



ATRS

Air Transport Research Society

12th World Conference

6-10 July 2008 • Athens

Hosting Organization: Co-hosting Institution:
University of the Aegean



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Dr Kostas IATROU

Chairperson of the ATRS 2008 Organizing Committee

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University of the Aegean

Dr Dimitris KOUTOULAS

Hellenic Open University

ATRS Networking Committee

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2003 Conference Chair

VP Publications

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1999 Conference Chair

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Department of Business, Embry Riddle Aeronautical University

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2000 Conference Chair

University of Amsterdam, Transport Economics Department

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2008 Conference Chair

Secretary General, Hellenic Aviation Society

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Keith J. MASON (UK)

Air Transport Group, College of Aeronautics, Cranfield University

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Department of Nautical Sciences and Intl Economics, University of Bremen

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1998 Conference Chair

Department of Economics, University College Dublin

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Marketing & Sales Support Director, Airbus

Mehmet Fevzi UNAL (Turkey)

2004 Conference Chair

Istanbul Technical University

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WCTR Steering Committee, The University of New South Wales

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National Chiao Tung University,

Institute of Traffic and Transportation

Peter J. FORSYTH (Australia)

Department of Economics,

Monash University

Paul HOOPER (Thailand)

International Civil Aviation Organization

Hideyuki KITA (Japan)

School of Civil Engineering, Kobe University

Yeong-Heok LEE (Korea)

2001 Conference Chair

Hankuk (Korea) Aviation University, Department of Air Transport

Hiroataka YAMAUCHI (Japan)

Faculty of Commerce, Hitotsubashi University

Jia YAN (Hong Kong)

Department of Logistics, The Hong Kong Polytechnic University

Yimin ZHANG (China)

China Europe International Business School

Latin America**Respicio Do Espirito SANTO Jr. (Brazil)**

2005 Conference Chair

Federal, University of Rio de Janeiro

Distinguished Fellow**William SWAN (USA)**

2002 Conference Chair

Chief Economist, Seabury Airline Planning Group, LLC

Yoshitsugu HAYASHI (Japan)

Graduate School of Environmental Studies, University of Nagoya

Welcome



It gives me great pleasure to welcome you to Athens and to Greece, the birthplace of democracy, of the Olympic Games and of air flying, how appropriate. According to ancient Greek mythology, Daedalus and Icarus were the very first people that flew. It should also be born in mind that the word prefix aero- and the derivatives, aeronautics, airplane and many others are Greek.

This year's ATRS World Conference presents many innovations whose aim is to render this event an important meeting not only for the academics of the field but also to make an important event for air transport in general. The participation of personalities from ICAO, European Commission, ACI Europe, Star Alliance, European Regions Airline Association, IATA, Athens International Airport is set within this context.

The 12th ATRS World Conference owes its organization to the collaboration of the University of the Aegean and to our sponsors who offered their full support from the very beginning. More specifically, the gold sponsors, the Athens International Airport, Emmanuel Gyzis and Partners, and AirBP; our Official Carrier, Olympic Airlines; our sponsors Sofitel Athens Airport Hotel, Creative Marketing and Remove Before Flight Magazine; and our Media Sponsor, AirTransportNews.

The organizing committee will do its best to make your stay in Athens unforgettably pleasant!

Dr Kostas Iatrou

Chairperson of the ATRS 2008 Organizing Committee



Dear Colleague,

On behalf of the ATRS 2008 Conference Executive Committee, I would like to warmly welcome you to Athens, Greece. Since 1997 the Conference has managed to establish itself as the leading scientific annual event in the area of air transport world-wide. We aim at furthering this tradition by organising an excellent conference of high academic standards and with a panel of worldwide known keynote speakers. The ATRS 2008 Conference is hosted by the Hellenic Aviation Society (HAS) in collaboration with the University of the Aegean (UoA). HAS contributes to the progress and scientific promotion of air transport in Greece while UoA has an excellent reputation in business administration and tourism research and studies. As in previous years, the Conference covers a multitude of exciting topical themes in air transport but we also hope to raise the importance of synergies between aviation and related fields. I trust that you will find the ATRS 2008 Conference very interesting and your time here well spent! I am looking forward to meeting you in person during the conference,

Dr Andreas Papatheodorou

Chairperson of the ATRS 2008 Executive Committee



It is my pleasure to welcome you to the great city, Athens, for the 12th Annual World Conference of the Air Transport Research Society (ATRS) to be held on 6-10th, July, 2008. It is great to see that the ATRS has become a truly global forum of academics, industry researchers, industry and government executives and decision makers. This year's ATRS conference received nearly 350 abstracts from

all over the world, of which we could only accommodate about 220 selected papers. On behalf of the ATRS membership and its Networking Committee, I would like to extend my congratulations to the paper authors invited to present their work at this conference.

I would like to report to you that the quality of the research presented in our conference has been improving very rapidly, in that a significant number of papers presented in our past conferences made their way to many mainline and top quality field journals. The ATRS special issues of journals have been very well received. For example, all six papers published in the JATM Special Issue from the 2006 ATRS World Conference in Nagoya were ranked among the top 10 papers of the all papers published in that journal during July-September 2007 period.

This year, we are extremely happy to welcome Dr. Taieb Cherif, Secretary General of ICAO to the Opening Keynote session to share his views on the future development of the air transport industry. In addition to attending the keynote sessions and the outstanding research presented throughout this conference, I also hope that you are able to enjoy the social events and the technical tours planned and the wonderful history and beauty that Athens has to offer. I would like to offer my sincere thanks to the Athens organizing committee for the tremendous efforts in preparing for this very successful ATRS conference. I would also like to thank all of the ATRS members, the Networking Committee, and conference participants for making this annual conference a truly rewarding and stimulating experience for all involved. Of course, on behalf of the ATRS membership I express special thanks to the generous contributions of the sponsors to this conference.

Thank you very much.

Prof Tae Oum

President, Air Transport Research Society (ATRS)



Ladies and Gentlemen,
As the President of the Hellenic Aviation Society I extend to you a very warm welcome to Athens.

It is an honour and great pleasure for the Hellenic Aviation Society to organize and host the annual ATRS World Conference for the year 2008 in Athens. Our Society is a scientific group of distinguished aviation experts who have decided to unify their efforts with the purpose to promote and develop the knowledge of air transport.

We are grateful to the ATRS for giving us the opportunity to enlarge our activities by undertaking this international conference. The various aspects and issues discussed by the speakers will contribute to a better understanding of the market and related developments. I strongly believe that all the participants will leave this conference wiser.

As regards our responsibility, as the hosting organization, we will undertake every possible effort to have a successful conference and ensure a pleasant stay in Athens for all our friends who participate.

Emmanuel Keramianakis

President, Hellenic Aviation Society



Dear Conference Delegates,
On behalf of the University of the Aegean and the Laboratory for Tourism Research and Studies (ETEM) I would like to welcome you cordially to the 12th World Conference of the Air Transport Research Society. ETEM has operated in the Department of Business Administration at the University of the Aegean (UoA) since

2000 and is located in Chios, Greece. It aims to satisfy the teaching and research needs of the UoA in various tourism-related areas. ETEM can also provide high-quality specialized research and consultancy in tourism related to the following areas: Air Transport, Destination Management and Development, Economics, Environment, Sociology, Information Technology and E-Business, Marketing, Education and Training, Hospitality, Management of Organizations. In addition to numerous publications in peer-reviewed academic journals, ETEM-UoA staff have participated in tourism projects funded by the European Union including programmes under EQUAL and INTERREG. In this context, ETEM has gained substantial international exposure which is further deepened by hosting or co-hosting reputable conferences such as the present. Having the above in mind, may I take the opportunity to thank you for being here, hoping that you will thoroughly enjoy the 2008 ATRS conference and your time in Greece!

My best regards,

Prof Paris Tsartas

*Director of ETEM and Head of the Department of Business Administration
University of the Aegean*

About ATRS



The Air Transport Research Society was launched as a special interest group of the WCTR Society at the seventh Triennial WCTR Conference in Sydney. The objectives of the ATRS are as follows:

- To help organize and expand the air transport related sessions at the WCTR Conferences; to attract more people from airlines, airports, governments, research institutes and academia to the WCTR Society and its activities.
- To exchange research ideas and results via more frequent symposia, conferences or regional meetings than the WCTR Conference can provide via its main conferences every three years;
- To enhance research capability for truly multi-national and multi-disciplinary issues on air transportation. For example, a good research on the globalization of airline industry requires expertise in various disciplines (economics, engineering, law, management, operations, planning and others) as well as good knowledge of the international, regional, and national institutions and regulations related to air transportation.
- To interact with various international and national institutions which deal with policy and/or infrastructure issues concerning international aviation. Examples include the International Air Transport Association, the International Civil Aviation Organization, the World Trade Organization, the European Commission, the Pacific Economic Cooperation Council, etc.
- To eventually provide fora to facilitate the exchange of ideas for forming multi-national and/ or multi-disciplinary research teams to investigate topics of world-wide or continental interest.

