

*Draft ATRS Schedule: 1<sup>st</sup> July 2003*  
*(Subject to change)*

**The 2003 Air Transport Research Society World Conference**  
July 10-12, Toulouse, FRANCE

Organized by  
**Air Transport Research Society**  
A Special Interest Group of the WCTR Society  
[www.atrsworld.org](http://www.atrsworld.org)

Hosted by  
**Toulouse Business School**  
in association with  
**ENAC – The French Civil Aviation School**

Sponsored by

**AIRBUS**

## ***SCHEDULE OF EVENTS***

**Thursday, 10<sup>th</sup> July**

- 11:00-12:00 ATRS Airport Benchmarking Task Force Meeting;  
Director's Lounge, Toulouse Business School
- 12:00-14:00 ATRS Networking/Executive Committee Luncheon Meeting  
Place: **Le Grand Brasserie**
- 15:00-18:00 Technical Tour of Airbus hosted by Airbus  
(Bus leaves from Hotel Atria)
- 15:00-18:00 Conference Registration - Toulouse Business School main lobby  
(only 3 minutes walk from Hotel Atria)**
- 19:30-20:30 **Welcome to the European Aerospace Capital - Reception Toulouse  
City Hall, Hosted by the Mayor of Toulouse**

**Friday, July 11, 2003**

**07:45 – 8:25 Registration - Toulouse Business School main lobby**

**08:30 – 09:00 Conference Opening**

Conference Chair: Prof. Dr. Sveinn Vidar Gudmundsson  
President ATRS: Prof. Dr. Tae Hoon-Oum

### **Welcoming**

Director Groupe ESC-Toulouse: Mr. Hervé Passeron  
Director ENAC: Mr. Gérard Rozenknop

**09:00 – 10:45 Plenary Session: Future Scenarios for Commercial Aviation**

**Keynote Speaker:** **Mr. Olivier Andries**, SVP Marketing and Pricing Policies,  
AIRBUS

**Panel chair:** **Prof. Paul Clark**, EURESAS

**Panel speakers:** **Mrs. Le Thi Mai**, General Manager Infrastructure &  
Environment, AEA.

**Mr. Chuck Evans**, Director Airline Industry Analysis and  
Strategy, Bombardier

**Mr. Mario Diaz**, Deputy General Manager, Atlanta

International Airport  
**Mr. Eric Portejoie**, General Manager Propulsion Systems,  
SNECMA

10:40 – 11:00 Refreshments – Sponsored by Blagnac Airport  
11:00 – 12:30 Concurrent Sessions I  
12:30 – 14:00 Lunch – Sponsored by Capitolis  
14:30 – 16:00 Concurrent Sessions II  
16:00 – 16:30 Refreshments – Sponsored by Blagnac Airport  
16:30 – 18:00 Concurrent Sessions III

**19:00 Buses depart from Hotel Atria for the Airbus Conference dinner**

## **Saturday, July 12, 2003**

08:30 – 10:00	Concurrent Sessions IV
10:00 – 10:30	Refreshments – Sponsored by Blagnac Airport
10:30 – 12:00	Concurrent Sessions V
12:00 – 13:30	Lunch – Sponsored by Capitolis
14:00 – 15:30	Concurrent Sessions VI
15:30 – 16:00	Refreshments – Sponsored by Blagnac Airport
16:30 – 18:00	ATRS Global Airport Performance Benchmarking Report;

## **Closing Plenary Session**

Chair: **Prof. Sveinn Gudmundsson, 2003 ATRS Conference Chairman**

**ATRS Global Airport Benchmarking Team**, ATRS Global Airport Performance Benchmarking Report

**ATRS AWARD Presentation**

**Prof. Tae H. Oum**, President of the ATRS, ATRS Business Report and Plan

**Prof. M. Fevzi Unal**, 2004 ATRS Conference Chair-person, Invitation to ATRS 2004 Istanbul Conference (July 1-3, 2004)

**Prof. Hilde Meersman**, Chair-person, the WCTR International Scientific Committee, Invitation to the WCTR 2004 Istanbul Conference (July 4-9, 2004)

**Other Business**

**Farewell**

\*Details on the ATRS and its 2003 Conference are available at [www.atrsworld.org](http://www.atrsworld.org). The paper listed in the program are tentative in order to provide information on the types of papers to be presented at the conference. There may be some shifting of the papers between the sessions.

