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# ***Journal Of Air Transport Management Unsw Aviation***

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

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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

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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

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

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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

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operations, pricing and revenues, and environmental impacts.

The purpose of this book is twofold. First, it lays out the forces that shaped the international aviation industry and that changed all the rules in the drive for liberalization. Second, it looks at the many interesting and difficult choices ahead that the airline industry in general and the international aviation industry in particular face. These choices include many dichotomies: pulling back from the trend toward liberalization or embracing the liberalization trend, merging in search of profitability or fragmenting the industry in search of economies. These possible futures are explored including the pros and cons of each future from a national,

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consumer, employer, and employee perspective. As with the previous two editions, *Evolution of International Aviation* reviews the historical development of the international aviation system. From this foundation it then provides an updated and expanded account of the current state of the aviation and aerospace industry including profitability, consolidation, and merger activity. New to this edition, the book broadens the coverage of the industry segments - airlines, air cargo, and manufacturing - to include the emerging commercial space sector. It also emphasizes the relationship between aviation and the political process, exploring the sustainability of this mode of transportation in a world of climate

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change, high oil prices, and political instability. Because this book is intended for both the interested amateur and the more serious student, references are provided in the text and at the end of each chapter to allow for further in-depth study. The third edition also adds to each chapter a set of learning objectives and a concluding series of questions for discussion.

Approaching management topics from a strategic and commercial perspective rather than from an operational and technical angle, *Managing Airports*, second edition, provides an innovative insight into the processes behind running a successful airport. It contains examples and case studies from airports all over the

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world to aid understanding of the key topic areas and to place them in a practical context. The book: \* tackles the key airport management issues related to economic performance, marketing and service provision within the context of the industry's wider development \* systematically considers the impact that airports have on the surrounding community, from both an environmental and economic viewpoint \* analyses the contemporary trends towards privatization and globalization that are fundamentally changing the nature of the industry Accessible and up-to-date, *Managing Airports* second edition, is ideal for students, lecturers and researchers of transport and tourism, and practitioners within the



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air transport industry. Airport case studies include those from BAA, Vienna, Aer Rianta, Amsterdam, Australia and the USA.

Economics, Regulation and Governance

The European Experience

Air Route Networks Through

Complex Networks Theory

Critical Issues in Air Transport

Economics and Business

Air Traffic Management

An International Perspective

The second edition of

Rigas Doganis' book

brings the airline

industry story up to

date, exploring airline

mergers and alliances,

price wars, the impact

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of disasters and the future prospects for the industry as a whole.

This book aims to provide comprehensive coverage of the field of air transportation, giving attention to all major aspects, such as aviation regulation, economics, management and strategy. The book approaches aviation as an interrelated economic system and in so doing presents the "big picture" of aviation in the market economy. It explains the linkages

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between domains such as politics, society, technology, economy, ecology, regulation and how these influence each other. Examples of airports and airlines, and case studies in each chapter support the application-oriented approach. Students and researchers in business administration with a focus on the aviation industry, as well as professionals in the industry looking to refresh or broaden their knowledge of the field

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will benefit from this book.

The ongoing deregulation and liberalization of worldwide air transport markets confronts airport planners with an increasingly problematic context. On the one hand, the capital intensive, large-scale and complex airport investments need a detailed, long/medium-term planning of airport infrastructure. Such planning requires at least predictable traffic volumes (and

traffic composition) within the planning horizon. On the other hand, airline route networks are increasingly dynamic structures that frequently show discontinuous changes. As a consequence, the much more volatile airport traffic restricts the value of detailed traffic forecasts. Volatility of airport traffic and its composition requires flexibility of airport strategies and planning

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processes. The book explores this dilemma through a detailed study of airline network development, airport connectivity and airport planning in the deregulated EU air transport market. The questions the book seeks to answer are:

- how have airlines responded to the regime changes in EU aviation with respect to the configuration of their route networks?
- what has been the impact of the reconfiguration of airline network

configurations for the connectivity of EU airports? · how can airport planners and airport authorities deal with the increasingly uncertain airline network behaviour in Europe?