Past Conferences:

- 2007 • Berkeley, USA
- 2006 • Nagoya, Japan
- 2005 • Rio de Janeiro, Brazil
- 2004 • Istanbul, Turkey
- 2003 • Toulouse, France
- 2002 • Seattle, USA
- 2001 • Jeju Island, Korea
- 2000 • Amsterdam, the Netherlands
- 1999 • Hong Kong
- 1998 • Dublin, Ireland
- 1997 • Vancouver, Canada

About the Hosts



Hellenic Aviation Society (HAS)

The Hellenic Aviation Society is a highly dynamic scientific forum on aviation issues in Greece. The aims of the Society are:

- To contribute to the progress and promotion of scientific work in air transport;
 - To present and promote the role of aviation and its contribution to the economic, political and social development to the wider public of Greece;
 - To offer survey, research and advisory assistance to governmental and private institutions involved in aviation;
 - To collaborate with Higher Education Institutions and other organizations engaged in the area of aviation;
- and
- To create and to keep Historical Archives and a Library for both Hellenic and international aviation.



University of the Aegean

The University of the Aegean is an international research oriented university. It is an inspiring, innovative, socially committed institution situated in the Aegean Archipelago, the ancient cradle of knowledge. The UoA embodies the concept of a “university network” a network of schools and departments, dispersed over five Aegean islands: Lesbos, Chios, Samos, Rhodes and Syros. The challenge of academic and administrative decentralization has resulted in imaginative new approaches in academic practice and has enhanced the sense of unity within the academic community of each campus. It is the network structure that fostered the early and full incorporation of Information and Communication Technologies in every day practice.

The UoA invests in innovative educational programmes and multidisciplinary fields of research that correspond to the needs of the modern world. It has led the way in the introduction of new undergraduate and postgraduate disciplines such as environmental studies, ICT's, multimedia and design, humanities, Mediterranean studies, making the UoA a pioneering and competitive institution at Greek and European level. It boasts an experienced and well-qualified academic staff with great research expertise, fully equipped laboratories, extensive international links in both research and exchange programmes and a vibrant student community. The beautiful Aegean islands provide a unique, natural, cultural and human environment in which high quality research and education environment can thrive.

Sunday 6 July 2008

- 09:30 - 11:00 ATRS Airport Benchmarking Task Force Meeting -sponsored by Sofitel Athens Airport**
Sofitel Athens Airport (Serius Meeting Room), Task Force members only
- 11:00 - 13:00 ATRS Networking/Executive Committee Meeting -sponsored by Sofitel Athens Airport**
Sofitel Athens Airport (Serius Meeting Room), Networking/Executive Committee members only
- 19:00 - 21:00 Welcome Reception -sponsored by AirBP**
Athens Club, 11 Eleftheriou Venizelou (also known as Panepistimiou) Avenue

Monday 7 July 2008

- 08:00 - 19:30 Conference registration -sponsored by Sofitel Athens Airport**
Sofitel Athens Airport (Basement 2)
- 10:00 - 12:00 Hellenic Aerospace Industry Technical Tour -sponsored by Hellenic Aerospace Industry**
Registration at Sofitel Athens Airport (Basement 2), Departure from Sofitel Athens Airport at 09:00
- 10:00 - 12:00 Athens International Airport Technical Tour -sponsored by Athens International Airport**
Registration at Sofitel Athens Airport (Basement 2), Departure from Sofitel Athens Airport at 09:00
- 14:00 - 14:15 Plenary Day (Sofitel Athens Airport, Callisto) -sponsored by Sofitel Athens Airport**
2008 ATRS World Conference Opening and Welcoming Addresses
Dr Kostas Iatrou, Chairperson - ATRS 2008 Organizing Committee
Dr Andreas Papatheodorou, Chairperson - ATRS 2008 Executive Committee
Prof Tae Oum, President - ATRS
Prof Paris Tsartas, Head of the Department of Business Administration - University of the Aegean
Emmanuel Keramianakis, President - Hellenic Aviation Society
- 14:15 - 14:45 Keynote Address from Dr Taieb Cherif, Secretary General - ICAO**
- 14:45 - 16:15 Air Transport Industry Executive Forum**
Chair: Prof Paul Dempsey, Director - McGill University
Daniel Calleja, Director Air Transport - European Commission
Morgan Foulkes, Director of Policy - ACI Europe
Brian Pearce, Chief Economist - IATA
Jeffrey Goh, General Counsel & VP Corporate Services - Star Alliance
Chris Tarry, CTAIRA
Michael Vaianos, Ground Handling Director, Olympic Airlines
Antonis Simigdalas, President - European Regions Airline Association
- 16:15 - 16:45 Coffee break -sponsored by AirBP**
- 16:45 - 17:15 Report on the ATRS Global Airport Benchmarking Project, 2008**
Prof Tae Oum, President - ATRS
- 17:15 - 18:30 The Airport Executive Forum on Operational Efficiency**
Chair: Prof Tae Oum, President - ATRS
Anne McGinley, Director - ACI
Dr Yiannis Paraschis, CEO - Athens International Airport and President - ACI EUROPE
Abdul Teffaha, Secretary General - Arab Air Carriers Organization
Mario Diaz, Deputy General Manager - Hartsfield Jackson Atlanta International Airport
- 20:00 - 00:30 Gala Dinner and Airport Performance Excellence Awards Ceremony**
-sponsored by Emm. A. Gyzis & Partners Law Offices
Plaza Resort Hotel, Departure from Sofitel Athens Airport at 19:00,
Departure from Plaza Resort Hotel at 00:30 to Sofitel Athens Airport and Novotel Athens

Conference Program

Tuesday 8 July 2008

Parallel Sessions sponsored by Athens International Airport

- 08:00 - 18:00** **Conference registration -sponsored by Sofitel Athens Airport**
Sofitel Athens Airport
- 09:00 - 10:30** **Concurrent Sessions I**
Athens International Airport (Buildings 11 and 17)
- 10:30 - 11:00** **Coffee break -sponsored by AirBP**
Athens International Airport (Building 11 and 17)
- 11:00 - 12:30** **Concurrent Sessions II**
Athens International Airport (Buildings 11 and 17)
- 13:00 - 14:00** **Lunch Break -sponsored by Athens International Airport**
Sofitel Athens Airport
- 14:30 - 16:00** **Concurrent Sessions III**
Athens International Airport (Buildings 11 and 17)
- 16:00 - 16:30** **Coffee break -sponsored by AirBP**
Athens International Airport (Building 11 and 17)
- 16:30 - 18:00** **Concurrent Sessions IV**
Athens International Airport (Buildings 11 and 17)
- 18:15 - 19:45** **Book Presentations**
Athens International Airport (Building 17)

Wednesday 9 July 2008

Parallel Sessions sponsored by Athens International Airport

- 08:00 - 18:00** **Conference registration -sponsored by Sofitel Athens Airport**
Sofitel Athens Airport
- 09:00 - 10:30** **Concurrent Sessions V**
Athens International Airport (Buildings 11 and 17)
- 10:30 - 11:00** **Coffee break -sponsored by AirBP**
Athens International Airport (Building 11 and 17)
- 11:00 - 12:30** **Concurrent Sessions VI**
Athens International Airport (Buildings 11 and 17)
- 13:00 - 14:00** **Lunch Break -sponsored by Athens International Airport**
Sofitel Athens Airport
- 14:30 - 16:00** **Concurrent Sessions VII**
Athens International Airport (Buildings 11 and 17)
- 16:00 - 16:30** **Coffee break -sponsored by AirBP**
Athens International Airport (Building 11 and 17)
- 16:30 - 18:00** **Concurrent Sessions VIII**
Athens International Airport (Buildings 11 and 17)
- 18:15 - 19:30** **Closing Plenary Session**
Athens International Airport (Building 17)

Thursday 10 July 2008

Excursion

Venues

Conference Venue

7 July

The Conference Opening, the Plenary session and the ATRS Global Airport Benchmarking Report will be held on Monday 7 July at Sofitel Athens Airport, Callisto room. The hotel is 50 m from the arrival and departure terminals of Athens International Airport. The metro and the suburban railway operate direct services to the airport every 30 minutes from the city centre.



8 and 9 July

The parallel sessions of Tuesday 8 and Wednesday 9 July and the closing plenary session will be held at Athens International Airport Training Centre, Buildings 11 and 17. The access to the Training Centre is made by the internal bus of Athens International Airport departing from Arrival level of the Main Terminal Building and only already registered delegates from Monday 7 July will have access. Athens International Airport Training Centre has been developed in the context of the Airport's dynamic interaction with the business community. Aiming to provide modern companies with top-quality training programmes, AIA's Training Centre operates on the very principles of cooperation, exploration and efficient client satisfaction that brought AIA to the top position worldwide regarding Total Passenger Customer Service for 2002.



