



9th AIR TRANSPORT RESEARCH SOCIETY WORLD CONFERENCE – 2005

July 3-7, 2005

FIRJAN Conference Center

Av. Graça Aranha, nº. 1, Downtown Rio

(in front of the DAC building)

Rio de Janeiro, Brazil

Organized by

The Air Transport Research Society (ATRS)

A Special Interest Group of the WCTR Society

www.atrsworld.org

Hosted by

Federal University of Rio de Janeiro – UFRJ

**9th ATRS WORLD CONFERENCE, RIO DE JANEIRO, BRAZIL
SCHEDULE OF EVENTS**

SUNDAY, JULY 3, 2005

- 10:30-12:00** **ATRS Airport Benchmarking Task Force Meeting**
Excelsior Hotel (Copacabana Beach – Av. Atlântica, 1800)
Task Force members only
- 12:30-14:00** **ATRS Networking/Executive Committee Lunch Meeting**
Excelsior Hotel (Copacabana Beach – Av. Atlântica, 1800)
Networking/Executive Committee members only
- 19:00-21:00** **Welcome Reception**
Clube dos Marimbás (Posto 6, Copacabana – right next to the Forte de Copacabana)
Co-sponsored by Copenhagen International Airport and YVR Vancouver International Airport Authority.

MONDAY, JULY 4, 2005

- 8:00-18:00** **Conference registration**
FIRJAN Conference Center, 3rd floor
- 9:00-9:30** **2005 Conference Opening and Welcoming Addresses**
FIRJAN Conference Center, Main Auditorium, 2nd floor
Chair: Prof. Respicio A. Espirito Santo Jr., Conference Chair
Welcoming Address by (to be announced)
Welcome by Professor Tae H. Oum, President of the ATRS
- 9:30-11:30** **The Plenary Keynote Panel Session**
**“Future Development of the Air Transport Industry:
Focus on Airline Strategies in the Increasingly
Competitive Market”**
FIRJAN Conference Center, Main Auditorium, 2nd floor
Chair: Professor Respicio A. Espirito Santo Jr.,
Federal University of Rio de Janeiro
- 11:30-13:00** **Global Airport Performance Benchmarking and
Airport Efficiency Excellence Awards Session**
FIRJAN Conference Center, Main Auditorium, 2nd floor
Chair: Professor Tae H. Oum, University of British Columbia,
Canada

- 13:00-14:30 Lunch break (see map of available restaurants nearby the FIRJAN Building)
- 15:00-16:30 Concurrent Sessions I
- 16:30-17:00 Coffee-break – Sponsored by Hartsfield-Jackson Atlanta International Airport
- 17:00-18:30 Concurrent Sessions II

TUESDAY, JULY 5, 2005

- 9:00-10:30 Concurrent Sessions III
- 10:30-11:00 Coffee-break – Sponsored by the College of Business at Embry Riddle Aeronautical University
- 11:00-12:30 Concurrent Sessions IV
- 13:00-16:00 Conference Lunch (Churrascaria Montana Grill)

WEDNESDAY, JULY 6, 2005

- 9:00-10:30 Concurrent Sessions V
- 10:30-11:00 Coffee-break – sponsored by Sauder School of Business, The University of British Columbia, Canada
- 11:00-12:30 Concurrent Sessions VI
- 12:30-14:30 Lunch Break
- 15:00-16:30 Concurrent Sessions VII
- 16:40-17:30 Closing Plenary Sessions
Invitation by the 2006 Nagoya ATRS Conference Organizing Committee (25-27 May, 2006), and ATRS Business

THURSDAY, JULY 7, 2005

EMBRAER TECHNICAL VISITATION – Details will follow.

DETAILED LIST OF EVENTS AND SESSIONS

(Subject to change)

MONDAY, JULY 4, 2005

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Federal University of Rio de Janeiro

Keynote Panel Speakers:

Embraer: Mr. Orlando José Ferreira Neto, Vice-President Marketing/Strategy.