## Detailed list of events, speakers, and sessions

**Friday, July 11, 2003**

*07:45 – 8:25*      **Registration** - Toulouse Business School Main Lobby

*08:30 – 09:00*      **Conference Opening** – Toulouse Business School Theatre

Prof. Dr. Sveinn Vidar Gudmundsson, Conference Chair:  
Prof. Dr. Tae Hoon-Oum, President - ATRS:

**Welcoming Address:**

Mr. Hervé Passeron, Director Groupe ESC Toulouse  
Mr. Gérard Rozenknop, Director ENAC

*09:00 – 10:45*      **Plenary Session**

**Future Scenarios for Commercial Aviation**

Toulouse Business School Auditorium

**Keynote Speaker:**    **Mr. Olivier Andries**, SVP Marketing and Pricing Policies,  
AIRBUS

**Panel chair:**        **Prof. Paul Clark**, EURESAS

**Panel speakers:**    **Mrs. Le Thi Mai**, General Manager Infrastructure &  
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**Mr. Chuck Evans**, Director Airline Industry Analysis and  
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**Mr. Mario Diaz**, Deputy General Manager, Atlanta  
International Airport

**Mr. Eric Portejoie**, General Manager Propulsion Systems,  
SNECMA

*10:30 – 11:00* Refreshments – Sponsored by Blagnac Airport

## 11:00 – 12:30 Concurrent Sessions Series 1

### **Session 1A: Airport and Airline Passenger Services - Room 2**

**Chair:** *M. Fevzi Unal, Istanbul Technical University, Turkey*

1. Martin Lijesen, Netherlands Bureau for Economic Policy Analysis, The Netherlands “*Customer valuation of flight characteristics: a stated preference approach*”
2. Zouhair Saifeddine Mehadji, Royal Air Maroc, France, Cordula Barzantny, Toulouse Business School, “*The yield of emigration - Ethnic air transport as an overlooked customer segment*”
3. Bryn Battersby, iCreate Pty. Ltd, Australia, Gabriel Peacock, iCreate Pty. Ltd, Australia, “*Simulated consumer decisions: An application of synthetically generated consumer profiles*”
4. Woong-Yi Kim, Department of Air Transportation and Administration, Hanseo University, Korea, Kang-Seok Lee, Department of Air Transportation and Administration, Korea, “*The analyzing of Airport Accessibility in incheon International Airport*”

### **Session 1B: Future Scenarios for Commercial Air Transport - Room 1**

**Chair:** *Respicio Antonio Do Espirito SANTO, Jr, Federal University of Rio de Janeiro, Brazil*

1. Willie-Pierre Dupont, AIRBUS, “*The A380: Preparing the airports and authorities*”
2. Stephan Eelman, Lehrstuhl für Luftfahrttechnik, TU Munchen, Berlin, Axel Becker, DaimlerChrysler, Society and Technology Research Group, Berlin, “*Future requirements and concepts for cabins of blended wing body configurations - a scenario based approach*”
3. David Jarach, SDA Bocconi Business School, “*Future scenarios for the European airline industry: a marketing-based perspective*”
4. Alexander Angermaier, Airport Design Management, Netherlands “*Schiphol Zipped - A Vision of the Future - "Aerovilles"*”

### **Session 1C: Airline Alliances I - Room 4**

**Chair:** *Fariba Alamdari, Cranfield University, UK*

1. Birgit Kleymann, Helsinki School of Economics, “*The dynamics of multilateral alliancing: A process perspective on airline alliance groups*”
2. Anming Zhang, University of British Columbia, Canada, Yimin Zhan, Department of Economics and Finance, Hong Kong, “*Competition between Strategic Alliances*”

3. Mary R. Brooks, Dalhousie University, “*Mergers & Acquisitions in the airline sector 1996-2000*”
4. Celso Figueiredo, Instituto Tecnológico de Aeronáutica, Brazil, Protogenes Pires Porto, Instituto Tecnológico de Aeronáutica, Brazil, “*Technical analysis of restructuring model for airline mergers: impact for customers*”

