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# Aviation Thesis Topics

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The Federal Aviation Administration Plan for  
Research, Engineering, and Development  
Strategic Issues in Air Transport  
Public-sector Aviation Issues  
Public-sector Aviation Issues  
Appendices to "An Investigation of Prediction of  
Success in Naval Flight Training"  
Absent Aviators  
Compendium of Research Topics  
Comparison of Aircraft Manufacturers Marketing  
Processes  
Liberalization in Aviation  
Public-sector Aviation Issues  
Graduate Research Award Program on Public-  
sector Aviation Issues Update: 2008-2017  
NASA SP-7500  
Aviation and Its Management  
Post-secondary Aviation & Space Education  
Reference Guide  
Handbook of Research on Academic Misconduct  
in Higher Education  
Scientific and Technical Aerospace Reports  
Public-sector Aviation  
Air Transport System  
Graduate Research Award Program on Public-  
sector Aviation Issues Update, 2008-2013  
NASA EP.

Flying Off Course  
Army RD & A Bulletin  
Airline Operations Research  
Public-sector Aviation  
Management, a Continuing Literature Survey with  
Indexes  
Army RD & A Magazine  
Evolution of International Aviation  
Automated Systems in the Aviation and  
Aerospace Industries  
The Politics of International Aviation  
The Aircraft Pilot  
Aerospace Bibliography  
Aeronautical Engineering  
Naval Aviation News  
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Airport Research Needs  
Public-sector Aviation Issues  
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Aerospace Bibliography

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**FREEMAN  
JOVANI**

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**The Federal  
Aviation  
Administrati  
on Plan for**

**Research,  
Engineering,  
and**

**Developmen**

**t** Routledge  
The increase  
in practical  
problems  
generated by  
the intensive

growth in air  
transport has  
necessitated  
the  
development  
of specialised  
operations  
research  
methods and  
modern

computer technology. By combining operational research data from both scientific publications and airline companies, this book, first published in 1988, provides a unique source of information for those working on the development and application of operations research analysis in air transportation . Topics include air transport analysis, flight frequency determination,

the scheduling of flights and personnel, and the problems of airline overbooking. **Strategic Issues in Air Transport** Springer Science & Business Media Air traffic controllers need advanced information and automated systems to provide a safe environment for everyone traveling by plane. One of the primary challenges in developing training for automated

systems is to determine how much a trainee will need to know about the underlying technologies to use automation safely and efficiently. To ensure safety and success, task analysis techniques should be used as the basis of the design for training in automated systems in the aviation and aerospace industries. Automated Systems in the Aviation and Aerospace Industries is a pivotal

reference source that provides vital research on the application of underlying technologies used to enforce automation safety and efficiency. While highlighting topics such as expert systems, text mining, and human-machine interface, this publication explores the concept of constructing navigation algorithms, based on the use of video information and the

methods of the estimation of the availability and accuracy parameters of satellite navigation. This book is ideal for aviation professionals, researchers, and managers seeking current research on information technology used to reduce the risk involved in aviation. **Public-sector Aviation Issues** Springer  
 "The papers in this volume of the Transportation Research

Record: Journal of the Transportation Research Board were selected for awards in a nationwide competition under the 2011 to 2012 Graduate Research Award Program on Public-Sector Aviation Issues. The program is sponsored by the Federal Aviation Administration (FAA) and administered by the Transportation Research Board through the Airport Cooperative Research

Program (ACRP). The purpose of the Graduate Research Award Program is to encourage applied research on airport and related aviation system issues and to foster the next generation of aviation community leaders. The program aims to stimulate thought, discussion, and research by those who may become airport managers, operators, designers, and aviation policy makers. The focus is on applied research to help the public sector improve the quality, reliability, safety, and security of the U.S. civil aviation system. The 10 papers in this volume were peer-reviewed by members of the ACRP Selection Panel for the Graduate Research Award Program on Public-Sector Aviation Issues, with additional expert advice as noted below. The panel evaluates applications from graduate students and recommends candidates for awards on the basis of academic accomplishments, references, experience, career goals, and proposed research (quality of concept, approach, and potential value to the public sector of aviation) and supervises research throughout the academic year."-- Foreword

(page vii).	include U.S.	explores the
<b>Public-sector</b>	civil air show	impact of
<b>Aviation</b>	crashes, 1993	heavy aircraft
<b>Issues</b>	to 2013;	takeoffs on
Transportation	identifying	airfield
Research	and analyzing	pavement; an
Board	atypical	evaluation of
TRB's	flights;	pavement
Transportation	spatiotempora	preservation
Research	l dynamics in	and
Record:	identification	maintenance
Journal of the	of aircraft-bird	activities at
Transportation	strikes; airport	general
Research	infrastructure	aviation
Board, No.	investment;	airports in
2471 consists	quantifying	Texas; airport
of 9 papers	the	traffic and
selected for	performance	metropolitan
awards in a	of warm-mix	economies;
nationwide	asphalt and	and an
competition	reclaimed	analysis of the
under the	asphalt	timing of flight
2014 to 2015	pavement in	delay
Graduate	flexible airfield	announcemen
Research	pavements;	ts by U.S.
Award	and airfield	airlines. The
Program on	pavement	Graduate
Public-Sector	response	Research
Aviation	caused by	Award
Issues. Topics	heavy aircraft	Program on
explored by	takeoff. This	Public-Sector
the papers	issue also	Aviation