Air Canada: Mr. Duncan Dee, Senior Vice-President, Corporate Affairs and Chief Administrative Officer of ACE Aviation Holdings Inc. (Parent Company of Air Canada and affiliates), Canada.

Japan Air Lines: Mr. Hideyuki Kanenari, Senior Executive Officer, Marketing Strategy, Research & Corporate Planning and Vice-President Strategic Policy & Research, Japan Airlines Group.

Jet Blue: Mr. Usto Schulz, Co-founder, JetBlue.

Back Aviation: Mr. Michael Allen, Chief Operating Officer (COO).

11:30-13:00 Global Airport Performance Benchmarking and Airport Efficiency Excellence Awards Session
FIRJAN Conference Center, Main Auditorium, 2nd floor
Chair: Professor Tae H. Oum, University of British Columbia, Canada

The ATRS Airport Benchmarking Task Force*, "**The Highlights of the 2005 ATRS Global Airport Performance Benchmarking Report - Global Standards for Airport Excellence**"

Task Force members: *ATRS Benchmarking Task Force (Tae Oum, Peter Forsyth, Young-Heok Lee, Yuichiro Yoshida; Jaap de Wit, Nicole Adler, Eric Pels, Hans-Martin Niemeier; David Gillen, Chunyan Yu, Bijan Vasigh)

Award Presentations and Acceptance Speeches:

Global Airport Efficiency Excellence Award to Tampa International Airport: Presentation by Prof. Tae H. Oum, ATRS President
Acceptance speech by **Mr. John Wheat**, Deputy Executive Director, Tampa International Airport, Hillsborough County Airports Authority, Florida, USA

North American Airport Efficiency Excellence Awards to:
Hartsfield-Jackson Atlanta International Airport
Presentation by Prof. Bijan Vasigh, Embry Riddle University
Acceptance speech by **Mr. Mario Diaz**, Vice-President Marketing
Vancouver (YVR) International Airport Authority
Presentation by Prof. Bijan Vasigh, Embry Riddle University
Acceptance speech by **Mr. Tony Gugliota**, Chief Financial Officer and Senior Vice-President

European Airport Efficiency Excellence Award to:
Copenhagen Airports A/S:
Presented by Dr. Eric Pels, Free University of Amsterdam
Acceptance speech by **Mr. Mogens Kornbo**, Vice-President Real Estate and Operations, Copenhagen Airports.

Asia-Pacific Airport Efficiency Excellence Award to:
Singapore Changi Airport:
Presentation by Prof. Peter Forsyth, Monash University, Australia
Acceptance Speech by **Mr. Tee Chiou NG**, Deputy Director (ATS), Civil Aviation Authority of Singapore (CAAS)

13:15-14:45 Lunch (see map for restaurants nearby the FIRJAN)

15:00-16:30 Concurrent Sessions I

Session I-A: Airline Management and Operation 1

Chair: Vladimir Lima da Silva and Gustavo Zanettini, Federal University of Rio de Janeiro, Brazil

Room: ERJ 145 (2nd floor)

1. Richard Klophaus and Stefan Polt, Tier University of Applied Sciences, Germany, "Overbooking – A Sacred Cow Ripe for Slaughter?"
2. Jens Frederik Bender, WHU-Otto Beisheim Graduate School of Management, Germany, "Cost Cutting Potential Through Joint Aircraft Procurement In Alliances"
3. Jorge Rady de Almeida and Marcelo da Mota Lopes, Escola Politécnic da USP, Brazil, "Database Systems Resource Management for Air Transport"
4. Rafael Matera, Luiz Carlos de Avellar junior, and Carlos Quintiere Costa, Federal University of Rio de Janeiro, Brazil, "A Proposal for Cargo Aircraft Fleet Planning – a case of Study: VARIG LOG"
5. Slobodan Gvozdenovic, Petar Miroslavljević, and Olja Vujić, University of Belgrade, Serbia, "Influence of Delays on Total Costs in Airline Industry"