Gala Dinner and Airport Performance Excellence Awards Ceremony

The Dinner of the conference will be held on Monday 7 July at Plaza Resort (52nd Kilometer Athens - Souniou Ave., Anavysos Beach). Plaza Resort is situated in Palea Fokea, a small coastal fishermen's village 25km, 30 minutes drive from Athens International Airport and 52km, 45 minutes drive from Athens city centre (Syntagma square). Free shuttle bus will be provided from Sofitel Athens Airport to Plaza Resort at 19:00 and from Plaza Resort to Sofitel Athens Airport and Novotel Athens at 00:30.



Tours

Greek Islands Cruise

This one day cruise will give you a flavor of the islands close to Athens. During the cruise you will visit Aegina, Poros, and Hydra islands. Buffet lunch will be served on the boat, and you'll enjoy entertainment and Greek Dancing while at sea.



Athens International Airport “Eleftherios Venizelos”

Technical Tour

Committed to operation and service excellence, safety and user-friendliness, the state-of-the-art Athens International Airport «Eleftherios Venizelos» (AIA) has been serving Greece’s capital since the opening date March 28th, 2001.

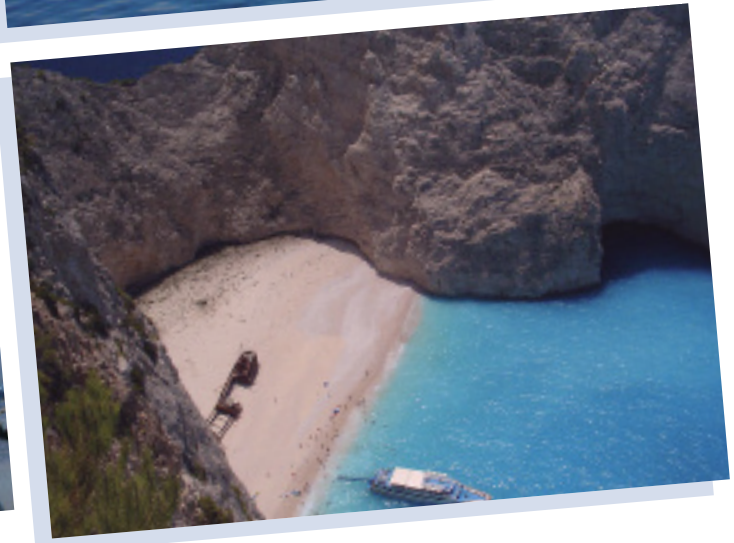
A 2.2 billion Euro investment, the new airport was built in a record time of 51 months, replacing its congested predecessor, and offering to all airlines and passengers a modern, spacious and state-of-the-art environment. Athens International Airport has already managed to earn international recognition, holding top positions in the world for the last four years in Overall Passenger Satisfaction - in its airport size category - according to the IATA Global Airport Monitor and AETRA surveys.

Hellenic Aerospace Industry S.A.

Technical Tour

Established in 1975, The Hellenic Aerospace Industry S.A. (HAI) is one of the major state-owned defence companies in Greece with an established reputation in the international market as a reliable service provider and business partner. HAI is located 65 kilometres N.W. of Athens, with a capacity of covered area 200,000m2. Its highly operational, efficient industrial capability is organized by dedicated production centres geared to deliver high performance quality services and products in a diversified range of activities.

About Greece



There are few places that evoke such a heady sense of cultural romance as Greece. The cradle of Western thought, literature, art, architecture and democracy gave birth to such treasures as Homer's Iliad, Sophocles' Oedipus the King, the teachings of Plato and Socrates, the Parthenon, the Delphic Oracle, the Olympics and yes, even a recent Eurovision song contest winner. It is a cultural red-carpet which Greeks are justifiably proud to roll out.

Greece -officially the **Hellenic Republic**- is situated in South-eastern Europe, with an area of 131,957 sq.km. and a population of 10,964,020. Athens is the capital of Greece with a population of 3,192,606. Local time is GMT +2 hours. The currency is euro. All major credit cards are widely accepted in Greece.

Climate - Weather

Greece has a Mediterranean climate with plenty of sunshine, mild temperatures and a limited amount of rainfall. Due to the country's geographical position, its rugged relief and its distribution between the mainland and the sea, there is great variation in Greece's climate. In summer, the dry hot days are cooled by seasonal winds called the meltemi, while mountainous regions have generally lower temperatures.

Electric Current

The standard in Greece is 230V AC (50Hz). Appliances from North America require a transformer and British ones an adaptor.

About Athens

Athens is the largest city and capital of Greece, located in the Attica periphery of Southern Greece. Named after goddess Athena, Athens is one of the oldest cities in the world with a recorded history of at least 3,000 years.

Athens began its history as a Neolithic hill-fort on top of the Acropolis («high city»), some time in the third millennium BC. The settlement was about 20 kilometers inland from the Saronic Gulf, in the centre of the Cephisian Plain, a fertile dale surrounded by rivers. To the east lies Mount Hymettus, to the north Mount Pentelicus. The Acropolis was just south of the centre of this walled area. The Agora, the commercial and social centre of the city, was about 400 meters north of the Acropolis, in what is now the Monastiraki district. The hill of the Pnyx, where the Athenian Assembly met, lay at the western end of the city.

One of the most important religious sites in Athens was the Temple of Athena, known today as the Parthenon, which stood atop the Acropolis, where its evocative ruins still stand. Two other major religious sites, the Temple of Hephaestus (which is still largely intact) and the Temple of Olympian Zeus or Olympeion also lay within the city walls.

The accession of Greece into the European Union in 1981 brought a flood of new investment to the city. The city of Athens and the Greek government, aided by European Union funds, undertook major infrastructure projects such as the new Athens Airport and a new metro system. Finally, Athens organised the Olympic Games in 2004.



Badges and Security

VIP guests, ATRS Directors, delegates, students, guests, spouse guests and members of the press are requested to wear their conference badges at all times. Security staff will not allow delegates access to any of the conference areas without appropriate badge. A coloured badge system will operate as follows:

- **Blue - ATRS 2008 Organizing Committee**
Access to all events
- **Azure - ATRS Directors**
Access to all events
- **Red - VIP**
Access to all events
- **Violet - Delegates**
Access to all events
- **Green - Students**
Access to all events except Gala Dinner
- **Orange - Sponsors**
Access to all events
- **Yellow - Press**
Access to all events
- **Pink - Spouse**
Access to all social events
- **Grey - Guest**
Access to all events

Registration and information Desk

The ATRS Registration and information Desk is located at Sofitel Athens Airport Hotel. Representatives of the ATRS 2008 Organizing Committee will be able to assist you with any further information about the conference. For opening times please see the Conference Program.

Internet

Wifi provided with the purchase of an access card from the reception of Sofitel Athens Airport Hotel (10 €/ 3 hours connection time).

Contact Numbers

- **Dr Kostas IATROU**
Chairperson of the ATRS 2008 Organizing Committee
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- **Mr Konstantinos POLYCHRONIADIS**
Chief Administrative Officer of ATRS 2008
+306972198779