**Session 1D: Airport Pricing, Regulation and Governance I - Room 5**

**Chair: Valerie Dufour, Transport Canada – Room 5**

1. Peter Forsyth, Department of Economics, Monash University, Australia, Hans-Martin Niemeier, Department of Nautical Sciences and International Economics, Australia, “*Price Regulation and the Choice of Price Structures at Busy Airports*”
2. Ching-Chyuan Lu, Cranfield University, U.K., Romano I. Pagliari, Cranfield University, U.K., “*New insights into the single versus dual-till airport pricing debate*”
3. Tae Oum, Anming Zhang, Univ. of British Columbia, Canada, and Yimin Zhang, City University of Hong Kong “*Concession Profit and Its Efficiency Implications on Alternative Forms of Economic Regulation of Airports*”
4. Cristina Barbot, CETE - Faculty of Economics, Portugal, “*Effects of welfare on different airport charge systems*”

**Session 1E: Air Transport Finance – Room 3**

**Chair: Jacques Tournut, Toulouse Business School**

1. William Gibson, EURESAS, France, “*Theory and practice in aircraft financial evaluation*”
2. Nadine Galy, Toulouse Business School, France, Laurent Germain, Toulouse Business School, France, David Stolin, Toulouse Business School, France, “*Product market competition and stock prices: the case of the Airbus-Boeing duopoly*”
3. Triant Flouris, Auburn University, and Steve Swidler, Auburn University, U.S.A., “*American Airlines’ Takeover of TWA: An Ex Post Analysis of Financial Market Information*”
4. Mehdi Haririan, Bijan Vasigh, Embry\_Riddle. “*Using Discounted Cash Flow Model in Aircraft Evaluation*”

**12:45 – 14:15 Lunch – Sponsored by Capitolis**

**14:30 – 16:00**                      **Concurrent Sessions Series 2**

**Sessions 2A: Demand for Air Transport I – Room 2**

**Chair: Young-Heok Lee, Hankuk Aviation University, Korea**

1. Adam Brown, Department of Forecasting, AIRBUS, France, “*Reasons for confidence in the long-term growth potential of air transport*”
2. Bryn Battersby, Charles Sturt University, iCreate Pty. Ltd, Australia, “*Consumer expectations of capacity constraints and their effect on the demand for multi-class air-travel*”
3. Lorenzo Castelli , University of Trieste, Italy, Raffaele Pesenti, University of Palermo, Italy, Walter Ukovich, University of Trieste, Italy, “*An airline-based multilevel analysis of airfare elasticity for passenger demand*”
4. Jin-Long Lu, Chung-Jung University, Taiwan, Li-Non Tsai, “*Modeling The Effect of Enlarging Seating Room on Passengers’ Preference of Taiwan’s Domestic Airlines*”

**Sessions 2b: Airport Planning, Management and Operations II – Room 1**

**Chair: Martin Dresner, University of Maryland, U.S.A.**

1. Marcelo Baena Moreno, Instituto Tecnológico de Aeronáutica, Brazil, Carlos Muller, Brazil, “*Airport choice in Sao Paulo metropolitan area: an application of the conditional logit model*”
2. William Hynes, Department of Regional and Urban Planning, University College Dublin, Ireland, “*A Review of Airport System Capacity Definitions*”  
of Airport System Capacity Definitions
3. Jan Veldhuis , Amsterdam Aviation Economics, Netherlands, Merith Pelger, Netherlands, “*Airport competition and changing landside accessibility*”
4. Erico Santana, Instituto de Protecao as Voo, Brazil, Carlos Müller, Instituto Tecnológico de Aeronáutica, Brazil, “*An Analysis of Delay and Travel Times at Sao Paulo Int’l Airport (AISP/GRU): Planning Based on Simulation Model*”

**Sessions 2C: Airline Alliances 2 - Room 4**

**Chair: Eddy van de Voorde, University of Antwerp, Belgium**

1. Hideyuki Kanenari , Japan Airlines, Japan, Ryu Tanji, Japan, “*JAL/JAS Integration – Toward a new era of competition*”
2. Zhengyi Shon, Department of Business Administration, Wenzao Ursuline College of Languages, Taiwan, “*The Study of Airline Merger and Acquisition in the Great China Area*”