Session I-B: Human Factors Issues 1

Chair: Victor Ujimoto, University of Western Ontario, Canada

Room: EMBRAER 170 (2nd floor)

1. Jean Bresson, ENAC, France, "Short introduction of Human Resources issues"
2. Joel Zhengyi Shon, Tainan Woman's College of Arts and Technology, Taiwan & Yen-Hern Cheng, Institute of Traffic and Transportation, Taiwan, "The Impacts of Internal Customer Satisfaction on the Service Attitudes and Willingness to Serve of Airline Employees"
3. Narjess Teyssier, Airbus, France, "Use new technology in Flight Crew training: Cost-benefit analysis" ***
4. Ted Beneigh, Embry-Riddle Aeronautical University, USA, "Communications between team members of different cultures and nationalities on international airline flight decks"

Session I-C: Airport Performance 1

Chair: Valerie Dufour, Policy and Planning, Transport Canada

Room: EMBRAER 195 (3rd floor)

1. Anne Graham and Hans-Arthur Vogel, University of Westminster, UK, "A Comparison of Alternative Airport Performance Measurement Techniques: a European Case Study"

2. Elpidio Romano, Naples Department of Transportation Engineering, Italy, "Modeling Airport Capacity"
3. Vanessa Kamp and Hans-Martin Niemeier, University of Applied Sciences, Bremen, Germany, "Benchmarking of German Airports – Some first Results and an agenda for further research"
4. Janic Milan, Delft University of Technology, The Netherlands, "Strategic Airport Planning: Modelling Capacity of the Dependent Airport Runways"

Session I-D: Low Cost Airlines 1

Chair: Peter Forsyth, Monash University, Australia

Room: EMBRAER 190 (4th floor)

1. David Pitfield, Loughborough University, UK, "A Time Series Analysis of Ryanair's Impact on Airline Market Share from London area airports"
2. Alessandro Oliveira, Instituto Tecnológico de Aeronáutica, Brazil, "An Empirical Model of Low Cost Carrier Entry: The Entry Patterns of GOL Airlines"
3. Shinya Hanaoka and Thyne Lilavivat, Asian Institute of Technology, Thailand, "The Impact of Low Cost Carriers Entry in Thailand"
4. Cristian Huse and Fabio Evangelho, London School of Economics, UK, "Low Cost versus Full Service Carriers: Sources of Differentiation according to Business Travellers"

Session I-E: Air Travel Demand 1

Chair: George William, Cranfield University, UK

Room: EMBRAER 175 (4th floor)

1. Andrew Gordon, Airbus, France, "Recent Structural Changes in air transport and their influence on traffic and aircraft developments" ***
2. Marcelo Moreno, Energyarc Industrial Ltda., Brazil, "Airline Choice for Domestic Flights in São Paulo Metropolitan Area: an Application of the Conditional Logit Model"
3. Stephane Hess, Thomas Adler and John Polak, Imperial College of London, UK, "Computing Willingness to pay indicators for air travelers from SP survey data"
4. Roger Parker (Boeing, USA), Laurie A. Garrow (George Institute of Technology, USA), and Jordan Louviere (University of Technology Sydney, Australia), "Market Elasticity: How Much Are Airline Customers' Willing to Pay to Fly?" ***

16:30-17:00 Coffee-break – Sponsored by Hartsfield-Jackson Atlanta International Airport

17:00-18:30 Concurrent Sessions II

Session II-A: Airline Management and Operation 2

Chair: Eizo Hideshima, Associate Professor, Nagoya Institute of Technology

Room: ERJ 145 (2nd floor)