Delegate Information

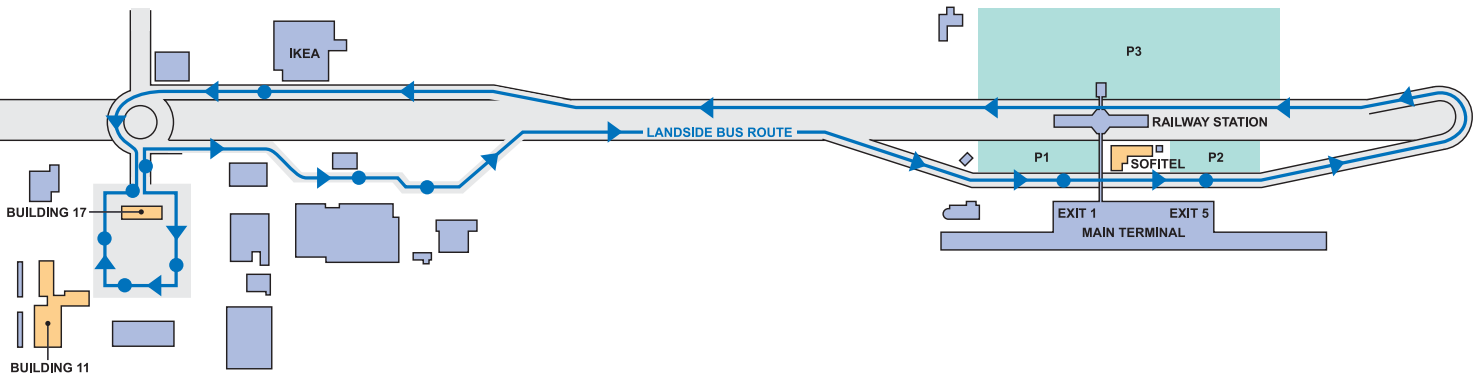
Instructions for Presenters

- **Language**
The official language for sessions will be English and there will be no interpreting services.
- **Registration Desk for presenters**
Please visit the info for presenters in Building 11, Athens International Airport before going to the session room.
- **Session schedule**
There has been some last minute paper shuffling between sessions because of cancellations. Please make sure to check the conference website or a message board at the registration desk for the most up-to-date session schedule for the time and place of your presentation.
- **Presentations previews**
Please come to the designated session room to conduct previews at the break (coffee or lunch) before your session. Staff will be present at the venue, so please ask them for instructions. Please come back to the session room about 5 minutes prior to the beginning of your session.
- **Session and presentation time**
All sessions last 90 minutes. If 4 presentations are scheduled in the session, each should last between 15 and 18 minutes. If 5 presentations are scheduled in the session, each should last between 12 and 15 minutes.
- **Brief Bio**
Please prepare a brief bio of about 5 to 10 lines to give to your session chair.
- **Presentation materials**
Please use Microsoft Power Point.
- **Presentation equipment**
Only data projector will be provided. Equipment will not be provided for OHPs, slides or other formats.

Instructions for Session Chairs

- **Before the session starts**
Chairpersons are requested to come to the Registration Desk for Chairpersons in Building 11, Athens International Airport at the break (coffee or lunch) prior the session to confirm their presence.
Chairpersons should arrive at their session room 15 minutes prior to the start of the session in order to assign the presentation time allocated to each speaker. The standard time assigned to each presenting author is as follows excluding the time for discussion.
 - If 4 presentations are to be made 15-18 minutes each
 - If 5 presentations are to be made 12-15 minutes eachIn case a presenting author is absent, the time assigned to his/her presentation may be reassigned to other presentations in the session.
- **During the session**
 - At the beginning of the session, please mention the sequence of papers.
 - Please introduce each presenter and the paper title briefly.
 - Please give warnings of 5 minutes and 1 minute to the speakers. If someone spends too much time beyond his/her allocation, the chairperson must cut him/her off, to be fair to other speakers and to leave time for audience to ask questions.
 - Chairpersons are encouraged to stimulate discussion from the floor and participate themselves as needed in asking questions.

ATHENS INTERNATIONAL AIRPORT MAP



FLOOR PLANS SOFITEL



GROUND FLOOR



BASEMENT 2



ATRS

Air Transport Research Society

12th World Conference

6-10 July 2008 • Athens

Hosting Organization:

Co-hosting Institution:

University of the Aegean



Hellenic Aviation Society



Gold Sponsors:



EMM. A. GYZIS & PARTNERS



Official Carrier:



Sponsors:

SOFITEL ATHENS AIRPORT



REMOVE BEFORE FLIGHT

Media Sponsor:



2008 ATRS Conference Final Programme

Chairing Rule: If the Chair-person does not show up on time, the first speaker replaces the chair-person

Sunday 6 July 2008

09:30-11:00 ATRS Airport Benchmarking Task Force Meeting sponsored by Sofitel Athens Airport
Sofitel Athens Airport (Serius Meeting Room)
Task Force members only

11:00-13:00 ATRS Networking/Executive Committee Meeting sponsored by Sofitel Athens Airport
Sofitel Athens Airport (Serius Meeting Room)
Networking/Executive Committee members only

19:00-21:00 Welcome Reception sponsored by AirBP
Athens Club
11 Eleftheriou Venizelou (also known as Panepistimiou) Avenue

Monday 7 July 2008

08:00-18:00 Conference registration sponsored by Sofitel Athens Airport
Sofitel Athens Airport (Basement 2)

10:00-12:00 Hellenic Aerospace Industry Technical Tour sponsored by Hellenic Aerospace Industry
Registration at Sofitel Athens Airport (Basement 2)
Departure from Sofitel Athens Airport at 09:00

10:00-12:00 Athens International Airport Technical Tour sponsored by Athens International Airport
Registration at Sofitel Athens Airport (Basement 2)
Departure from Sofitel Athens Airport at 09:00

14:00-14:15 2008 ATRS World Conference Opening and Welcoming Addresses
Dr Kostas Iatrou, Chairperson - ATRS 2008 Organizing Committee
Dr Andreas Papatheodorou, Chairperson - ATRS 2008 Executive Committee
Prof Tae Oum, President - ATRS
Prof Paris Tsartas, Head of the Department of Business Administration - University of the Aegean
Emmanuel Keramianakis, President - Hellenic Aviation Society

14:15-14:45 Keynote Address from Dr Taieb Cherif, Secretary General – ICAO

14:45-16:15 Air Transport Industry Executive Forum
Chair: Prof Paul Dempsey, Director - McGill University
Daniel Calleja, Director Air Transport - European Commission
Morgan Foulkes, Director of Policy - ACI Europe
Brian Pearce, Chief Economist - IATA
Jeffrey Goh, General Counsel & VP Corporate Services - Star Alliance
Chris Tarry - CTAIRA
Michael Vaianos, Ground Handling Director - Olympic Airlines
Antonis Simigdalas, President - European Regions Airline Association

16:15-16:45 Coffee break sponsored by AirBP

16:45-17:15 Report on the ATRS Global Airport Benchmarking Project, 2008

Prof Tae Oum, President - ATRS

17:15-18:30 The Airport Executive Forum on Operational Efficiency

Industry Executives:

Ms. Anne McGinley, Director - Airports Council International (ACI)

Mr. Ioannis Metsovitis, Director Operation Unit Aviation - Athens International Airport

Excellence Award Winning Airports Delegates:

Mr. Mario Diaz, Deputy General Manager - Hartsfield-Jackson Atlanta International Airport

Ms. Susanne Frank, Director and Head of Passenger Relations - Copenhagen Airports

Mr. Nic Nilsen, Managing Director - Oslo International Airport

20:00-00:30 Gala Dinner and Airport Performance Excellence Awards Ceremony sponsored by Emm. A. Gyzis & Partners Law Offices

Plaza Resort Hotel

Departure from Sofitel Athens Airport at 19:00

Departure from Plaza Resort Hotel at 00:30 to Sofitel Athens Airport and Novotel Athens

Tuesday 8 July, 2008

Concurrent Session I 9:00 - 10:30

I-A Air Travel Demand I

Room: BLD 17- Room 1.25.2

paper number	Chair: Bill Swan, Airline Planning Group, USA
21	Klophaus Richard The impact of increasing kerosene prices on air travel demand: Modelling a cause – and-effect chain
27	Pappas Nikolaos V. The Influence of Terrorism on Travelling and Destination Selection
192	Ryley Tim, Davison Lisa Air Travel Preferences by Population segment: Results from a United Kingdom Household survey
340	Wen Chieh-Hua, Lai Shan-Ching A Latent Class Approach to Incorporating Service Quality Attributes and Benefits into Modelling of Airline Choice

I-B Environmental Issues I - Emission Charges and Trading

Room: BLD 11- Alexandros

paper number	Chair: Sveinn Gudmundsson, Toulouse Business School, France
285	Paul Linda, Lijesen Mark Unilateral emission trading and competition between US and EU carriers
244	Anger Annela Including Aviation in the EU ETS: Much ado about nothing?
298	Tarradellas Joan, Salas Antonio Salamero, Costa Carme Martinez A real option-based model to properly value aircraft purchase rights in view of the coming EU legislation on aircraft CO2 emission levels
70	Scheelhaase Janina Local Emission Charges – A NEW ECONOMIC Instrument at German Airports

- 6 Hofer Christian, Dresner Martin E., Windle Robert J.
The Environmental Effects of Airline Carbon Emissions Taxation in the U.S.

I-C Low Cost Airlines - Business Models I

Room: BLD 11- El. Venizelos

- paper number **Chair: Martin Dresner: University of Maryland, USA**
- 338 Mason Keith, Morrison William
So just what makes a successful Low Cost Airline? Results of an updated business model analysis tool
Grimme Wolfgang
- 89 The Evolution of Low Cost Carrier Business Models – the Conundrum of Connecting Flights and Interlining finally solved?
Edwards Jane
- 32 What is a low cost airline? Defining carrier business models
Palaire Stefano, Redondi Renato, Malighetti Paolo
- 106 Do Ryanair's fares change over time? An empirical analysis on the 2006-2007 flights
Gross Sven, Schroeder Alexander
- 239 Low cost business model on the long-haul - a promising market segment?