Issues is managed by TRB's Airport Cooperative Research Program and sponsored by the Federal Aviation Administration . The program is designed to encourage applied research on airport and related aviation system issues and to foster the next generation of aviation community leaders. -- Publisher's website Appendices to "An Investigation of Prediction of Success in

Naval Flight Training" Springer Lists citations with abstracts for aerospace related reports obtained from world wide sources and announces documents that have recently been entered into the NASA Scientific and Technical Information Database. **Absent Aviators** Taylor & Francis 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, 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 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. *Compendium of Research Topics* Routledge

An examination of the politics of international aviation. Topics covered include international conflicts and the safety of air travel, ICAO in the United Nations context, and the problems related to

terrorism in the sky, such as setting security standards in airports. Comparison of Aircraft Manufacturers Marketing Processes Routledge

Urges the US Congress to establish a national airport cooperative research program. The committee that produced the report called such a program essential to ensuring airport security, efficiency, safety, and environmental

compatibility. Liberalization in Aviation BoD - Books on Demand

There are broadly four strategic issues in aviation: safety; security; environmental protection; and sustainability in air transport. These issues will remain for a long time as key considerations in the safe, regular, efficient and economic development of air transport. Within these four broad

categories come numerous subjects that require attention of the aviation industry as well as the States. In six chapters, this book engages in detailed discussions on these subjects as they unravelled in events of recent years. The issue of safety is addressed first, following an introduction of the regulatory regime covering the four issues. Within the area of safety, the book

covers such areas as safety management systems, safety and aeromedicine, safety and meteorology, the use of airspace, unmanned aircraft systems and safety oversight audits. In the security area, subjects covered include cyber terrorism, the integrity of travel documents, full body scanners, civil unrest and aviation, the suppression of unlawful acts on board

aircraft and the financing of terrorism. The chapter on the environment focuses mainly on climate change - particularly on carbon credits, market based measures, the carbon market and emissions trading schemes and their effect on air transport. Finally, the chapter on sustainability discusses in detail market access along with such issues as slot allocation, open skies, the use of

alternative fuels as an economic measure and corporate foresight. The concluding chapter wraps up with a discussion on where air transport is headed.

Public-sector Aviation Issues IGI Global

To maintain the quality of education, integrity and honesty must be upheld by students and teachers in learning environments. The prevention of cheating is a prime factor in this endeavor.

The Handbook of Research on Academic Misconduct in Higher Education is a pivotal reference source for the latest scholarly material on the implementation of policies and practices to inhibit cheating behaviors in academic settings. Highlighting emerging pedagogies, empirical-based evidence, and future directions, this book is ideally designed for professionals, practitioners, educators, school administrators, and researchers interested in preventing academic dishonesty.

*Graduate Research Award Program on Public-sector Aviation Issues Update: 2008-2017* Public-sector Aviation Issues

Airline Operations Research

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 that 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. [NASA SP-7500](#) Transportation Research Board National Research The book addresses all major aspects to be considered for the design and operation of aircrafts within the entire transportation chain. It provides the basic information about the legal environment, which defines the basic requirements for aircraft design and aircraft operation. The interactions between airport, air traffic management and the airlines are described. The market forecast methods and the aircraft development process are explained to understand the very complex and risky business of an aircraft manufacturer. The principles of flight physics as basis for aircraft design are presented and linked to the operational and legal aspects of air

transport including all environmental impacts. The book is written for graduate students as well as for engineers and experts, who are working in aerospace industry, at airports or in the domain of transport and logistics.

Aviation and Its Management  
Routledge  
Master's Thesis from the year 2012 in the subject Communications - Public Relations, Advertising, Marketing, Social Media, grade: -,

University of Illinois,  
language: English,  
abstract: The purpose of the thesis is to compare and explain processes related to aircraft sales in aircraft manufacturers departments of large and small aircraft producers in practice and on examples. Due to complexity of marketing processes which are performed by large manufacturers it was decided to dedicate to this processes

the practical part of the thesis, and because of that the case study is focused on these processes. The reason for this research is the fact that there are no other theses, literature or materials for students that comprehensively describe and compare processes inside marketing departments. It was decided to study processes used by small and large aircraft manufacturers marketing

departments. Detailed search of the literature available did not yield desired results in terms of needed information and before it was decided to contact professionals from the aircraft manufacturer marketing field and use personal experience of the author in the subject under study. To be able handle the subject properly and sufficiently it was necessary to use different kinds of information resources and cooperate with senior analysts from the industry. After data gathering and comparison it had been found that there are extraordinary differences between large and small aircraft manufacturers marketing departments. The results of this thesis, and comparisons, should serve as an overall overview of the studied subject and as an information source not only for students of aviation subjects. The conclusions arrived at here can serve as a basis for further research of this wide topic.