1. Ian Stochman, Cranfield University, UK, "The Impact of the Introduction of Time Buffers in Airline Schedules"
2. Debora Silveira, Juliana Tolfo, Marsela Caipa Parra, and Ronaldo Balassiano, Federal University of Rio de Janeiro, Brazil, "Information Technology Impacts on Airline Ticketing"
3. Marcelo Henrique de Silveira and Ricardo Rodrigues Pacheco, UNESA Universidade Estácio de Sá, Brazil, "Cost strategies aligned with civil aviation objectives: safety, rather than regularity and efficiency" ***
4. Peter Miroslavljevic, University of Belgrade, Serbia, "Optimization of Transport Aircraft Climb Performance"

Session II-B: Air Transport Safety and Security 1

Chair: Joel Shon, Tainan Woman's College of Arts and Technology, Taiwan

Room: EMBRAER 170 (2nd floor)

1. Rodney Rogers, Embry Riddle Aeronautical University, USA, "The Effect of the Crash of American Airlines Flight 587 on Air Transport Upset Recovery Training"
2. Derek Wong, A.J. Appleyard, R.E. Caves, and D.E. Pitfield, Loughborough University, UK, "The Development of Models of the Frequency of Aircraft Accidents near Airports"
3. Paul Ogata and João Batista Camargo Júnior, Universidade de São Paulo, Brazil, "Hazard Evaluation of Aircraft Collision on Ultra Closely Spaced Parallel Approaches Operation"
4. Maeng Sern Kim, Hankuk Aviation University, Korea, "A Study on the Systemic Improvement of Civil Aviation Safety" ***
5. Allen Batteau (Wayne State University, USA) and Rafael Alejandro Perez Chavez (AeroMexico, Mexico), "Technological Peripheralization and the Diffusion of Air Transport"

Session II-C: Airport Performance 2

Chair: Bijan Vasigh, Embry Riddle University, United States

Room: EMBRAER 195 (3rd floor)

1. Ricardo Rodrigues Pacheco and Elton Fernandes, Universidade Estácio de Sá, Brazil, "Impact of Changes in Management Style on the Performance of Brazilian Airports"

2. George Williams (Cranfield University, UK) and Kostas Iatrou (Hellenic Aviation Society, Greece), "New for Old, an Analysis of the Impact of the New Athens and Oslo Airports"
3. Lucia Ribeiro and Claudia Mont'Alvão, Catholic University of Rio de Janeiro, Brazil, "Passenger Terminal and the Efficiency in Boarding, Arrival and Connection Process – an Ergonomic Approach"
4. Anderson Ribeiro Correia (Instituto Tecnológico de Aeronáutica, Brazil) S.C. Wirasinghe and Alexandre de Barros (University of Calgary, Canada), "A New Procedure for Overall Level of Service Data Collection at Airport Passenger Terminals"

Session II-D: Low Cost Airlines 2

Chair: Anming Zhang, University of British Columbia, Canada

Room: EMBRAER 190 (4th floor)

1. Cristina Barbot, CETE/ Faculty of Economics of Porto, Portugal, "How low cost carriers compete amongst themselves and with full service carriers"
2. Anthony Chin, National University of Singapore, Singapore, "Did the LCC cannibalize Full Service Carriers in Asia?"
3. Katsuhiko Yamaguchi, Japan Ministry of Land, Infrastructure and Transport, Japan, "Inter-Regional Air Transport Accessibility and Macro Production Function in Japan" ***
4. Fariba Alamdari and Keith Mason, Cranfield University, UK, "The Future of Airline Distribution" ***

Session II-E: Air Travel Demand 2

Chair: Narjess Teyssier, Airbus, France

Room: EMBRAER 175 (4th floor)

1. Roger Parker (Boeing, USA) and Joan Walker (Boston College, USA), "Latent Variable Analysis of Time of day Air Travel Demand" ***
2. Bryn Battersby (Charles Sturt University, Australia) and Stephane Hess (Imperial College London, UK), "Accounting for seat capacity and availability constraints in modeling air-travel choice behavior" ***
3. Uzi Feinstein and Shlomo Bekhor, Israel Institute of Technology, Israel, "Investigation of passengers' preferences on a short-haul domestic airline route network in the light of current competitive environment"
4. Ryan Leick and Keith Mason, Cranfield University, UK, "Building Airline Passenger Loyalty through an Understanding of Customer Value: a reverse value segmentation of the trans-Atlantic market." ***