I-D Airport Economics I

Room: BLD 17 - Athina 1

- paper number **Chair: Anming Zhang: University of British Columbia, Canada**
- 111 Brueckner Jan K., Dender Kurt Van
Atomistic Congestion Tolls at Concentrated Airports? Seeking a Unified View in the Internalization Debate
Betancor Ofelia, Jiménez Juan Luis, Socorro M. Pilar
- 50 The costs of the no differentiation: an application to Gran Canaria Airport pricing policy
Fröhlich Karsten, Niemeier Hans-Martin
- 194 The importance of spatial economics for assessing airport competition
Zhang Yimin
- 145 Scheduling and cost of delay in a Hub-Spoke network
Brochado Ana, Marques Rui Cunha
- 231 A European Perspective of Airports' Abuse of Dominant Position

I-E Air Traffic Control I

Room: BLD 17- Athina 2

- paper number **Chair: Lida Mantzavinou, Air TransportNews, Greece**
- 320 Wong Jinn-Tsai, Shiou Tian-haw, Huang Shih-Hsuan
Aircraft Trajectory Analysis for Flight Arrival Control
Fortes João Luiz de Castro, Correia Anderson Ribeiro
- 85 Analysis on Air Traffic Controller's Capacity for Separation Variation
Gulding John M., Post Joe
- 137 Modernizing Traffic Flow Simulation Models to Assess FAA NextGen Investment
Churchill Andrew, Lovell David, Ball Michael
- 237 Evaluation of a Dynamic, Fast-Response Model for Airspace Capacity Windfalls
Rakas Jasenka, Uang Grace
- 278 Proactive, Reactive, and Interactive Risk Assessment and Management of Data Link System Implementation in Air Route Traffic Control Centers

I-F Airline Operation

Room: BLD 11-Seferis

paper number	Chair: Yeong-Heok Lee, Korea Aerospace University, Korea
91	Flouris Triant Rationalizing aircraft performance modelling in airline fleet planning decisions
151	Bruce Peter J., The importance of decision considerations in airline operational decision-making
157	Pavlović Danica Sensitive analysis of airline schedule optimization (ASO) advanced model
136	Chen Xing Assessment of System Constraints for Producing Constrained Feasible Schedules

Concurrent Sessions II 11:00 - 12:30

II-A Air Travel Demand II

Room: BLD 17- Room 1.25.2

paper number	Chair: David Chin, FAA, USA
5	Wittmer Andreas, Laesser Christian The perception of time in Air transport - what level of delay is accepted by air travellers?
75	Chang Chiu-Hua, Bond Steve, Cheung Chak The Study of the Routes Characteristics in the Taiwanese Market
221	Seetaram Neelu Modelling demand for air travel and tourism to Australia using the dynamic panel data technique
296	Lee Seung Chang The empirical study on airline passenger's trust and commitment through the satisfaction with service recovery

II-B Environmental Issues II - Emission Assessment and Policy

Room: BLD 11- Alexandros

paper number	Chair: Triant Flouris, The City University of New York: York college and Daniel Webster College
82	Forsyth Peter International Aviation and Climate Change Policies- Evaluating the Case for Exemption
37	Knorr Andreas, Eisenkopf Alexander Voluntary carbon offsets – Indulgences or effective mitigation of air transport's climate effects?
143	Yin Shiaung- Lung, Wang Ming-Te, Yeh Wen-Chien Local air quality assessment and improvement of CKS airport
283	Kushta Jonilda, Solomos Stavros, Spyrou Chris, Astitha Marina A modeling system for describing mineral dust and sea salt cycles in the atmosphere
217	Miyoshi Chikage, Keith Mason Analysis of the carbon dioxide emissions level in the North Atlantic air transport market

II-C Low Cost Airlines - Business Models II

Room: BLD 11- El. Venizelos

paper number	Chair: Nigel Dennis, University of Westminster, UK
169	Devic Dejan The Route Less Traveled ('No-frills' Model Viability in SEE)

- 326 Albers Sascha, Koch Benjamin, Heuermann Caroline
International market entry strategies of EU and Asia-Pacific low fare airlines
- 94 Srisaeng Panarat, Bil Cees, Tein Margaret
Demand Model for Low-Cost Airlines
- 335 Zenelis Petros, Papatheodorou Andreas
Low Cost Carriers' penetration. A comparative case study of Greece & Spain
- 274 Sismanidou Athina, Palacios Miguel, Javier Tafur
Challenges faced by European low cost carriers in their market growth strategies and emerging revenue growth formulas: evolution after the revolution

II-D Airport Performance
Room: BLD 17 - Athina 1

- paper number **Chair: Tae H. Oum, Air Transport Research Society**
- 23 Vogel Hans-Arthur, Anne Graham
Airport valuation: an alternative driver-based approach
- 56 Lyon David Keith
The Commercial Performance of New Zealand Airport Companies
- 130 Neukermans Ir. Herman, Desart Ing. Bruno, Ferrara Giancarlo
How to enhance the quality of airport benchmarking? A proposal to improve information sharing and standardisation
- 92 Hong Seock-Jin, Kim Tae-Bok
A Study on Competitiveness of Incheon International Airport Focusing on Measuring the Service Quality of Passenger Terminal
- 321 Tovar Beatriz
Technical efficiency and productivity changes for Spanish airport: a parametric distance functions approach

II-E Air Traffic Control II
Room: BLD 17- Athina 2

- paper number **Chair: Paul Hooper, Department of Transport, Abu Dhabi, UAE**
- 182 Law CK
A Preliminary Investigation of the Airspace Congestion in the Pearl River Delta and Policy Considerations
- 258 Yenson Sarah, Rakas Jasenka
Impacts of a mixed media air traffic control communication environment on aviation efficiency
- 163 Kundler Jörg
Logistics Process Modeling and Supply Chain Management at Air Traffic Control Service Provider
- 113 Groppe Matthias
Cognitive analysis of human-human interactions during collaborative decision making in flight operation situations
- 83 Fakh Ing. Hitham
Analyzing the Impact of the European Gates Concept on En-route Congestion

II-F Airline Management I
Room: BLD 11-Seferis

- paper number **Chair: Xavier Fageda, University of Barcelona, Spain**
- 318 Gudmundsson Sveinn Vidar, Gritta Richard
Bankruptcy Prediction for Airlines: Combining and Comparing Partial Least Squares and Neural Networks
- 2 Pitfield D.E., Caves R.E., Duddus M.A.
The trade-off for airlines between aircraft size and frequency: An empirical investigation

- 96 Harasani Wail I.
Evaluation and Selection of a Fleet of Aircraft Located in Madniah, Saudi Arabia
Syrigos Evangelos, Kirgidou Lida
- 79 Explaining the Relationship between Airline Companies' Organizational Resources and Financial Performance: the concept of Strategic Entrepreneurship
Konukcu Selda, Tulunay Yurdanur, Ergin Ahmet
- 306 Application of risk management process in Turkish aviation industry

Concurrent Session III 14:30 - 16:00

III- A Rail and Air Competition

Room: BLD 17- Room 1.25.2

- paper number **Chair: Nicole Adler, Hebrew University of Jerusalem, Israel**
- 41 Herkenhoener Simon, Vespermann Dipl.-Ök. Jan, Wald Andreas
Intermodal transportation: threat or opportunity for airlines? – A scenario-based analysis
- 218 Behrens Christiaan, Pels Eric
Intermodal competition in the London-Paris passenger market: high-speed rail and air transport
- 114 Hihara Katsuya, Ohashi Hiroshi, Yamaguchi Katsuhiko
Competitive analysis of airfare in Japan: competition among air carriers and rivalry with the high-speed railway system
- 84 Chang Yu-Hern, Su Chao-Hsu
Impact of high speed rail on air transport in Taiwan

III-B Environmental Issues III - Noise, Sustainability

Room: BLD 11- Alexandros

- paper number **Chair: Dieter Wilken, German Aerospace Center, Germany**
- 38 Arndt Andreas, Knorr Andreas, Lueg Barbara
Airport noise abatement as a cross-border coordination problem: the case of Zurich airport
- 235 Lu Cherie, Shon Joel Zhengyi
The Study of Global Airport Noise Charge Schemes
- 226 Thanos Sotirios, Wardman Mark, Bristow Abigail
Stated choice valuation of aircraft noise: the closing and opening of airports in Athens
- 88 R Morimoto V Agouridas
Supporting aircraft manufacturers to systematically formulate and implement sustainable development strategies

III-C Low Cost Airlines - Strategies and Competition

Room: BLD 11- El. Venizelos

- paper number **Chair: Keith Mason, Cranfield University, UK**
- 132 Gaggero Alberto A., Piga Claudio A.
Pricing and competition on the UK-Irish aviation market: the case of Ryanair vs. Aer Lingus
- 297 Chiou Yu-Chiun, Chen Yen-Heng, Shon Joel Zhengyi
Examining Low Cost Carrier Service Quality in China Market
- 122 Choi Hew Jong
Formation of South Korea's Low Cost Carriers and Development Strategies
- 337 Correia Antónia, Pimpão Adriano
Strategy and Competitive Advantages of Low Cost Airlines: The case of the Algarve