3. Kostas Iatrou, Air Transport Group, Cranfield University, U.K., Fariba Alamdari, Air Transport Group, Cranfield University, U.K., “*The empirical analysis of impact of alliances on global alliance groupings*”
4. Kai Hueschelrath, Otto Beisheim Graduate School of Management, Germany, “*The Lufthansa-Germania Case: A standard for more predatory pricing rules*”

### **Session 2D: Airport Pricing, Regulation and Governance II – Room 5**

**Chair:** *John Lawson, Transport Canada*

1. Eric Pels, Department of Spatial Economics, Free University, Amsterdam, Erik Verhoef, Department of Spatial Economics, Free University, Amsterdam, “*Airport pricing strategies*”
2. Raphael A Schorr, Centre for Transportation and Logistics, MIT, U.S.A., “*Marginal Social Cost Auctions for Congested Airport Facilities*”
3. Marianne Raffarin, ENAC-CENA, France, “*Auction Mechanism to Allocate Air Traffic Control Slots*”
4. Protógenes Pires Porto, Instituto Tecnológico de Aeronáutica, Brazil, “*A Privatization Model to Brazilian Airports*”

### **Session 2E: Airline Operation and Management I –Room 3**

**Chair:** *David Jarach, SDA Bocconi Business School, Italy*

1. Kang Bin Lee, Sang Ji University, Korea, “*The Carrier’s Liability for Damage Caused by Delay in International Air Transport*”
2. Matteo Monticelli, University Carlo Cattaneo, Italy, “*Transparency and Air Tariff*”
3. Alexis George de Borges Pan, Department of Civil Aviation, Federal University of Rio de Janeiro, Brazil, Respicio A. Espirito Santo Jr., Federal University of Rio de Janeiro, Brazil, “*Developing a 'Fleet Standardization Index' for airline planning*”

**16:00 – 16:30**                      **Refreshments – Sponsored by Blagnac Airport**

**16:30 – 18:00**                      **Concurrent Sessions Series 3**

### **Session 3A: Demand for Air Transport II – Room 2**

**Chair:** *Bill Swan, Boeing Commercial Aircraft, U.S.A.*

1. George Williams, Cranfield University, U.K., Simon Beck, Cranfield University, U.K., *“Responding to the "no-frills" threat: the cost implications for charter carriers of establishing scheduled service operations”*
2. Adival Aparecido Magri Junior, Instituto Tecnológico de Aeronáutica, Brazil, Cláudio Jorge Pinto Alves, Instituto Tecnológico de Aeronáutica, Brazil, *“Convenient airports: point of view of the passengers”*
3. Kazuyuki Takada, Department of Civil Engineering, Tokyo Denki University, Japan, *“An Estimation Method of International Origin-Destination Passenger Demand using Observed Passenger Flow and Passenger's Route Choice Model”*
4. Jacques Tournut, Toulouse Business School, France, *“Monopoly Routes and Optimal Pricing Policy : The Case of Several Routes and Heterogenous Demand”*

### **Session 3B: Airport Planning, Management and Operations III – Room 1**

**Chair:** *Bijan Vasigh, Embry Riddle University, U.S.A.*

1. Peter Meincke, German Aerospace Center (DLR), Germany, *“Cooperation of German Airports in Europe - comparison of different types by means of an interdependence-profile-model”*
2. Rafael Waltz Matera, Institute of Civil Aviation, Brazil, Roberta de Roode Torres, Federal University of Rio de Janeiro, Brazil, Respicio A. Espirito Santo Jr., Federal University of Rio de Janeiro, Brazil, *“Major impact of fleet renewal over airports located in the most important region of Brazil”*
3. Dragoş Stoica, ENAC, France, Félix Mora-Camino, Enac, France, Carlos A.N. Cosenza, Coppe/Ufrj, Rio de Janeiro, Brazil, Abdelkrim Achaibou, Laas du CNRS, France, *“Multi-agent systems for airport freight terminal modeling and simulation”*