TUESDAY, JULY 5, 2005

9:00-10:30 Concurrent Sessions III

Session III-A: Airline Management and Operation 3

Chair: Yeong-Heok Lee, Hankuk Aviation University, Korea

Room: ERJ 145 (2nd floor)

1. William Gibson and Peter Morrell, Cranfield University, UK, "Airline Finance and Aircraft Financial Evaluation: Evidence from the Field" ***
2. Daniel Rodrigues Ribeiro and Lucia Vilela Leite Filgueiras, Universidade de São Paulo, Brazil, "Upgrade of Classic Cockpit Aircraft with Modern Avionics Equipment: a Usability-Based Approach"
3. Peter Meincke, German Aerospace Center, Germany, "Approach to Different Air Freight Market Analysis in Europe" ***
4. Alfonso Herrera Garcia, Bustos Rosales and Francisco Heredia Iturbe, Institute Mexicano de Transporte, Mexico, "A Diagnosis of Air Cargo in Mexico"
5. Olja Vujic, University of Belgrade, Serbia, "Regional Aircraft Investigation by Multiattribute Analyzing Technological and Operational Parameters"

Session III-B: Human Factors Issues 2

Chair: Birgit Kleymann, Université Catholique de Lille, France

Room: EMBRAER 170 (2nd floor)

1. Alain Gras, CETCOPRA, Université de Paris I, France; "Will Air Transportation Survive to the Lack of Fuel? A Socio-anthropological Point of View."
2. Nadine Pilon, EUROCONTROL, France, "Society-Economy-Environment Research Area, Eurocontrol Experimental Centre. "Air Traffic Management and Society: a Socio-economic Research Perspective" ***
3. Christine Fassert, CETCOPRA, Université de Paris I, France, "Transparency on safety: Does Culture Matter? " ***
4. Sophie Poirot Delpech and Laurence Raineau (CETCOPRA), "From the Aeronautical Culture to Safety Culture"

Session III-C: Airport Planning and Operation 1

Chair: Adalberto Febeliano, Brazilian General Aviation Association (ABAG)

Room: EMBRAER 195 (3rd floor)

1. Arkopal Goswami, John Miller and Lester Hoel, University of Virginia & Virginia Transportation Research Council, USA, "Assessing the Feasibility of Passenger Offsite Airport Terminals"

2. Hugo Pietrantonio, Oswaldo Sansone Rodrigues Filho, Nicolau D. Fares Gualda, Universidade de São Paulo, Brazil, "Operational Analysis of the GUARULHOS Airport Apron Service Road System"
3. Debora Silveira, Eunice Horácio de Souza de Barros Teixeira, Juliana Tolfo, and Respicio A. Espirito Santo Jr, Federal University of Rio de Janeiro, Brazil, "New Operations and Regulation for Rio de Janeiro's Santos Dumont and Galeão/Tom Jobim Airports" ***
4. Raik Stolletz, Hannover School of Economics and Management, Germany, " Nonstationary Delay Analysis of Runway Systems with Arrival and Departure Banks"

Session III-D: Low Cost Airlines 3

Chair: Martin Dresner, University of Maryland, United States

Room: EMBRAER 190 (4th floor)

1. Andreas Knorr, German University of Administrative Science, Germany, "The EU Commission's Charleroi Rule – An Economic Analysis" ***
2. Gustavo Andrés Lipovich, Universidad de Buenos Aires, Argentina, "The Crisis of the Sector, Low Fare-Low Cost Airlines and Competitive Airports – the Latin American Situation"
3. Alvaro Costa, Kenneth Button and Carlos Cruz, Universidade do Porto (Portugal) and George Mason University (USA), "The Impact of Low Cost Carriers on the Price Leadership Model in a Small Country"
4. Marcos Ramon Flores Curiel and Protógenes Pires Porto, Venezuela Aerospace Research and Development Center, Venezuela, "Impact on the Air Transport Demand with the Low Cost Air Line Operation on Domestic Aviation in Countries undergoing Development: the case of VENEZUELA"