- 108 Thanasupsin Kittichai, Chaichana Suraphan
Factors influence mode selections of low cost carriers and a full service airline in Thailand

III-D Airport Slot

Room: BLD 17 - Athina 1

- paper number **Chair: Peter Forysth: Monash University, Australia**
- 68 Fukui Hideki,
An empirical analysis of airport slot trading in the U.S.
- 44 Czerny Achim I., Forsyth Peter
Airport regulation, lumpy investments and slot limits
- 87 Madas Michael A., Zografos Konstantinos G.
A Policy Implementation Roadmap to Airport Slot Allocation
- 138 Kostis Chrysostomos, Papatheodorou Andreas, Parthenis Spyridon
Are community airports mature enough for the introduction of market mechanisms concerning the airport slot allocation? A survey in the Greek industry

III-E Aviation Security

Room: BLD 17- Athina 2

- paper number **Chair: Eleftherios Katarelos, University of Aegean, Greece**
- 225 Dillman Brian, Hendricks Renee
Biometric access to training devices as a security protocol in flight training
- 48 Matos Jeffrey, Milde Karl, Beneigh Theodore
Systems and methods for thwarting aircraft hijacking
- 63 Yoo Kwang Eui, Choi YounChul, Kim B.J.
A Study on Performance of Passenger Security Screening Task
- 90 Buzdugan Maria, Flouris Triant
The feasibility uniform regulation of air cargo security at the international level

III-F Airline Management II

Room: BLD 11-Seferis

- paper number **Chair: Dan Petree, Embry-Riddle Aeronautical University, USA**
- 141 Davis Glenda, Zakrzewski Dorothea
Linking aircraft lease-purchase decision making to corporate performance: a study of regional aviation in Australia
- 310 Yaansah Robert
Commercial Airlines Failure Phenomenon: An Agency Theory -Costly Contracting Analysis and Empirical Evidence
- 273 Sismanidou Athina, Palacios Miguel, Javier Tafur
The failure of global distribution systems new entrants (GNEs) to offer a true alternative to traditional GDSs: myth, reality and opportunity
- 355 Malagas Kostas, Nikitas Nikitakos
Introduction of e-services in an airline: change management issues
- 305 Gotsias Apostolos
Airline fuel consumption management and conservation

Concurrent Sessions IV 16:30 - 18:00

IV-A Airport Choice - Demand Analysis

Room: BLD 17- Room 1.25.2

paper number	Chair: Hiroshi Ohashi, University of Tokyo, Japan
43	Gelhausen Marc Ch. Airport choice in a constraint world: discrete choice models and capacity constraints
308	Bilotkach Volodymyr, Gorodnichenko Yuriy, Talavera Oleksandr A Natural Experiment in the San Francisco Bay Area
299	Psaraki V., Relocation of activities and travel behaviour in airport access
209	Wardman Mark The potential for helicopter access to major international airports
105	Ishikura Tomoki, Tansei Kiyoteru, Tsuchiya Kazuyuki Airline's Airport Choice and Passenger's Route Choice in Multiple Airports Region

IV-B Airport Operation I

Room: BLD 11- Alexandros

paper number	Chair: Kang Bin Lee, Sangji University, Korea
202	Evans Antony D. Rapid modelling of airport delay applying steady state and cumulative diagram approaches
207	Blank Christian, Gertz Carsten, Menze Axel, Tina Wagner Forecasting the demand for night movements at airports considering tightened night flight restrictions
125	Liou James J.H., Lin Shih-Ping, Hsiao Wei Airport Service Quality Improvement Using Dominance Rough Set Approach
30	Saffarzadeh Mahmoud Scheduling Method in Runway Operation Management for Airside Capacity Enhancement
167	Vlachou Kleoniki, Tripodis Yorghos, Lovell David J. A comparison of different approaches to estimate unimpeded flight times

IV-C Airline Economics

Room: BLD 11- El. Venizelos

paper number	Chair: Yimin Zhang, CEIBS, China
42	McCaughy Nathalie, Czerny Achim, Forsyth Peter J Frequent-flier Programs, Taxation and Airline Profits
195	Toru Tuba How do sustained changes in cost of airlines influence air traffic
293	Raghavan Sunder, Tacker Thomas Empirical Application of Core Theory to the Airline Industry
134	Adler Nicole Codesharing: a mix of cooperative and competitive game theory
333	Fageda Xavier, Fernández-Villadangos Laura Triggering competition in the Spanish airline market: the role of airport capacity and low-cost carriers

IV-D Airport Economics II

Room: BLD 17 - Athina 1

- | | |
|-----------------|--|
| paper
number | Chair: Eric Pels, Free University of Amsterdam, The Netherlands |
| 352 | Fu Xiaowen
Competition and Social Welfare -- Effects of Airport Concession Revenue Sharing
Goetsch Bjoern, Ruehle Jens, Albers Sascha |
| 328 | The relationship between airlines and airports: An analysis of dimensions and success factors to improve cooperation and efficiency
Barbot Cristina |
| 14 | Airport and airlines competition: incentives for vertical collusion
Hancioglu Bülent |
| 346 | The Market power of Airports, Regulatory Issues and Competition between Airports
Hanaoka Shinya, Inamura Hajime, Zhang Anming, Saraswati Batari |
| 256 | Evaluation of the Interaction between Low-Cost Carriers' Performance and Airports' Performance |

IV-E Air Cargo and Logistics

Room: BLD 17- Athina 2

- | | |
|-----------------|--|
| paper
number | Chair: Joel Shon: Tainan University of Technology, Taiwan |
| 286 | Meincke Peter A., Reibert Frederic
Analysis Method of Air Freight Potential of an Industrial Region – Exemplified by the Case of a Selected German Region
Kim Woong-Yi, Kang Kyung-Woo |
| 116 | A Study on the Logistics costs of Air Freight Forwarder in Korea
Onghena Evy |
| 131 | The integrator market: actors and their strategies
Ha Hun-Koo, Choi Young Yun, Tae Seung Kim |
| 206 | The role of the Air freight transport industry in the Korean national economy: An input-output analysis |

IV-F Airline Pricing and Revenue Management

Room: BLD 11-Seferis

- | | |
|-----------------|---|
| paper
number | Chair: Hannu Seristo, Helsinki School of Economics, Finland |
| 186 | Becker Bjoern, Wald Andreas
Critical Success Factors for Air Cargo Revenue Management
Walczak Darius |
| 240 | Some New Results for the two-Competitor Game
Dimitriou Dimitrios J., |
| 261 | An aircraft seat allocation modelling framework focused on early reservations: an approach for remote tourist destinations
Button Kenneth, Costa Álvaro, Cruz Carlos Costa Fabiene |
| 234 | Analysis of airlines "Temporal -fares-offered-curve" |

Book Presentation Session 18:15-19:45

Chair: Emmanuel Keramianakis, Hellenic Aviation Society, Greece

Room: BLD 17- Athina

Iatrou, K. Oretti, M., (2007) Airline Choices for the Future: From Alliances to Mergers, Aldershot: Ashgate
Graham, A., Forsyth, P., Papatheodorou, A., (2008) Aviation and Tourism: Implications for Leisure Travel, Aldershot: Ashgate

- Vasigh B., Tacker, T., Fleming, K., (2007) Introduction to Air Transport Economics - From Theory to Applications, Aldershot: Ashgate
 Flouris, T., Lock, D., (2008) Aviation Project Management, Aldershot: Ashgate
 Raghavan, S., (2007) Case Studies in Corporate Finance with Application to Aviation and Aerospace Industries, New York: Linus Publications
 Czerny A. I., Forsyth, P., Gillen, D., (2008) Airport Slots International Experiences and Options for Reform, Aldershot: Ashgate
 Forsyth, P., Gillen, D., Niemeir H-M., (2008) German Aviation Research Seminar Series No. 4, Aldershot: Ashgate
 Janic, M., (2007) The Sustainability of Air Transportation: A Quantitative Analysis and Assessment, Aldershot: Ashgate
 Gelhausen, M. C., (2007) A Generalized Neural Logit-Model to Forecast Airport and Access Mode Choice, German Aerospace Center (DLR)
 Groß, S., Schroeder, A., (2007) Handbook of Low Cost Airlines Strategies, Business Processes and Market Environment, Erich Schmidt Verlag GmbH & Co.