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



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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

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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.

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Airport Marketing

Global Air Transport

Management and Reshaping

Business Models for the

New Era

Key Strategic

Developments

Special Issue

Aviation and

Sustainability

Air Transport in the

21st Century

**Air Transport Management: An**

**International Perspective**

**provides in-depth instruction**

**in the diverse and dynamic**

**area of commercial air**

**transport management. The**

**2nd edition has been**

**extensively revised and updated to reflect the latest developments in the sector. The textbook includes both introductory reference material and more advanced content so as to provide a solid foundation in the core principles and practices of air transport management. This 2nd edition includes a new chapter on airline regulation and deregulation and new dedicated chapters focusing on aviation safety and aviation security. Four new contributors bring additional insights and expertise to the book. The 2nd edition retains**

many of the key features of the 1st edition, including:

- A clearly structured topic-based approach that provides information on key air transport management issues including: aviation law, economics; airport and airline management; finance; environmental impacts, human resource management; and marketing;
- Chapters authored by leading air transport academics and practitioners worldwide which provide an international perspective;
- Learning objectives and key points which provide a framework for

**learning; • Boxed case studies and examples in each chapter; • Keyword definitions and stop and think boxes to prompt reflection and aid understanding of key terms and concepts. Designed for undergraduate and postgraduate students studying aviation and business management degree programmes and industry practitioners seeking to expand their knowledge base, the book provides a single point of reference to the key legal, regulatory, strategic and operational concepts and processes that shape the form**

**and function of the world's  
commercial air transport  
industry.**

**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 book offers material for strategic thinking featuring contributions from key figures in Europe, the US and Asia.**

**The focus of the book expands from economic to legal issues, bankruptcy and safety and security. The carefully selected papers offer a thorough and structured analysis of major current developments in the air**

**transport industry. Fully up to date, topics covered include competitive strength, capacity utilisation and risk. The most likely future scenarios are more or less known. Only, the timeframe remains uncertain. The speed at which the various market players in the air transport chain will implement their strategies remains the key question. This depends on a whole range of exogenous and endogenous variables, as this book aspires to demonstrate. As both an overview of the current issues affecting the industry and as a cohesive set of strategic**

**documents, therefore, this collection will prove invaluable for policy makers and researchers alike.**

**The break-up of BAA and the blocked takeover of Bratislava airport by the competing Vienna airport have brought the issue of airport competition to the top of the agenda for air transport policy in Europe. Airport Competition reviews the current state of the debate and asks whether airport competition is strong enough to effectively limit market power. It provides evidence on how travellers chose an airport, thereby**

**altering its competitive position, and on how airports compete in different regions and markets. The book also discusses the main policy implications of mergers and subsidies.**

**Special Issue: Challenges in Latin American Air Transport  
Airline Operations and Scheduling**

**Moving Boxes by Air  
Towards an Efficient European Air Transport System**

**The Global Airline Industry  
A Management Perspective**

Airline Operations and Delay  
Management fills a gap within the area

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of airline schedule planning by addressing the close relationships between network development, economic driving forces, schedule demands and operational complexity. The pursuit of robust airline scheduling and reliable airline operations is discussed in light of the future trends of airline scheduling and technology applications in airline operations. The book extensively explores the subject from the perspectives of airline economics, airline network development and airline scheduling practices. Many operational issues and problems are the inevitable consequences of airline network development and scheduling philosophy, so a wide perspective is essential to address airline operations in their proper context. The influence of airline network development on

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schedule planning and operations driven by economic forces and relaxed regulations is thoroughly examined for different types of operations in aviation such as network carriers and low-cost carriers. The advantages and disadvantages of running different networks and schedules are discussed and illustrated with real airline examples. In addition, this book provides readers with various mathematical models for solving different issues in airline operations and delay management. Airline Operations and Delay Management is ideal for senior undergraduate students as an introductory book on airline operations. The more advanced materials included in this book regarding modeling airline operations are suitable for postgraduate students, advanced readers and professionals



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interested in modeling and solving airline operational problems.