### **Session 3C: Deregulation and Open Skies – Room 4**

**Chair:** *Jaap de Wit, University of Amsterdam, Netherlands*

1. Nicole Adler, School of Business Administration, Hebrew University, Isreal, Niron Hashai, School of Business Administration, Hebrew University, Isreal, *“Effect of Open Skies in the Middle East”*
2. Marcelo Xavier Guterres , Instituto Tecnológico de Aeronáutica, Brazil, Carlos Muller, Instituto Tecnológico de Aeronáutica, Brazil, *“Deregulation of the Brazilian air transportation Industry in terms of the market concentration”*
3. Karim Zbidi, CENA, France, *“The Impact of Total Liberalization of Domestic Air Transport on the Social Welfare and on the Dynamic of Competition: Comparision Between the United States and the European Union”*
4. Andreas Papatheodorou, School of Management, University Surrey, U.K., Louis Busuttill, College of Aeronautics, Cranfield University, U.K., *“EU Accession and Civil Aviation Regimes: Malta and Cyprus as a case study”*

### **Session 3D: Airport Pricing, Regulation and Governance III – Room 5**

**Chair:** *Peter Forsyth, Monash University, Australia*

1. Erik Alexander Jenichen, Instituto Tecnológico de Aeronáutica, Brasil, Dario Rais Lopes, Instituto Tecnológico de Aeronáutica, Brasil , “ *Airport Revenues and Expenses: An Econometric Approach*”
2. Nathalie Lenoir, ENAC, Toulouse, Nicolas Gruyer, ENAC, Toulouse, “*Auctioning airport slots (?)*”
3. Kang-Seok Lee, Department of Air Transportation and Administration, Korea, Seung Chang Lee, Department of Business Administration, Korea, “*A Study on the development of service quality index for Incheon International airport*”

### **Session 3E: Airline Operation and Management II – Room 3**

**Chair:** *Kichan Park, Inha University, Korea*

1. Ellen Lippman, R.B. Pamplin, Jr., School of Business, University of Portland, U.S.A., Richard Gritta, R.B. Pamplin, Jr., School of Business, University of Portland, U.S.A., “*Leasing as a Source of Finance by the Major U.S. Airlines: Changes over Time-Is Debt Still Hidden?*”
2. Yu Chun Chang, Department of Air Transport Management, Kai-Nan University, Taiwan, George Williams, Chia-Jui Hsu, Air Transport Group, Cranfield University, U.K., “*SWOT analysis of European Airlines in the Asia Pacific Region*”
3. Peter Bruce, Monash University, Australia, Judy H Gray, Monash University, Australia, “*Using simulations to investigate decision-making in airline operations*”

**19:00**                    **Busses depart from Hotel Atria for the Airbus Conference dinner**

**Saturday, July 12, 2003**

**08:30 – 10:00            Concurrent Sessions Series 4**

**Sessions 4A: Safety and Security – Room 2**

**Chair: Jean Bresson, Ecole Nationale de L'Aviation Civile (ENAC), France**

1. Bill Waters, University of British Columbia, Canada, Chunyan Yu, University of British Columbia, Canada, “*Air Travel Security and Facility Fees, and Their Impact on Air Travel and Transportation Safety [the Case of Canada]*”
2. Bijan Vasigh, College of Business Administration, Embry-Riddle University, U.S.A., G. Rod Erfani, Transylvania University, U.S.A., Freyr Halldorsson, Embry – Riddle Aeronautical University, U.S.A., “*An Evaluation of a Commercial Airline Safety: Assessment of Major, National and Regional Airlines Safety*”
3. Adriana Rossiter and Martin Dresner, "The Impact of The September 11th Security Fee and Passenger Wait Time on Traffic Diversion and Highway Fatalities"
4. John S. Lainos, Greece, “*The impact of the air carrier's top management functions on flight safety in a globalised environment*”

**Sessions 4B: Air Traffic Control and Aviation Issues – Room 1**

**Chair: Ray Kaduck, Policyshop.com, Canada**

1. Cheng-Lung Wu, Department of Aviation, University of New South Wales, Australia, “*The Influence of Operational Uncertainties on Airline Schedule Planning and Punctuality Control Techniques*”
2. Janaina Rizzi, Instituto Tecnológico de Aeronáutica, Brazil, Carlos Müller, Instituto Tecnológico de Aeronáutica, Brazil, “*A Brazilian Case Study for the Air Traffic Flow management Problem*”
3. I-li Lu, Boeing, U.S.A., Julio Peixot, Boeing, U.S.A., Winson Taam, Boeing, U.S.A., “*A Simultaneous Equation Model for Air Traffic in the New York Area*”
4. Christian Bontemps, CENA, France, “*Productivity of European Air Navigation Service Providers: Basic Concepts and Applications*”