Wednesday 9 July 2008

Concurrent Sessions V 9:00 - 10:30

V-A International Air Policy I

Room: BLD 17- Room 1.25.2

- | | |
|-----------------|--|
| paper
number | Chair: Andreas Papatheodorou, University of Aegean, Greece
O'Connell John F. |
| 312 | The impact of the new Open Skies' agreement for traffic between the EU and the US market. A case study on the implications for British Airways |
| 322 | Zhang Lingxiang, Zheng Xingwu, Lu Wei
On the Effectiveness of China-US Bilateral Air Transport Agreement Based on the System Theory |
| 76 | Chang Chiu-Hua, Bond Steve, Cheung Chak
The Expectation of After 'Open Skies' Between Taiwan and China |
| 133 | Adamidis Takis
North Atlantic Blues |
| 216 | Futamura Mariko, Fujii Takamune
Deregulation and Passenger Flow: Does Deregulation Really Facilitate Foreign Travel? |

V-B Airport Operation II

Room: BLD 11- Alexandros

- | | |
|-----------------|---|
| paper
number | Chair: Pavlos Arvanitis, University of the Aegean, Greece
Psaraki V., Divaris Ch |
| 300 | Estimation of the runway capacity of the Athens International airport using analytical and simulation models |
| 12 | Janic Milan
Modelling the airport operation affected by the large-scale disruption |
| 119 | Desart Bruno, Gillingwater David, Janic Milan
The validity of the airport capacity/stability paradox as a precursor of delay |
| 161 | Bazso Zoltan, Stefanik Milan
Simulations of passenger flows in airport terminals with respect to changing environment of Central European airports |
| 152 | Matas Martin
Analytical Models of Air Passenger Processes and Movements at Airports |

V-C Airline Alliance and Mergers

Room: BLD 11- El. Venizelos

- | | |
|-----------------|---|
| paper
number | Chair: Kostas Iatrou, Hellenic Aviation Society, Greece |
| 67 | Vauhkonen Soile K., Seristö Hannu
A Geographical Approach to Alliance Networks in the Airline Industry |
| 77 | Wan Xiang, Zou Li, Dresner Martin
The Impact of International Airline Alliances on Airfares in Nonstop Hub-to-Hub Markets: An Analytical and Empirical Study |
| 342 | Zheng Xingwu, Feng Weiming
Research on the Choice to join in Airline Strategy Alliances |
| 341 | Huber Hans
Domestic code-sharing in the US: Does the Mutual Forebearance Theorem still prevail? |

V-D Airport Privatization

Room: BLD 17 - Athina 1

- | | |
|-----------------|---|
| paper
number | Chair: Bijan Vasigh - Embry-Riddle Aeronautical University, USA |
| 345 | Müller Jürgen, Ülkü Tolga, Živanović Jelena
Privatization, regulation and restructuring and effects on performance: A comparison between German and British airports |
| 140 | Zakrzewski Dorothea,
Assessing Airport Privatization through Stakeholder Eyes: a study on Sydney Airport |
| 205 | Kuyucak Ferhan, Dokmen Tuba, Kaya Ergun
Privatization to globalization: emerging trends in airport management – TAV airports case study |
| 241 | Franco Viviane Gil., Moser Rodrigo Flório
Airport privatisation in Brazil: how could it be? |
| 324 | Willis Paul, Kalligiannis Konstantinos
Identification of the potential benefits that may arise from the potential privatisation of the Greek airports |

V-E Airline Network Development

Room: BLD 17- Athina 2

- | | |
|-----------------|---|
| paper
number | Chair: Xiaowen Fu, The Hong Kong Polytechnic University |
| 128 | Cronrath Eva-Maria, Arndt Andreas
Does size matter? The importance of airports in the European and German air transport network |
| 115 | Yoshida Yuichiro
Spoke-and-wheel networks as an alternative to hub-and-spoke networks when the hub airport is facing a capacity constraint |
| 313 | Kita Hideyuki, Koike Atsushi
Strategic Action of Local Airport for Air Service Development |
| 213 | Wilken Dieter, Berster Peter
Demand generation and redistribution effects of new decentral intercontinental air services in Germany |
| 347 | Ivanova Plamena
Development of airports in Central and Eastern Europe: Entry and Exit: 1995-2007 |

V -F Airport Planning I

Room: BLD 11-Seferis

- | | |
|-----------------|---|
| paper
number | Chair: Christian Hofer, University of Arkansas, USA |
| 22 | Halpern Nigel
Marketing innovations: sources, capabilities and consequences at airports in Europe's peripheral areas |

- 139 Manataki Ioanna E., Zografos Konstantinos G
Development and application of a generic model for airport terminal performance analysis
- 164 Zass M.A. Stephan
Evolution of Airports: From air transport gateways to "Airport Cities"
- 250 Grant-Muller Susan, Arsenio Elisabete
Appraisal methodology for strategic airport planning and development: emerging issues and research challenges
- 109 Sabar Rohafiz
The Impact of Culture on Low Cost Airport Terminal (LCT)

Concurrent Sessions VI 11:00 - 12:30

VI-A International Air Policy II

Room: BLD 17- Room 1.25.2

- paper number **Chair: Ki-Chan Park, Inha University, Korea**
- 344 Müller Jürgen, Schulz Stefan
Restructuring of the European Ground Handling Market after the EU Market Liberalization
- 277 Charokopos Michael
Creating a European Common Aviation Area: A question of interests and identities
- 219 Pels Eric
Network developments and the open atlantic aviation area
- 351 Warnock-Smith David, Morrell Peter
An empirical study of the socio-economic effects of supporting flag carriers: The case of the Caribbean Community (Caricom)
- 208 Rezaei Ali
An approach to adaptation of small markets to Open Skies Agreement: An empirical analysis based on multiple criteria decision making (MCDM)

VI-B Airport Operation III

Room: BLD 11- Alexandros

- paper number **Chair: Nikitas Nikitakos, University of Aegean, Greece**
- 272 Todesco Fabiana, Müller Carlos
Gate assignment and reassignment at Sao Paulo/Guarulhos International Airport
- 196 Stolletz Raik
Check-In Staffing: Categorization and Modelling
- 229 Georgia I. Protogerou, George Psomiadis, and Nektarios Psycharis
A Methodological Framework for assessing airport Information Technology (IT) projects
- 290 Magri Jr. Adival, Rabbani Fabio Faizi Rahnemay
A new los standard for check-in areas served by self-service kiosks

VI-C Airline Strategy and Business Models

Room: BLD 11- El. Venizelos

- paper number **Chair: Crisina Barbot, CETE/ Faculty of Economics of Porto, Portugal**
- 117 Douglas Ian
Options for survival: business models for long haul
- 101 Bieger Thomas, Wittmer Andreas, Riklin Thomas, Engeler Isabelle
Perceived Customer Needs in the Airline Industry: Differences between Business Models

- 247 Wen Chieh-Hua, Yeh Wen-Ya, Chen Tan-Ni
An Application of Correspondence Analysis and Multidimensional Scaling in the Positioning of International Air Carriers
- 69 Kucuk Yilmaz Ayse
The Corporate Sustainability Framework Model for Airline Business Management: The Enterprise Risk Management based approach
- 71 Rothkopf Maximilian, Wald Andreas
The role of innovation in the increasingly commoditized airline industry 0- insights from case studies

VI-D Airport Ownership and Regulation

Room: BLD 17 - Athina 1

- paper number **Chair: Ray Kaduck, Canadian Transportation Agency, Canada**
- 315 Forsyth Peter, Niemeier Hans-Martin
Breaking Up BAA?
- 98 Eichinger Andreas
Efficiency and Regulation of Brazilian Airports
- 317 Reinhold Annika, Niemeier Hans-Martin, Kamp Vanessa
The Pro and Cons of Benchmark Regulation for Airports
- 282 Yokomi Muneki, Akai Nobuo
Effects on the Performance of Airport Terminal Building Companies in Japan
- 316 Wolf Hartmut, Forsyth Peter, Niemeier Hans-Martin
Airport Alliances and International Multi Airport companies- Will there be a few dominant airport operators in the long run?

VI-E Airline Hub Development I

Room: BLD 17- Athina 2

- paper number **Chair: Yuichiro Yosida, National Graduate Institute for Policy Studies, Japan**
- 103 Paleari Stefano, Redondi Renato, Malighetti Paolo
A comparative study of airport connectivity in China, Europe and US: which network provides the best service to passengers?
- 146 Kawasaki Akio, Lin Ming Hsin
Where to enter in Hub-Spoke networks?
- 251 Budde Axel, Burghouwt Guillaume, Wit Jaap de
Borrowing from behavioural science: a novel method for the analysis of indirect temporal connectivity
- 353 Lieshout Rogier
Estimating the sustainability of hubs

VI-F Airport Planning II

Room: BLD 11-Seferis

- paper number **Chair: Yonghwa Park, Inha University, Korea**
- 233 Costa Álvaro, Nascimento Álvaro, Cruz Carlos
The value of flexibility in airport planning: A real options analysis
- 39 Beria Paolo, Scholz Aaron
Strategies for infrastructural development of airports. A comparison between Milan Malpensa and Berlin Brandenburg International.
- 184 Kwakkel Jan H., Walker Warren E., Wijnen Roland A. A
The Treatment of Uncertainty in Airport Strategic Planning: The Case of Schiphol Airport's Long-Term Vision
- 270 Moser Rodrigo Flório, Correia Anderson Ribeiro
Twenty years or airport simulation in Brazil: lessons from the past and plans for the future

- 214 Wilken Dieter, Berster Peter
Quo Vadis business aviation in Germany?