Airlines, like most industries, contain a mixture of good and badly managed companies (and perhaps more important, lucky and unlucky companies). More important in the longer-run is the institutional structure in which the companies offer their services. Air transport is a major industry in its own right. But it is also the fastest growing mode of transport for both passengers and freight, a large employer of labour, at the forefront of many technological developments and often a pioneer in adopting such innovations. It is the source of important economic stimuli for local economic development. This book examines the current state of European airlines - mainly, but not exclusively, those within the EU and

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the European Economic Area (EEA). It seeks in particular to determine if the current institutional structure provides a sustainable basis for the continued vitality of air transport as a facilitator of economic development, and it can serve as an input into wider matters involving the social and political integration within Europe. It also includes material on airports, slots and security. It provides the opportunity to look at factors that currently influence the efficiency of European airlines and to see how the industry has moved to meet these challenges. The book is also designed to be accessible with a glossary at the end, definitions of key terms and concepts, a list of abbreviations and acronyms and two annexes that provide more details of the European air transport market within the wider international

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regulatory system. The readership includes all concerned with airline and airport management, including regulators and government departments of transportation, and researchers in air transport. While of main interest to those in Europe, it is also important to all who are dealing with similar questions in other continents, and all concerned with inter-continental air transport provision. In the current aviation context the key features of the book are: "

Air Transport: A Tourism Perspective provides rigorous insights into the current complexities, synergies and conflicts within air transportation and tourism, presenting a balanced, comprehensive, contemporary, and global analysis that thoroughly examines the links between theory

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and practice. The book offers readers a multi-sector, global perspective on the practical implications of the link between air transport and tourism. By using a novel approach, it systematically explores the successive stages of a tourist's trip-investigating reasons for flying, the airport experience, airline industry structures, competition and regulation, and air transportation and destination interrelationships. In addition, the book explores current and salient debates on such issues as the influence of traveling to visit friends and family, the role of charters versus low cost carriers, public subsidies to support airport development, and much more. Presents insights from an international team of expert contributors with proven research and publication experience in their specialty area

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Includes cutting-edge analyses based on original research that identifies emerging research directions and policy and managerial implications Utilizes a multidisciplinary approach to fully explore theoretical and policy concepts and their effect on air transportation and tourism development Provides case studies from around the globe in each chapter 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

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concerns.

Air Transport and Tourism  
Planning, Design and Management  
Phoenix Rising  
Air Transportation  
Air Transport - A Tourism Perspective  
Fundamentals of Air Transport  
Management

**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.**

**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). One of the most complex challenges for the future of aviation is to ensure a safe integration of the expected air traffic demand. Air traffic is expected to almost double its current value in 20 years, which cannot be managed without the development and implementation of a safe air traffic management (ATM) system. In ATM, risk assessment is a crucial**

**cornerstone to validate the operation of air traffic flows, airport processes, or navigation accuracy. This book tries to be a focal point and motivate further research by encompassing crosswise and widespread knowledge about this critical and exciting issue by bringing to light the different purposes and methods developed for risk assessment in ATM. Airline Choices for the Future: From Alliances to Mergers offers an up-to-date assessment of the industry as it stands today,**

**delivering a comprehensive insight into how the world of airline alliances is changing, and how the merger phenomenon is likely to fit into the new scenario. The purpose of this book is twofold. Firstly, it outlines the evolution and the reasons behind alliances between international air carriers, the alliances' track records and the way they have affected airlines and the air transport industry. Secondly, drawing on past and more recent developments in the industry, it examines the**

**experiences airlines involved in cross-border mergers have gone through and the advantages and difficulties they have come across. Alliances and mergers are presented from both the airline and the consumer perspective. The book provides a balanced account of where mergers and alliances have taken the industry to date, bridging the gap between merger theory and implemented practices and strategies. It also identifies the challenges alliances and cross-border mergers have**

