale of human geography by dramatically reducing the cost of distance, both in terms of time and money. The result is what the author terms the 'airborne world', meaning all those places dependent upon and transformed by relatively inexpensive air transportation. The Economic Geography of Air Transportation answers three key questions: how did air transportation develop in the century after the Wright Brothers, what does it mean to live in an airborne world, and what is the future of aviation in this century? Examples are drawn from throughout the world. In particular, ample consideration is given to the situation in developing countries, where air transportation is growing rapidly and where, to a considerable degree, the future of the airborne world will be determined. The book weaves together the technological development of aviation, the competition among aircraft manufacturers and their stables of airliners, the deregulation and privatization of the airline industry, the articulation of air passenger and air cargo services in everyday life, and the challenges and controversies surrounding airports. It will be of particular interest to students and researchers in air transport history, the geography of the airline industry, air transport technological development, competition in the commercial aircraft industry, airport development, geography and economics. It will also be useful to professionals working in the airline, airport, and aircraft manufacturing industries.

This book analyses the political, economic and managerial challenges for policy makers and the air transport industry as they face climate change. Based on an overview of the scientific background and technological options for emissions reduction, Aviation and Climate Change provides an in-depth assessment of environmental regulation and management. It provides an

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up-to-the-minute analysis of the effects of aviation on climate change, and an economic analysis of policies to reduce or eliminate greenhouse gas emissions. The main emphasis of the book is on the economic mechanisms used to lessen emissions – carbon taxes, emissions trading schemes and offset schemes. It pays particular attention to the ways these policies work, and to the interaction between them – for instance, the interaction between taxes and emissions trading schemes. One feature of the book is that it analyses the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA) which has been developed by ICAO for international aviation, and which is due to commence operation shortly. The advantages and disadvantages of this controversial scheme are discussed. This book will be of interest to researchers in diverse areas (economics, political science, engineering, natural sciences), to air transport policy makers, and to managers in the aviation industry.

Africa is the smallest of the 'regional' aviation markets but one that Boeing and others expect to expand over the medium term. Developments on the continent that require the creation of robust and efficient air transport include growth in tourism, the export of 'exotics', and the emergence of modern manufacturing and high-tech industries. Africa's regional aviation markets generally lack good airports and air traffic control, viable airlines, and adequately skilled labour. Airline safety is also a major concern. Written by a 'Who's Who' of aviation specialists and policy makers, *The Economics and Political Economy of African Air Transport* fills an emerging void in the literature regarding Africa's aviation markets. Its original papers focus explicitly on the economic and political dimensions of the subject, although with relevance to the strategic planning and management of airlines and their associated infrastructure. Topics discussed include external and internal market efficiencies, air service liberalization, the emergence of new carriers, safety and security, low cost airline and other business models, and airport economics. Focusing on the broader issues surrounding the subject, this book will be of interest to both the aviation community and those with an interest in economic and social development.

The Economics of International Airline Transport provides a complete analysis of the economics of international air transportation by presenting research on the costs borne by air transportation companies due to pollution regulation in Europe, Australia and New Zealand. This groundbreaking book offers a critical and wide-ranging assessment of the global air transport liberalization process over the past 40 years. This compilation of world experts on air transport economics, policy, and regulation is timely and significant, considering that air transport is currently facing a series of new challenges due to technological changes, the emergence of new markets, and increased security concerns.

Thoroughly revised to cover recent changes in the industry, this classic book continues to be the standard introduction to the economics of U.S. airlines.

Air Transport and Regional Development Methodologies is one of three interconnected books related to a four-year European Cooperation in Science and Technology (COST) Action established in 2015. The action, called *Air Transport and Regional Development (ATARD)*, aimed to promote a better understanding of how the air transport-related problems of core regions and remote regions should be addressed to enhance both economic competitiveness and social cohesion in Europe. This book discusses key methodological approaches to assessing air transport and regional development, outlining their respective strengths and weaknesses. These include input-output analysis, cost benefit analysis, computable general equilibrium models, data envelopment analysis, stochastic frontier analysis, discrete choice models and game theory. *Air Transport and Regional Development Methodologies* aims at becoming a

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major reference source on the topic, drawing from experienced researchers in the field, covering the diverse experience and knowledge of the members of the COST Action. The book will be of interest to several large groups. First, it will serve as an authoritative and comprehensive reference for academics, researchers and consultants. Second, it will advise policy-makers and government organizations at European, national and regional levels. Third, it presents invaluable insights to transport companies such as airports and airline operators. Along with the other two books (Air Transport and Regional Development Policies and Air Transport and Regional Development Case Studies), it fills a much-needed gap in the literature.