**Sessions 4C: Low Cost Carriers – Room 4**

**Chair: Hilde Meesman, University of Antwerp, Belgium**

1. Fariba Alamdari, Cranfield University, U.K., Simon Fagan, Rolls Royce, U.K., “*Impact of Adherence to Traditional Low Cost Model on the Profitability of Low Fare Airlines*”

2. Thomas C. Lawton, Imperial College London, U.K., Stanislav Solomko, Air Canada, Canada, ‘*Low fare airlines in Asia: an analysis of cost competition dynamics*’
3. Erik Novaes de Almeida Silva, Federal University of Rio de Janeiro, Brazil, Respicio A. Espirito Santo Jr., Federal University of Rio de Janeiro, Brazil, ‘*Introducing a low cost low fare concept in Brazil: GOL Airlines*’
4. Andy Foster, Cranfield University, U.K., Sheelah Turner, Cranfield University, U.K., ‘*An analysis of competing no frills and network carrier fares: a study of London – Amsterdam*’

#### **Session 4D: Airport Performance - Room 5**

**Chair:** *Jan Veldhuis, Amsterdam Aviation Economics, The Netherlands*

1. Yeong Heok Lee, Hanseo University, Korea, Eun Jung Kim, Korea, ‘*Measuring Airport Productivity in Asia with DEA Approach*’
2. Yuichiro Yoshida, International University of Japan, Japan, ‘*Japanese-Airport Benchmarking with the Endogenous-Weight TPF Model*’
3. Marcos Ramón Flores Curiel, Instituto Tecnológico de Aeronáutica, Brazil, Protógenes Pires Porto, Instituto Tecnológico de Aeronáutica, Brazil, ‘*Application of the of Date Envelopment Analysis Techniques in the Study of the Operational Efficiency of the Main Venezuelan Airports and the Behavior with the Presence of Military Air Bases*’
4. P.Senguttuvan, Airports Authority of India, ‘*Role of Economic and Operational Efficiency in Benchmarking Airport Industry – A Case Study*’

#### **Session 4E: Trend and Issues in Air Transport I – Room 3**

**Chair:** *Eric Pels, Free University of Amsterdam, The Netherlands*

1. Sheelah Turner, Cranfield, U.K., Andy Foster, Cranfield, U.K., ‘*Comparison of passenger selection criteria: a study of London – Amsterdam passengers*’
2. Respicio A. Espirito Santo Jr., Federal University of Rio de Janeiro, Brazil, Márcio Peixoto de Sequeira Santos, Federal University of Rio de Janeiro, Brazil, ‘*Exploring Scenarios for the Air Transport Industry in Brazil*’
3. Hajime Tozaki, Meiji University, Japan, ‘*New Market Situation in Japanese Domestic Air Transport Industry*’
4. Peter Forsyth, Department of Economics, Monash University, Australia, ‘*Air Transport Policy and the Measurement of Tourism Benefits*’

**10:00 – 10:30 Refreshments** – Sponsored by **Blagnac Airport**

**10:30 – 12:00 Concurrent Sessions Series 5**

### **Session 5A: Airline Competition and Networks – Room 2**

**Chair:** *Anming Zhang, University of British Columbia*

1. Guillaume Burghouwt, Faculty of Geographical Sciences, Utrecht University, Netherlands, Jaap de Wit, Amsterdam Aviation Economics, University of Amsterdam, Netherlands, ‘*The temporal configuration of airline networks in Europe*’
2. Joao Menezes, Lisbon University, Portugal, Elizabeth Reis, Lisbon University, Portugal, José Crespo de Carvalho, Lisbon University, Portugal, ‘*The logic of new air cargo logistics operator for a decentralised regional hub network in the Iberian peninsula*’
3. Beatriz Blinder, Institute of Civil Aviation, Rio de Janeiro, Brazil, Milton Valdir de Matos Feitosa, Institute of Civil Aviation, Rio de Janeiro, Brazil, Yaeko Yamashita, University of Brazil, Brazil, ‘*Methodological proposal for selecting alternatives of traffic reallocation at the Brazilian central airports*’
4. Mauricio Hupalo, Instituto Tecnológico de Aeronáutica, Brazil, ‘*Aspects related to the assessment of runway capacity*’