**faced and highlights the key forces affecting airline development. Theoretical evidence is supplemented by data collected via surveys and interviews with airline executives, aviation experts, consultants and regulatory bodies.**

**Managing Airports  
Aviation Systems  
Airline Choices for the Future  
Strategies to Cope with the New Millennium  
Environment  
The Airline Business  
Special Issue: Developments in the Deregulated Air**

## **Transport Market**

**The rapid growth of the aviation industry, propelled by catalysts like Liberalization, Privatization and Globalization has in recent years given a major fillip to the global economy in terms of facilitating international trade, generating employment, foreign exchange earnings, and prosperity from tourism, industrial growth and technological development. The potential market for air transport has shown signs of a strong global resurgence, with the Asia Pacific region's**



**performance far exceeding the world average growth&.with India and China being projected as the hottest growth sectors.The Indian aviation industry has shown impressive growth, contributing 1.0%, 8.0% and 69% share at the global, Asia Pacific and South Asian regional levels respectively. Key players such as Boeing, Airbus Industrie, ACI, IATA and ICAO envisage that India will touch 100 million passengers by 2010. Meanwhile, the Indian Government has responded**

**suitably, inter alia by encouraging private sector participation in the development of the civil aviation sector. Over ten chapters, this informative book elucidates all the concepts fundamental to the management of air transport, illuminating the factors key to operational, infrastructural and public policy in the development of air transport. Operations research techniques are extremely important tools for planning airline operations. However, much of the technical literature on**

**airline optimization models is highly specialized and accessible only to a limited audience. Allied to this there is a concern among the operations research community that the materials offered in OR courses at MBA or senior undergraduate business level are too abstract, outdated, and at times irrelevant to today's fast and dynamic airline industry. This book demystifies the operations and scheduling environment, presenting simplified and easy-to-understand models, applied**

**to straightforward and practical examples. After introducing the key issues confronting operations and scheduling within airlines, Airline Operations and Scheduling goes on to provide an objective review of the various optimization models adopted in practice. Each model provides airlines with efficient solutions to a range of scenarios, and is accompanied by case studies similar to those experienced by commercial airlines. Using unique source material and combining interviews with**

**alumni working at operations and scheduling departments of various airlines, this solution-orientated approach has been used on many courses with outstanding feedback. As well as having been comprehensively updated, this second edition of Airline Operations and Scheduling adds new chapters on fuel management systems, baggage handling, aircraft maintenance planning and aircraft boarding strategies. The readership includes graduate and undergraduate business,**

**management,  
transportation, and  
engineering students;  
airlines training and  
acquainting new recruits  
with operations planning  
and scheduling processes;  
general aviation, flight  
school, International Air  
Transport Association  
(IATA), and International  
Civil Aviation Organization  
(ICAO) training course  
instructors; executive jet,  
chartered flight, air-cargo  
and package delivery  
companies, and airline  
consultants.  
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.**

**Air transport industry finance, with its complexity and special needs such as route rights, airport slots, aircraft leasing options and frequent flyer programmes, requires specific knowledge. While there are numerous financial management and corporate finance texts available, few of these provide**

**explanations for the singularities of the airline industry with worked examples drawn directly from the industry itself. Revised and updated in its fourth edition, this internationally renowned and respected book provides the essentials to understanding all areas of airline finance. Designed to address each of the distinct areas of financial management in an air transport industry context, it also shows how these fit together, while each chapter and topic provides a detailed resource which**

**can be also consulted separately. Supported at each stage by practical airline examples, it examines the financial trends and prospects for the airline industry as a whole, contrasting the developments for the major regions and airlines. Important techniques in financial analysis are applied to the airline industry, together with critical discussion of key issues. Thoroughly amended and updated throughout, the fourth edition reflects the many developments that have**

**affected the industry, with a particular emphasis on the full impact of the global banking and sovereign debt crises. This edition also features new material discussing the increased airline mergers and acquisitions (M&A) activity of recent years, and considers the likelihood of further consolidation in the future. The book is a key resource for students of airline management, and a sophisticated and authoritative guide for analysts in financial institutions and consultancies, executives in**