Introduction to Air Transport Economics From Theory to Applications Routledge Introduction to Air Transport Economics: From Theory to Applications uniquely merges the institutional and technical aspects of the aviation industry with their theoretical economic underpinnings. In one comprehensive textbook it applies economic theory to all aspects of the aviation industry, bringing together the numerous and informative articles and institutional developments that have characterized the field of airline economics in the last two decades as well as adding a number of areas original to an aviation text. Its integrative approach offers a fresh point of view that will find favor with many students of aviation. The book offers a self-contained theory and applications-oriented text for any individual intent on entering the aviation industry as a practicing professional in the management area. It will be of greatest relevance to undergraduate and graduate students interested in obtaining a more complete understanding of the economics of the aviation industry. It will also appeal to many professionals who seek an accessible and practical explanation of the underlying economic forces that shape the industry. The second edition has been extensively updated throughout. It features new coverage of macroeconomics for managers, expanded analysis of modern revenue management and pricing decisions, and also reflects the many significant developments that have occurred since the original's publication. Instructors will find this modernized edition easier to use in class, and suitable to a wider variety of undergraduate or graduate course structures, while industry practitioners and all readers will find it more intuitively organized and more user friendly.

This third edition of Straight and Level thoroughly updates the previous edition with extensive comments on recent industry developments and emerging business models. The discussion is illustrated by current examples drawn from all sectors of the industry and every region of the world. The fundamental structure of earlier editions, now widely used as a framework for air transport management courses, nonetheless remains unchanged. Part 1 of the book provides a strategic context within which to consider the industry's economics. Part 2 is built around a simple yet powerful model that relates operating revenue to operating cost; it examines the most important elements in demand and traffic, price and yield, output and unit cost. Part 3 probes more deeply into three critical

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aspects of capacity management: network management; fleet management; and revenue management. Part 4 concludes the book by exploring relationships between unit revenue, unit cost, yield, and load factor. Straight and Level has been written primarily for masters-level students on aviation management courses. The book should also be useful to final year undergraduates wanting to prepare for more advanced study. Amongst practitioners, it will appeal to established managers moving from functional posts into general management. More broadly, anyone with knowledge of the airline industry who wants to gain a deeper understanding of its economics at a practical level and an insight into the reasons for its financial volatility should find the book of interest.

An efficient air transport system is critical to countries attaining and sustaining healthy economies in an increasingly interconnected world economy. This volume 5 of *Advances in Airline Economics* includes literature surveys and original empirical research examining airline efficiency in the twenty first century. *Airline Operations and Management: A Management Textbook* is a survey of the airline industry, mostly from a managerial perspective. It integrates and applies the fundamentals of several management disciplines, particularly economics, operations, marketing and finance, in developing the overview of the industry. The focus is on tactical, rather than strategic, management that is specialized or unique to the airline industry. The primary audiences for this textbook are both senior and graduate students of airline management, but it should also be useful to entry and junior level airline managers and professionals seeking to expand their knowledge of the industry beyond their own functional area.