### **Session 5B: Environmental Issues and Policy – Room 1**

**Chair:** *Bill Waters, University of British Columbia, Canada*

1. Cherie Lu, RAND Europe, Netherlands, Abigail Lierens, ‘*Determination and applications of environmental costs at different sized airports — Aircraft noise and engine emissions*’
2. Magnus Blinge, TFK - Transport Research Institute, Sweden, ‘*Cost Effective Measures to Reduce CO2 Emissions in the Air Freight Sector*’
3. Milan Janic, Delft University of Technology, Netherlands, ‘*An assessment of the sustainability of air transport system: quantification of indicators*’

### **Session 5C: Airline Economics, Strategy and Management – Room 4**

**Chair:** *Martin Lijesen, Netherlands Bureau for Economic Policy Analysis, The Netherlands*

1. David Gillen, Wilfrid Laurier University, U.S.A., William Morrison, Wilfrid Laurier University, U.S.A., ‘*Regulation, Competition and Network Evolution in Aviation*’
2. Etienne B. de Villemeur, University Toulouse I, France, ‘*Regulation in the Air: Price-and-frequency cap*’
3. Nigel Dennis, University of Westminster, U.K., ‘*Industry consolidation and future airline network structures in Europe*’

4. Sunder Raghavan, Embry-Riddle, U.S.A., “*Application of Core theory to the U.S. Airline Industry*”

#### **Session 5D: Air Cargo - Room 5**

**Chair:** *Yimin Zhang*, City University of Hong Kong

1. Hiroshi Ohashi, University of British Columbia, Canada, Tae Hoon Oum, University of British Columbia, Canada, Chunyan Yu, University of British Columbia, Canada, Tae-Seung Kim, University of British Columbia, Canada, “*Air Freight Transshipment Route Choice Analysis*”
2. Jecheol KIM, Choongyeol YE, The Korea Transport Institute, Korea, “*A comparative study on air cargo transportation policies of northeast Asian countries*”
3. Roberta de Roode Torres, Federal University of Rio de Janeiro, Brazil, Rafael Matera, Institute of Civil Aviation, Brazil, Respicio A. Espirito Santo Jr., Federal University of Rio de Janeiro, Brazil, “*Challenges, Opportunities, and Perspectives of the International Air Cargo Market in Brazil*”
4. Marco Benacchio, Direzione Transporti, Italy, Alessandro Merlo, Italy, “*Airport cargo business towards multimodal logistic terminal? Preliminary considerations on feasible reasons and impacts*”

#### **Session 5E: Trend and Issues in Air Transport II – Room 3**

**Chair:** *Brent Bowen*, University of Nebraska at Omaha, U.S.A.

1. Hun-Koo Ha, Korea Transport Institute, Korea, Yonghwa Park, Korea Transport Institute, Korea, “*Causes of air transport demand changes in Korea*”
2. Pablo Coto-Millán, Cantabria University, Vincente Inglada, Carlos III University, Belen Rey, Complutense University, Spain, “*Technical Efficiency and Liberalisation within International Air Transport (1992-2000)*”
3. Souhir Charfeddine, ENAC, France, Félix Mora Camino, ENAC, France, “*A fuzzy approach of the competition on air transport market*”
4. Khaled Abbas, Egypt National Institute of Transport, Egypt, Nabil Abdel Fattah, Egypt National Institute of Transport, Egypt, Hala R. Reda, Egypt National Institute for Civil Aviation Training, Egypt, “*Developing Passenger Demand Models for International Aviation from/to Egypt: a case study of cairo airport and Egyptair*”

12:00 – 13:30      **Lunch** – Sponsored by **Capitolis**

14:00 – 15:30      **Concurrent Sessions Series 6**

## **Session 6A: Airline Competition and Market Development – Room 2**

*Chair: Thomas C. Lawton, Imperial College London, U.K*

1. Andreas Knorr, University of Bremen, Germany, Andreas Arndt, University of Bremen, Germany, “*Why did Swissair fail?*”
2. Maria Dembrower , Stockholm School of Economics, Sweden, Daniel Grenblad, “*Distribution – A Barrier to Entry in the Airline Industry*”
3. Zhi H. Wang, Charles Stuart University, Australia., “*Important factors in risk and uncertainty management: the airline industry’s case*”
4. P.Senguttuvan, Airports Authority of India, ‘*Strategic Role of Airport Infrastructure in Developing Air Cargo Business through private participation*’