**airlines and related  
industries, and civil  
aviation departments.  
Airline Operations and  
Delay Management  
Airport Systems, Second  
Edition  
From Alliances to Mergers  
Air Transport Liberalization  
Strategic Management in  
the Airline Industry  
A Critical Assessment**

The air transport industry is highly vulnerable to environmental changes as was seen when the recent COVID-19 pandemic caused most airline operations

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to cease. However, for decades airlines have been collapsing around the globe as the business of managing airline operations has become stressed due to price competition. This is detrimental to air carriers since air transport products and services are the same. Moreover, it impacts other industries such as tourism, hotels, and restaurants, which contribute to the derailment of economic and social activities.

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Thus, it is essential to determine new practices and strategies that can allow air transport management to be enriched and to flourish. Global Air Transport Management and Reshaping Business Models for the New Era provides a comprehensive collection of knowledge on the new era of business management on air transport. It provides strategies, technologies, and tools used in the reshaping of the air transport



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business model. Covering topics such as customer experience, robotic process automation, and airline alliances, this major reference work is an essential resource for airline managers, supply chain specialists, air transport managers, students and faculty of higher education, libraries, researchers, economists, government officials, and academicians.

Global Air Transport  
Management and Reshaping

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Business Models for the  
New Era IGI Global  
This accessible, up-to-  
date, comprehensive, and  
in-depth textbook  
introduces students and  
practitioners to the  
principles and practice  
of airport marketing as  
well as the major  
changes and future  
marketing challenges  
facing the airport  
sector. It applies  
principles of marketing  
within the airport  
industry, and examines  
airport marketing and  
its environment, how to

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define and measure the market for airport services, airport strategic marketing planning and individual elements of the airport marketing mix (product, price, distribution and promotion). The book integrates key elements of marketing theory with airport marketing in practice. Each chapter contains extensive industry examples for different types of airports from around the world to build on the theoretical base of the

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subject and show real-life applications. This new second edition has been updated to include: New and expanded content on branding and the passenger experience, marketing partnerships, engagement marketing and customer relationship management. Three brand new chapters on digital marketing, marketing for a more sustainable future, and crisis communications and marketing, in light of the Covid-19 pandemic. New, global case studies

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and examples throughout. This comprehensive textbook written by two airport marketing experts will be essential reading for air transport students and future managers. 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.

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Insights from Airline  
Economics, Networks and  
Strategic Schedule  
Planning

Air Transport and  
Regional Development  
Case Studies

Risk Assessment in Air  
Traffic Management

Air Transportation  
Systems Engineering  
From Theory to  
Applications

Airline Finance

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

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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  
Airport Marketing examines the management vision of airport marketing in

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the post-September 11th environment, presenting in-depth analysis of current airport management practices for both aviation and non-aviation-related activities. The 'aviation-related activities' section covers how an airport as a company develops its own marketing relationship with carriers and, in a broader sense, with all actors within the air transport pipeline, with the aim of increasing the number of intermediate clients consistent with its chosen positioning. The 'non-aviation-related' section, by contrast, focuses on how best-in-class airports have been developing new powers of attraction to customers in their regions, well beyond the simple concept of airport retailing, by use of the so-called 'commercial airport' model. Finally, the impact of September 11th is shown in terms of increased security measures and the future of the aviation



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industry as a whole. An analysis of worldwide airport industry is provided in the final chapter. Airport Marketing is essential reading for airport managers, government agencies, airlines, consultants, contributors, advisors and sub-contractors to this industry, as well as both undergraduate and graduate level aviation students.