Extensively revised and updated edition of the bestselling textbook, provides an overview of recent global airline industry evolution and future challenges Examines the perspectives of the many stakeholders in the global airline industry, including airlines, airports, air traffic services, governments, labor unions, in addition to passengers Describes how these different players have contributed to the evolution of competition in the global airline industry, and the implications for its future evolution Includes many facets of the airline industry not covered elsewhere in any single book, for example, safety and security, labor relations and environmental impacts of aviation Highlights recent developments such as changing airline business models, growth of emerging airlines, plans for modernizing air traffic management, and opportunities offered by new information technologies for ticket distribution Provides detailed data on airline performance and economics updated through 2013

Introduction to Air Transport Economics: From Theory to Applications uniquely merges the institutional and technical aspects of the aviation industry with their theoretical economic underpinnings. In one comprehensive textbook it applies economic theory to all aspects of the aviation industry, bringing together the numerous and informative articles and institutional developments that have characterized the field of airline economics in the last two decades. It will be of greatest relevance to undergraduate and graduate students interested in

obtaining a more complete understanding of the economics of the aviation industry.

Airlines are buffeted by fluctuating political and economic landscapes, ever-changing competition, technology developments, globalization, increasing deregulation and evolving customer requirements. As a consequence all sectors of the air transport industry are in a constant state of flux. The principle aim of this book is to review current trends in the airline industry and its related suppliers, thereby providing an insight into the forces that are changing its dynamics. The factors that are reshaping the structure of the industry are examined with a view to identifying the key issues whose impact will be critical in the future. The book features two very distinct sections. The first contains short contributions from industry executives at CEO/VP level from airlines, aircraft/engine manufacturers, safety and navigational provider organisations, who have set out their take of where the airline industry is heading. This commercial input sets the scene for the book and provides the bridge to the second section, which is composed of 18 chapters written by distinguished academic authors. Each chapter presents a valuable insight into a specific area of the air transport industry, including: airlines, airports, cargo, deregulation, the environment, navigation, strategy, information technology, security and tourism. The shared objective of the authors is to describe and explain the core competencies that are determining the current shape of the industry and to examine the forces that will change its direction going forward. The book is written in a management style and will appeal to all levels of personnel who work for airlines across the world. It is also written for airport authorities, aerospace manufacturers, regulatory and government transportation agencies, researchers and students of aviation management, transport studies, tourism and the wider air transport industry.

This book presents a comprehensive analysis and modelling of demand, capacity, quality of services, economics, and sustainability of the air transport system and its main components - - airports, airlines, and ATC/ATM (Air Traffic Control/Management). Airports consist of the airside and landside area characterized by their capacities for handling demand such as aircraft, air passengers, and air freight/cargo shipments. Regarding spatial configuration, airlines generally operate hub-and-spoke (conventional or legacy airlines) and point-to-point (LCCs - Low Cost Carriers) air route networks. Their fleets consisting of different aircraft types provide transport capacity for serving demand including air passengers and freight/cargo shipments. The ATC/ATM includes the controlled airspace, traffic management and control facilities and equipment on the ground, space, and on board aircraft, and the ATC Controllers). They all provide capacity to handle demand consisting of the flights between origin and destination airports carried out by airline aircraft. The outcome from the interrelationships between demand and capacity at these components materializes as the quality of services. At airports and airlines this is generally expressed by congestion and delays of aircraft, air passengers, and freight/cargo shipments. At ATC/ATM, this is expressed by delays, horizontal and vertical in-efficiency, and safety of flights. Economics of each component relate to its revenues, costs, and profits from handling demand, i.e., providing services of given quality. The sustainability of air transport system has become increasingly important issue for many internal and external actors/stakeholders involved to deal with. This has implied increasing the system's overall social-economic effects/benefits while

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reducing or maintaining constant impacts/costs on the environment and society at both global and regional/local scale under conditions of continuous medium- to long term growth.

Commercial air transport is a global multimillion dollar industry that underpins the world economy and facilitates the movement of over 3 billion passengers and 50 million tonnes of air freight worldwide each year. With a clearly structured topic-based approach, this textbook presents readers with the key issues in air transport management, including: aviation law and regulation, economics, finance, airport and airline management, environmental considerations, human resource management and marketing. The book comprises carefully selected contributions from leading aviation scholars and industry professionals worldwide. To help students in their studies the book includes case studies, examples, learning objectives, keyword definitions and 'stop and think' boxes to prompt reflection and to aid understanding. Air Transport Management provides in-depth instruction for undergraduate and postgraduate students studying aviation and business management-related degrees. It also offers support to industry practitioners seeking to expand their knowledge base.