*Post-secondary Aviation & Space Education Reference Guide* IGI Global Aviation has grown leaps and bounds within the last decade. Aviation courses and training at all levels have shown an exponential increase

around the globe. There has been a restricted focus on writing books in this sector of the economy, mainly due to the shortage of expertise in this specialist and complex area. This book was written with the purpose of meeting this need of the aviation sector. Due to the diversified nature of aviation knowledge, which includes flying, engineering, airports, allied trades for aircraft and

airports, airline and airport management and operations, education, etc., one text alone will not suffice and do justice to address all these areas. It is envisaged to develop subsequent parts of this book to cover all these knowledge areas. This book is the first installment of any subsequent books and explores issues including airline management

and operations, airline business models, airport systems, flight operational procedures, aircraft maintenance, runway safety management systems, and air traffic management. In particular, attention will be given to aspects such as analysis of air traffic in a domestic market, runway safety management systems, critical success factors for multiple MRO service



<p>providers, key pain points of the industry to be addressed to move into the future, new research on hub airports for international flights, new business models for airlines, and runway safety management systems. This book is useful to aviation managers, educators, students, and professionals interested in any of the above issues. <a href="#"><u>Handbook of Research on Academic Misconduct in Higher Education</u></a></p>	<p>"TRB's Airport Cooperative Research Program (ACRP) Research Results Digest 25: Graduate Research Award Program on Public-Sector Aviation Issues Update: 2008--2017 provides initial information for the 2016--2017 academic year of the Graduate Research Award Program on Public-Sector Aviation Issues (ACRP Project 11-04). The report also includes abstracts for</p>	<p>student papers from the 2015--2016, 2014-2015, and 2013--2014 academic years, and lists papers from prior academic years beginning in 2008--2009. Abstracts for the earlier papers are available in ACRP RRD 14 and ACRP RRD 19. The program, sponsored by the U.S. Federal Aviation Administration and administered by the ACRP, is designed to</p>
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encourage applied research on airport-related aviation system issues and to foster the next generation of aviation community leaders. Under the program, up to ten awards of \$10,000 each are made to full-time graduate students for successful completion of a research paper on public-sector airport-related aviation issues during the academic year. Candidates must be full-time

students enrolled in a graduate degree program at a North American accredited institution of higher learning during the academic year. Successful papers are presented at the TRB Annual Meeting following completion of the program, and exceptional papers have been published in subsequent volumes of the Transportation

Research Record: Journal of the Transportation Research Board."-- Publisher's description. Scientific and Technical Aerospace Reports The last few decades have witnessed substantial liberalization trends in various industries and countries. Starting with the deregulation of the US airline industry in 1978, regulatory restructuring took place in further

network industries such as telecommunications, electricity or railways in various countries around the world. Although most of the liberalization movements were initially triggered by the worrying performances of the respective regulatory frameworks, increases in competition and corresponding improvements in allocative and productive efficiency

were typically associated with the respective liberalization efforts. From an academic perspective, the transition from regulated industries to liberalized industries has attracted a substantial amount of research reflected in many books and research articles which can be distilled to three main questions: (1) What are the forces that have given rise to regulatory reform? (2)

What is the structure of the regulatory change which has occurred to date and is likely to occur in the immediate future? (3) What have been the effects on industry efficiency, prices and profits of the reforms which have occurred to date? Liberalization in Aviation brings together renowned academics and practitioners from around the world to address all three

questions and draw policy conclusions. The book is divided into five sections, in turn dealing with aspects of competition in various liberalized markets, the emergence and growth of low-cost carriers, horizontal mergers and alliances, infrastructures, and concluding with economic assessments of liberalization steps so far and proposed steps in the future.

### **Public-sector Aviation**

Public-sector Aviation Issues Airline Operations Research Taylor & Francis Air Transport System The objective of this book is to present a number of related chapters on the subject of gender issues in the workplace of the aviation industry. More specifically, the chapters address the continuing shortfall in the number of women pilots in both civilian and military aviation.

Considerable research has

been carried out on gender issues in the workplace and, for example, women represent about 10% of employees in engineering. This example is often used to show that the consequences of gender discrimination are embedded and difficult to overcome in masculine-dominated occupations. However, women represent only 5-6% of the profession of pilot. Clearly there are many factors

which mitigate women seeking to become pilots. The chapters within this volume raise both theoretical and practical issues, endeavouring to address the imbalance of women pilots in this occupation. Absent Aviators consolidates a diverse range of issues from a number of authors from Australia, Austria, the United States, Canada, South Africa and the United Kingdom. Each of the

chapters is research-based and aims to present a broad picture of gender issues in aviation, gendered workplaces and sociology, underpinned by sound theoretical perspectives and methodologies. One chapter additionally raises issues on the historical exclusion of race from an airline. The book will prove to be a valuable contribution to the debates on women in

masculine-oriented occupations and a practical guide for the aviation industry to help overcome the looming shortfall of pilots. It is also hoped it will directly encourage young women to identify and overcome the barriers to becoming a civilian or military pilot. Graduate Research Award Program on Public-sector Aviation Issues Update, 2008-2013 **NASA EP.**

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