## **Session 6B: Aviation Technology and Performance – Room 1**

*Chair: Halit Turkmen, Istanbul Technical University, Turkey*

1. Dragoş STOICA, ENAC, France, Félix MORA-CAMINO, LAAS du CNRS, France, “*Advanced ground traffic control*”
2. Hamid Rami , North East Wales Institute, U.K., Z. Zouaoui, North East Wales Institute, U.K., “*Flight Control System Reconfiguration*”
3. Sunder Raghavan, Embry\_Riddle, U.S.A., “*Small Aircraft Transportation System (SATS): Real Options Approach to Corporate Aviation*”

## **Session 6C: Airline Performance - Room 4**

*Chair: Birgit Kleymann, Helsinki School of Economics*

1. R. Devoto, Italy, C. Farci, Italy, “*Assessing air transport performance by means of a quality index*”
2. Brent Bowen, University of Nebraska, U.S.A., Dean E. Headley, Wichita State University, U.S.A., “*Measuring Airline Productivity in the post 9-11 Operational Environment*”
3. William M. Swan, Boeing, U.S.A., “*Prices, Fares, and Yields*”
4. Juan Carlos Martín Hernandez, Universidad de Las Palmas, Spain, Ofelia Betancor, Universidad de Las Palmas, Spain, Concepción Román, Universidad de Las Palmas, Spain, “*Multicriteria approach to analyze the relationship between service and safety quality in the US airline industry*”

## **Session 6D: Air Transport Policy – Room 5**

**Chair:** *Nicole Adler, Telaviv University, Israel*

1. Kichan PARK, Inha University, Korea, Joon-Suk Kim, Korea, “*Beyond Regional Integration of Air Transportation Services in Northeast Asia: From bilateral cost games to multilateral service games*”
2. Dariusz Kalinski, Warsaw School of Economics, Poland, Elzbieta Marciszewska, Warsaw School of Economics, Poland, “*Polish air transport development strategy in the light of globalization and European integration*”
3. Xavier Fageda, University of Barcelona, Spain, “*Is there competition in the European airline industry*”
4. Evangelos Sambracos, University of Piraeus, Greece, K. Rigas, University of Piraeus, Greece, “*Air transport market deregulation and its effect on the short-sea shipping of the Greek domestic market*”

### **Session 6E: Air Transport Management Issues – Room 3**

**Chair:** *Zheng-Yi Shon, Wenzao Ursuline College, Kaoshiung, Taiwan.*

1. Victor Ujimoto, University of Western Ontario, Canada, “*Corporate Resource Management: An Integrative Approach to An Effective Aviation Organization*”
2. V. Gruhn, University of Leipzig, Germany, Ijioui Raschid, University of Leipzig, Germany, “*Concept of a System Providing Ground-Based Medical Support for In-Flight Emergencies*”
3. Eckhard Urbatzka, Institute of Transport research [DLR], Germany, “*Future Airport Capacity Utilisation in Germany: Peaked Congestion and/or Idle Capacity?*”

15:30 – 16:00 **Refreshments** – Sponsored by **Blagnac Airport**

16:30 – 18:00 **ATRS Global Airport Benchmarking Report and Closing Plenary Session - Toulouse Business School Auditorium**

Chair: **Prof. Sveinn Gudmundsson**, Toulouse Business School

#### **ATRS Global Airport Performance Benchmarking Report**

*ATRS Benchmarking Task Force (Tae Oum, Peter Forsyth, Jaap de Wit, David Gillen, Nicole Adler, Keith Mason, Eric Pels, Chunyan Yu, Bijan Vasigh, Young-Heok Lee, Yuichiro Yoshida)*

#### **ATRS Award Presentation**

#### **Closing Session, and Business Meeting**

**Prof. Tae H. Oum:** ATRS Business Report

**Prof.: M. Fevzi Unal,** Istanbul Technical University,

“Invitation to the ATRS 2004 Istanbul Conference (1-3 July, 2004)

**Prof. Hilde Meersman**, University of Antwerp,

“Invitation to the WCTR 2004 Istanbul Conference (4-9 July, 2004)

Other Business

Adjournment and Farewell