Covers low-cost carrier growth in Japan, competition against full service hub carriers in the Middle East, aviation market liberalization in Central Asia, high-speed-rail and airline competition in China, air transport and tourism in Asia and Australia, airline performance and outsourcing, airports development, and airport-airline cooperation. This volume examines the role that airports play in economic development and land values, the regulation and economic efficiency of airports, airport pricing and competition, and the role played by airports in influencing airline operations and networks.

Now in its Seventh Edition, Air Transportation: A Management Perspective by John Wensveen is a proven textbook that offers a comprehensive introduction to the theory and practice of air transportation management.

Aviation is one of the most widely talked about industries in the global economy and yet airlines continue to present an enigma. Between 2010 and 2018 the global airline industry experienced its longest period of sustained profitability however huge global profits hid a darker side. Many airlines made inadequate profits or serious losses while others collapsed entirely. This fifth edition of Flying Off Course explains why. Written by leading industry expert, Rigas Doganis, this book is an indispensable guide to the inner workings of this exciting industry. Providing a complete, practical introduction to the fundamentals of airline economics and marketing, it explores the structure of the market, the nature of airline costs, issues around pricing and demand, and the latest developments in e-commerce. Vibrant examples are drawn from passenger, charter and freight airlines to provide a dynamic view of the entire industry. This completely updated edition also explores the sweeping changes which have affected airlines in recent years. It includes much new material on airline alliances, long-haul low cost airlines, new pricing policies and ancillary revenues in order to present a compelling account of the current state of the airline industry. Offering a practical approach and peppered with real examples this book will be valuable to anyone new to the airline industry as well as those wishing to gain a wider insight into its operations and economics. For undergraduate or postgraduate students in transport studies, tourism and business the book provides a unique insider's view into the workings of this exciting

industry.

In recent years the airline industry has experienced severe volatility in earnings, with airlines recording periods of substantial profits that are closely followed by periods of financial distress. This trend has continued into the new millennium, with numerous examples of airlines across the globe entering bankruptcy protection or liquidating. The text provides an introduction to both the basics of finance and the particular intricacies of airline finance where there can be significant fluctuations in both revenues and costs. This new edition also includes: capital budgeting management of current assets financial risk analysis fuel hedging aircraft leasing This textbook contains chapters that cover unique aspects of the aviation financial decision-making process. These include a rigorous and structured presentation of the buy versus lease decision that is prevalent in the industry, a valuation process for aviation assets, the recent trend toward privatization and the difficulty inherent in the valuation of a publicly-owned or semi-publicly owned asset. The Foundations of Airline Finance, now in its second edition, is an introductory text that can be used either as a general financial text or in a specialized class that deals with aviation finance in particular.

Making a detailed contribution to geographies of air transport and aeromobility, this book examines the practices and processes that produce particular patterns of air transport provision both regionally and globally. In so doing, it updates the seminal contributions of Eva Taylor (1945), Kenneth Sealy (1957), Brian Graham (1995) and others to the study of air transport geography. Leading scholars in the field offer a unique insight into the key developments that have occurred in the field and the implications that these developments have had for geography, geographers, and global patterns of past, present and future air transport. Although globalization and liberalization processes have greatly expanded the demand for air transport over the last two decades, the industry has experienced several major setbacks due to economic, security, and environmental concerns. Many of these impacts have been much more pronounced in some regions, such as North America and Europe while others, such as Asia-Pacific have not been as adversely affected. Accordingly, there is a clear need to examine these recent economic and geopolitical changes from a geographical perspective given the differentiated pattern of effects from global processes. Addressing this need, this volume opens with thematic chapters covering key topics such as the historical geographies, socio-cultural mobilities, environmental externalities, urban geographies, and sustainability of the global air transport industry, followed by regional analysis of the industry in Asia-Pacific, Latin America, Greater Middle East and Africa as well as North America and Europe.