Concurrent Sessions VII 14:30 - 16:00

VII-A Air Transport Development and Prospects I

Room: BLD 17- Room 1.25.2

- paper number **Chair: Hun-Koo Ha, Inha University, Korea**
- 7 Bahramian Hamidreza
Future Challenges for Air Transportation System in Iran
- 26 Vespermann Dipl.-Ök. Jan, Wald Andreas
Aviation growth in the Middle East – Impacts on incumbent players and potential strategic reactions
Jarach David
- 60 Future outcomes for the European airline industry. An empirical analysis through interviews with European airline senior executives
Tschechne Nicolas
- 80 A scenario-based approach towards deriving future cabin drivers along future airline business models 2015
- “Which role does the cabin play along the future airline segments business models” –

VII- B Aviation in China

Room: BLD 11- Alexandros

- paper number **Chair: Cheung-Kwok Law - The Chinese University of Hong Kong**
- 175 Gong Qiang, Fan Xingli
Market Structure of Chinese Airline Industry
- 174 Zhong Shan, Wang Zhiqing, Ren Chaoying
The economic impact of Beijing Capital international airport
- 73 Qi Xianfeng, Hu Huaqing
The improvement of airport performance evaluation system in China
- 35 Yuen Andrew, Zhang Anming
Competition and Policy Changes on Chinese Airport Productivity: An Empirical Investigation
- 176 Mao Junjie
Air vs Rail Competition towards the Beijing-Shanghai High-speed Railway Project in China

VII-C Airline Performance Measurement

Room: BLD 11- El. Venizelos

- paper number **Chair: Dawna Rhoades - Embry-Riddle Aeronautical University, USA**
- 62 Hooper Paul
Benchmarking Sector Performance for Light-Handed Regulation in an Emerging Aviation Market
Inamura Hajime
- 348 Assessing the Efficiency of Southeast Asia Airline Companies: An Application of Data Envelopment Analysis
Antonio Henriques de Araujo Junior, Artur da Rocha, Isabel Cristina dos Santos
- 17 Relative efficiency and productivity of international airlines
Jovanović Radosav
- 51 The cost of passenger delays to airlines: an assessment of the impact of the regulation (EC) 261/2004
Waguespack Blaise P., Rhoades Dawna
- 211 Airline Delays and their Relationship to and Impact on Airline Service Quality

VII-D Safety Management I

Room: BLD 17 - Athina 1

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57	Lee Yeong Heok, Jeon Jeong-Dae, Lee Gang-Hyeon A Study on How to improve Communication Effectiveness between the Military Air Traffic Controllers
99	Hsu Yueh-Ling, Li Wen-Chin and Chen Kuang-Wei Structuring Critical Success Factors of Airline Safety Management System Using A Hybrid Model
59	Kim Maeng-Sern, A Study on Institutional Changes of Aviation Safety Management System
325	Katarellos Eleftherios D. The safety cost and its fair distribution to air transport industry's stakeholders

VII-E Airline Hub Development II

Room: BLD 17- Athina 2

paper number	Chair: Achim Czerny, Otto Beisheim School of Management, Germany
121	Hidenobu Matsumoto, Jan Veldhuis, Jaap de Wit, Guillaume Burghouwt Network Performance, Hub Connectivity Potential, and Competitive Position of Primary Airports in Asia/Pacific Region
287	Burghouwt Guillaume, <i>Veldhuis Jan</i> Competition between European airline hubs
160	Bel Germà, Fageda Xavier Intercontinental flights from European airports: towards Hub concentration or not?
172	Park Yonghwa, Kim Joong Yup Connectivity analysis of air cargo transshipment at hub airport
203	Bolgeri Pablo, Dray Lynnette, Evans Antony Reasons for the emergence of multi-airport systems

VII-F Aviation Law and Legal Issues

Room: BLD 11-Seferis

paper number	Chair: Apostolos Gotsias, University of the Aegean, Greece
52	Kostopoulos Kostis Commitment decisions: the new kind of settlement in competition law. Implementation in air transport
81	Hüschelrath Kai Designing antitrust remedies for airline mergers
149	Artur Antonio da Rocha, Antonio Henriques de Araujo Junior Civil responsibility in air transport: a perspective after Rome's 1952 International Treaty update
156	Lee Kang Bin A comparative study on national legislation relating to the liability of the carrier in respect to the carriage by air

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VIII-A Air Transport Development and Prospects II

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350	Carvalho Tassio Supply and Demand Trends for Air Travel in the United States

- 166 Marazzo Marcial, Scherre Rafael, Pacheco Ricardo
Air Transportation Demand and Economic Growth in Brazil A Time Series Analysis
- 97 Muros Anguita Juan Gerardo
"iAvion" Index as new metric to measure the preparedness degree of Air Transport Sector of Networked world
- 148 Lainos John S.,
The causes of the failure of the Greek State efforts , to introduce into the Olympic Airways internal environment, the proper changes towards its recapitalization
- 1 Ogunkoya Adeniyi
The impact of deregulation in Nigeria Air transport industry: An Overview

VIII-B Air Transport and Economy

Room: BLD 11- Alexandros

- paper number **Chair: John Metzner, Dubai Aerospace Enterprise University, UAE**
- 173 Marques Antonio Carlos Ferreira, Galves Maria Lucia
Airport City : An evolutionary approach
- 354 Dimitriou Dimitrios, Daley Ben, Thomas Callum
Aviation and environment at tourism destinations: issues of sustainable development
- 223 Malina Robert, Schwab Michael, Wollersheim Christoph
Using a contingent valuation approach for evaluating benefits of airports for regional economies
- 159 Liasidou Sotiroula, Coles Tim, Shaw Gareth
Airline Developments, Tourism Policy and Innovation in Cyprus: an uneasy relationship
- 189 Ehmer Hansjochen
The airport as a neighbor – Corporate Citizenship

VIII-C Aircraft Operation and Technology

Room: BLD 11- El. Venizelos

- paper number **Chair: Mehmet Fevzi Ünal, Istanbul Technical University, Turkey**
- 58 Şenturk Caner, Kavsaoglu Mehmet Şerif
Optimization of Aircraft Utilization by Reducing Scheduled Maintenance Downtown
- 284 Lekas Theodore, Kallos George, Kushta Jonilda
Dust storms and their impact on aero-engines
- 124 Sadiqov Ramiz, PashayevA., Samadov A.
Complex boundary integral equation method for modeling of aviation gas turbine cooled elements

VIII-D Safety Management II

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- paper number **Chair: Spyros Jancovich, Greece**
- 304 Herrera Jorge, Vasigh Bijan
Cluster Analysis: Aging Aircraft, Region of the World and Accidents
- 28 Chang Yu-Hern, Liao Meng-Yuan
The Effects of Aviation Safety Education on Airline Passenger's Cabin Safety Awareness
- 123 Cokorilo Olja,
Risk management implementation in aircraft accident cost analysis
- 54 Rogers Rodney O.
An experiment to measure simulator based airplane upset recovery training transfer: Preliminary results of phase two flight testing
- 183 Li Sui-Ling
Study on Association between airline's maintenance technician and flight-safety risk

VIII-E Regional Air Transport

Room: BLD 17- Athina 2

paper number	Chair: Blaise Waguespack , Embry-Riddle Aeronautical University, USA
110	Dennis Nigel Current Issues in regional airline operations
127	Lee Kang-Seok, Kim Woong-Yi Analysis of Regional Airline Route development in Korea
193	Davison Lisa, Ryley Tim, Snelgrove Michael A SWOT analysis of Cardiff International Airport
291	Arvanitis Pavlos, Papatheodorou Andreas Air Transport Spatio-Temporal Analysis: The case of Crete, Greece

VIII-F Airline Marketing and Management

Room: BLD 11-Seferis

paper number	Chair: Konstantinos Polychroniadis, University of the Agean, Greece
126	Badanik Benedikt, Stefanik Milan, Fakh Hitham On-board advertising: Airlines' way to "no-fare" model?
102	Chen Ching-Fu, Tseng Wen-Shiang Exploring Customer-based Airline Brand Equity – Evidence from Taiwan
327	Kalligiannis Konstantinos, Mason Keith Are airlines that are participating in the airline strategic alliances branding themselves consistently to their alliance brands?

Closing Plenary Session: 18:15 - 19:30

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