**THE MOST PRACTICAL,  
COMPREHENSIVE GUIDE TO THE  
PLANNING, DESIGN, AND  
MANAGEMENT OF  
AIRPORTS--UPDATED BY LEADING  
PROFESSIONALS** "With the accelerated rate of change occurring throughout the aviation industry, this edition is a timely and very effective resource for ensuring both airport professionals and those interested in airports acquire a comprehensive understanding of the changes taking place, and how they impact

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airports and the communities they serve. A must read." -- James M. Crites, Executive Vice President of Operations, Dallas/Fort Worth International Airport "Airport Systems has been a must read for my management team and my graduate students because of its outstanding comprehensiveness and clarity. Now further enhanced by an expanded treatment of both environmental and air carrier issues, it promises to retain its place as the foremost text in the airport planning, engineering and management field." -- Dr. Lloyd McCoomb, retired CEO Toronto-Pearson Airport, Chair of Canadian Air Transport Security Authority "The chapter on Dynamic Strategic Planning should be required reading for every airport CEO and CFO. As de Neufville and Odoni emphasise, the aviation world is constantly changing and airport master planning must evolve to be

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more strategic and adaptable to ever changing conditions." -- Dr. Michael Tretheway, Chief Economist, InterVISTAS Consulting Group

Over the past decade, the airport industry has evolved considerably. Airport technology has changed. New research has taken place. The major airlines have consolidated, changing demand for airport services. In order to reflect these and other major shifts in the airport industry, some of the world's leading professionals have updated the premier text on airport design – making it, now more than ever, the field's most comprehensive resource of its kind. **NEW TO THIS EDITION:** Chapter-ending conclusions, with reference material, and exercises Coverage of the latest aircraft technology and air traffic control Advances in the design, planning, and management of airports Additional chapter on Aircraft Impact on Airports

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Updated environmental regulations and international rules Two contributing authors from Massachusetts Institute of Technology

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

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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

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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.

The Economics of International Air Cargo

Management of the Integrated Aviation  
Value Chain

Airport Competition

Airline Network Development in Europe  
and its Implications for Airport Planning

The Geographies of Air Transport

***Air Route Networks Through  
Complex Networks Theory  
connects theory research  
with network connectivity  
analysis, providing***

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*practitioners with the tools they need to develop more efficient, resilient and profitable air route networks. The book helps airline route planners and executives create more robust route networks that are less vulnerable to disruptions, such as node isolation. The book further explores errors and attacks in complex networks, strategies for detecting critical nodes and cascading failure models to assess and maximize robustness. The book explains how to measure air route network*

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*connectivity with complex network representations. Air transport is among the most dynamic and toughest competition industries in today's global economy. The quality of air route network design is a key strategic factor in an airline's viability. These robust networks provide for more stable and secure carrier operations vs. those based simply on existing supply and demand volumes. Node-specific and network-specific representations are covered, along with in-depth coverage of*



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*connectivity in special  
and temporal networks.  
These collective tools  
serve as a guide for  
practitioners seeking to  
apply complex network  
theory to the airline  
industry. Presents complex  
networks theory research  
results applied to airline  
transportation networks  
Examines airline network  
robustness in the face of  
disruptions, providing  
strategies for detecting  
critical nodes of air  
transport networks  
Provides historical  
perspective on the  
economic, political,*

*technical, and geographical constraints that influence airline route portfolios Connects data from valuable tools, such as navpoints, area control centers (ACC), and flight information centers, with air network modeling Studies spreading-related phenomena, such as rumors, and disease contagions, and how these affect the airline industry*

*The aviation industry is a major driver of world trade. As global markets and economies are constantly evolving,*

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*practitioners and academics need more quality information and a broader perspective of aviation management rather than just silo-based knowledge, particularly if they wish to move up the management ladder and progress. Air Transport Management presents the dynamic shifts which have influenced structural changes in the aviation industry, such as the emergence of low cost carriers. These changes have transformed the market, leading to deregulation and*

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*consolidation. The author provides a viable road map aimed at giving students and managers in the aviation industry a rigorous understanding on how to manage strategically in complex and turbulent market conditions. Air Transport Management examines the airline industry structure in terms of entry barriers, competition dynamics and competing business models. With the inclusion of fascinating case studies, this handbook assesses different business models*

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*used by international  
companies and proposes  
best fit management  
practices which airlines  
should follow in order to  
survive. Online supporting  
resources include  
PowerPoints of lesson  
plans.*

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