'This Handbook is a stellar compilation of up-to-date knowledge about the important topics in transport economics. Authors include the very best in the field, and they cover the most important topics for today's research and policy applications. Individual chapters contain sound, readable, well referenced explanations of each topic's history and current status. I cannot think of a better place to start for anyone wanting to become current in the field or in any of its parts.' – Kenneth Small, University of California-Irvine, US Bringing together insights and perspectives from close to 70 of the world's leading experts in the field, this timely Handbook provides an up-to-date guide to the most recent and state-of-the-art advances in transport economics. The comprehensive coverage includes topics such as the relationship between transport

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and the spatial economy, recent advances in travel demand analysis, the external costs of transport, investment appraisal, pricing, equity issues, competition and regulation, the role of public–private partnerships and the development of policy in local bus services, rail, air and maritime transport. This Handbook is designed both for use on postgraduate and advanced undergraduate courses and as a reference for anyone working in the field. It also complements the textbook Principles of Transport Economics.

Presenting a comprehensive coverage, Air Transport System Analysis and Modelling is a unique text dealing with the analysis and modelling of the processes and operations carried out in all three parts of the air transport system, namely, airports, air traffic control and airlines. Seen from a planners point of view, this book provides insights into current methods and also gives details of new research. Methods are given for the analysis and modelling of the capacity, quality and economics of the service offered to users and includes illustrative analytical and simulation models of the systems operations supported by an appropriate analysis of real world events and applications. Undergraduates and graduates in the field of air transport planning and technology, applied operations research and applied transport economics will find this book to be of interest, as will specialists involved with transport institutes and consulting firms, policy makers dealing with air transport and the analysts and planners employed at air transport enterprises.

The notion of "mobilities," when looked at from a practical point of view, turns out to cover different kinds of human activity. It is not surprising, then, that when approached from an academic perspective, it reveals enormous potential for interdisciplinary research, which has proven extremely attractive to many scholars from different continents, disciplines, and schools of academic inquiry. The scholars in this volume focus on the specific aspects of mobilities, namely, tourism and travel behavior, but approach them from a plethora of positions. Such a myriad of perspectives is bound to be challenging in methodological terms, but it seems there is a growing agreement as to the worthiness of this interdisciplinary research. By means of combining various approaches, researchers obtain access to a fascinating and increasingly ubiquitous phenomenon of contemporary human mobility.

Foundations of Airport Economics and Finance analyzes the impact key economic indicators play on an airport's financial performance. As rapidly changing dynamics, including liberalization, commercialization and globalization are changing the nature of airports worldwide, this book presents the significant challenges facing current and future airports. Airports are evolving from quasi-monopolies to commercial companies operating in a global environment, with ever-increasing passenger and cargo volumes and escalating security costs that put a greater strain on airport systems. This book highlights the critical changes that airports are experiencing, providing a basic understanding of both the economic and financial aspects of the air transport industry. Identifies the economic roots of airport financial performance and how the interplay of its major parameters affects profitability Bridges the gap between the latest airport academic research and real-world airport financial management Covers cases and scenarios of numerous airports from around the world Includes learning aids, such as chapter introductions and summaries, glossary and appendices

Competition in air transport has been transformed by industry liberalization initiatives,

resulting in the emergence of a wide array of new airline start-ups. Restrictions on low fares have been removed, uniform control requirements have been established, and legislation has facilitated the proliferation of low-fare carriers and competition. The new breed of independent low-fare airlines (LFAs) use market freedoms to shake up the industry's competitive dynamics and offer the customer the alternative of low prices and basic service. A successful low fare business model requires a ruthless and relentless focus on cost cutting and increased operational productivity, combined with an ability to generate and maintain a cash surplus and a cautious but steady fleet and route network expansion. The mastery of these techniques has made Southwest and Ryanair industry leaders, but others such as EasyJet also have a proven record of profitability and market growth, despite not always being the lowest cost or price providers. In this comprehensive and topical study the author systematically provides:

- a step-by-step approach to understanding the conditions and choices shaping airline competitiveness, and an assessment of the nature of the low fare market
- a comprehensive study of the low fare airline sector's evolution and growth and arguments as to why the European low fare industry is here to stay despite the inevitability of a shake out (reminiscent of the early 1980s in the USA).
- unique insights into the success of low fare market leaders in Europe, North America and Australasia and an examination of the experience of US new entrants in the post-deregulations era, to discern strategic lessons for their counterparts;
- critical perspectives on strategic management principles and practices in modern airline companies, discussing strategies for survival, and comparing competitive strategies for the main low fare airlines and their limitations;
- key reasons for the robustness of the low fare business model during industry crises

The book also determines the conditions and strategies that shape sustainable advantage for LFAs in highly competitive deregulated markets where established airlines seek to force out new entrants and considerable political interference remains. Moreover, the book considers why, during the airline industry crisis of late 2001, the market capitalizations of low fare leaders held steady in the wake of the US terrorist attacks, while the major carriers on both sides of the Atlantic were decimated. *Cleared for Take-Off* is essential reading for airline executives, aerospace manufacturers, regulatory and government transportation agencies, researchers or students of aviation management, transport studies, the travel industry and/or corporate strategy.

Air Transport and the Environment provides an overview of the main issues relating to aviation environmental impacts. It explains the challenge facing policymakers in terms of sustainable development, focusing on the importance of balancing the industry's economic, social and environmental costs and benefits, both for people living now and for future generations. Individual chapters review the current scientific understanding of the main aviation environmental impacts: climate change, local air pollution and aircraft noise. Various responses to those issues are also considered, including a range of policy options based on regulatory, market-based and voluntary approaches. Key concepts such as environmental capacity, radiative forcing and carbon offsetting are explained. In addition, the book emphasises the main implications of aviation environmental issues for policymakers and for the management of the air transport industry. Debates about the environmental impacts of flying often generate strongly polarised reactions, yet this book adopts a constructive approach to the subject and attempts to present the environmental issues in a clear, straightforward manner. It aims

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to provide a policy-relevant synthesis of a wide range of perspectives rather than advocating one particular viewpoint. Yet the central purpose of this book is to bring the sustainable development challenge facing the air transport industry to the fore, and so to inform effective policy responses. Air transport plays a critical role in supporting economies and societies that are increasingly interconnected by globalisation; this book presents the view that the vital economic and social benefits of the air transport industry should not be lost - and in fact could be distributed far more widely and equitably - but that the environmental impacts of air transport nevertheless require urgent and effective management. *Air Transport and the Environment* has been written primarily for professionals in the air transport industry, policymakers and regulators. It is also intended for use by academic researchers, students and others who are interested in the complex relationship between air transport and the environment.

Introduction to Air Transport Economics: From Theory to Applications uniquely merges the institutional and technical aspects of the aviation industry with their theoretical economic underpinnings. Its integrative approach offers a fresh point of view that will find favor with many students of aviation. This third edition has been extensively updated throughout. It features new material that stresses the dynamic aspects of demand and supply and the ongoing competitive aspects of the marketplace. It now features an introductory chapter, and specific examples, to more directly relate management decisions to the economic theory. Also, in addition to an expanded coverage of revenue management and pricing decisions, the third edition includes case studies that give real-world examples to reflect actual industry practice as well as a discussion of the more up-to-date computer applications that make the new techniques so effective. This book offers a self-contained theory and applications-oriented text for any individual intent on entering the aviation industry as a practicing professional in the management area. It will be of greatest relevance to undergraduate and graduate students interested in obtaining a more complete understanding of the economics of the aviation industry. It will also appeal to many professionals who seek an accessible and practical explanation of the underlying economic forces that shape the industry.

This book stems from a series of biennial conferences devoted to issues affecting air-transport provision in remoter regions that have been organized by the Centre for Air Transport in Remoter Regions at Cranfield University. The primary aim of the conferences has been to provide an opportunity for those responsible for operating, managing, regulating and financing air transport services and associated infrastructure in these areas to be informed of the latest best-practice initiatives, to contrast different policy approaches and to debate potential solutions to perennial problems. Remoter regions has been a neglected area of air transport, as much of the focus of public and media attention is on the larger airlines, airports and aircraft. While the number of large airports in the world is in the hundreds, there are many thousands of smaller airports providing communities all over the globe with vital air links. More often than not these services and the airports to which they are operated are loss making and require subsidies to sustain them. There are therefore many more interested parties involved in both providing and deciding issues relating to the provision of air transport in these situations, most especially central, regional and local governments who are charged with financing these activities. The book contains 17 chapters from experts in remote-region air transport, within the following 5 sections: - Key economic and socio-economic

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issues - Subvention mechanisms - Route development initiatives - Infrastructure provision - Issues affecting the provision of air services in remoter regions.

This book focuses on the factors that support the strengths of international airlines in general and the Asian airline carriers in particular. Defining the quality of human capital as the level of education and the competence of airline employees, it analyzes the efficiency of 39 airlines in various regions, both in terms of production and cost structures. It argues that, despite Asia's well-developed and globally competitive manufacturing sector, aided by open market practices, its overall service sector still lags far behind more advanced economies. As this does not stop Asia-based carriers from generally being more efficient than their counterparts in Europe and North America, the book investigates how competitiveness analysis of the airline industry can help Asian policymakers better prepare for the liberalization of the service sector, given how crucial this aspect is for the future growth of the Asia-Pacific region. *Efficiency and Competitiveness of International Airlines* offers a valuable resource for policymakers, airline employees, and researchers and students of microeconomics.

The *Routledge Companion to Air Transport Management* provides a comprehensive, up-to-date review of air transport management research and literature. This exciting new handbook provides a unique repository of current knowledge and critical debate with an international focus, considering both developed and emerging markets, and covering key sectors of the air transport industry. The companion consists of 25 chapters that are written by 39 leading researchers, scholars and industry experts based at universities, research institutes, and air transport companies and organisations in 12 different countries in Africa, Asia-Pacific, Europe and North America to provide a definitive, trustworthy resource. The international team of contributors have proven experience of research and publication in their specialist areas, and contribute to this companion by drawing upon research published mainly in academic, industry and government sources. This seminal companion is a vital resource for researchers, scholars and students of air transport management. It is organised into three parts: current state of the air transport sectors (Part I); application of management disciplines to airlines and airports (Part II); and key selected themes (Part III).

Air cargo is a key element of the global supply chain. It allows outsourcing of manufacturing to other countries and links production in both multinational and smaller enterprises. It has also been the most important driver of certain export industries in countries such as South Africa, Kenya and Chile. As a component of the air transport industry, air cargo makes the crucial difference between profit and loss on many long-haul routes. For some network combination carriers it accounts for up to half of total tonne-kms flown, and as much as one quarter of total revenue. In addition, the integrated carriers such as DHL, FedEx and TNT have their own fleets of dedicated freighter aircraft, and cargo aircraft operators like Cargolux and Nippon Cargo have a specialist role in the industry. Featuring expert analysis and worked examples to enhance understanding, *Moving Boxes by Air* by Peter Morrell offers a comprehensive and up-to-date guide to the business and practices of air cargo, with a chapter dedicated to each key issue, such as: current trends, market characteristics, regulation, airport terminal operations, pricing and revenues, and environmental impacts.

Air Traffic Management: Economics Regulation and Governance provides the latest insights on approaches and issues surrounding the economic regulation and

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governance of air traffic management (ATM). The book begins by explaining what ATM is, showing its importance within the aviation industry. It then outlines the unique institutional characteristics that govern ATM, also discussing its implications for economic regulation and investment. Technological developments and the issues and approaches to safety regulation are also covered, as are the implications ATM has on airports. The book concludes with an exploration of future directions, including the entry of drones into airspace and the introduction of competition in ATM services. Air traffic management plays a critical role in air transport, impacting both air safety and the efficiency of air services. Yet air navigation services are shifting from government provision to private industry, creating the need for more critical analysis of governance and economic regulation within the ATM industry. Consolidates the latest economic regulation and reform material regarding air traffic management. Provides numerous practical examples and real-world case studies drawn from around the globe. Explores economic regulation in both larger and smaller economies. Written from an objective, informed and practical perspective by an experienced regulation practitioner and researcher.

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