Session III-E: Air Travel Demand 3

Chair: Roger A. Parker, Boeing, United States

Room: EMBRAER 175 (4th floor)

1. Narjess Teyssier, Airbus, France, "The forecasting value of Consumer Confidence indexes for predicting air travel demand in extraordinary times" ***
2. Ching-Fu Chen and Yu-Hua Hsiao, Nanhua University, Taiwan, "Investigating Structural Relationships between Service Quality, Perceived Value, Satisfaction and Behavioral Intentions for Air Passengers: Evidence from Taiwan"
3. Sharon Sarmiento, Unison-Maximus, USA, "Tweaking the State of the Art: a Hybrid Modeling System for Air Traffic Forecasting" ***
4. Jinn Tsai Wong, National Chiao Tung University, Taiwan, "Neural Network Approach for International Air Passenger Traffic Prediction –A Case of the Taipei-Hong Kong Route "

10:30-11:00 **Coffee-break – Sponsored by the College of Business
at Embry Riddle Aeronautical University**

11:00-12:30 **Concurrent Sessions IV**

Session IV-A: Air Traffic Control: Management and Policy

Chair: Jorge Eduardo Leal Medeiros, University of São Paulo, Brazil

Room: ERJ 145 (2nd floor)

1. Alan Jones and James Guthrie, University of Sydney, Australia, "Governance of Air Navigation Services: an international comparative study"
2. Hans-Peter Spies and Warren Walker, Delft University of Technology, The Netherlands, "A Policy Analysis for ATM Operations in the Netherlands"
3. Daniel Rohacs, University of Sorbonne, France, "Analysis the Impact of a future small aircraft on ATM in Europe"
4. John Griffin, Embry Riddle Aeronautical University, USA, "Preparing the Controllers of Tomorrow"

Session IV-B: Air Transport Safety and Security 2

**Chair: Ronaldo Balassiano, Federal University of Rio de Janeiro,
Brazil**

Room: EMBRAER 170 (2nd floor)

1. Kathleen Sweet, Purdue University, USA, "Air Cargo Security: Trends, Policies and Problem"
2. Cass Howell, Embry Riddle Aeronautical University, USA, "The ICAO Runway Safety Toolkit" ***
3. Kwang Eio Yoo and Youn-Chui Choi, Hankuk Aviation University, Korea, "A study on Enhancement of Effectiveness of Passenger Security Screening"
4. Lucio Flavio Vismari and João Batista Camargo Júnior, Universidade de São Paulo, Brazil, "An Approach to Evaluate the Impact of New Technologies over Aeronautical Safety"

Session IV-C: Airport Planning and Operation 2

**Chair: Dan Petree, Embry-Riddle Aeronautical University, United
States**

Room: EMBRAER 195 (3rd floor)

1. Joel Shon (Tainan Woman's College of Arts and Technology), WeiTai Lai (Chang Jung Christian University), and Jin Long Lu (Wenzao Ursuline College of Languages), Taiwan, "The Application of Discrete /continuous Choice Model on Airport Parking Lot Selection"
2. Reza Hamzaee (Missouri Western State University and Walden University) and Bijan Vasigh (ERAU), USA, "A Collective Airport – Airline Efficiency Strategic Model"
3. Italo Romani Oliveira and Paulo Sergio Cugnasca, Universidade de São Paulo, Brazil, "Arrivals Management Using Anticipated information and Automated FMS RE-Programming"
4. Ronaldo Balassiano, Murillo Ayrton Cubas Jr., and Marcio Peixoto de Sequeira Santos, Federal University of Rio de Janeiro / Varig Airlines, Brazil, "Analysis of the Impacts of Airplane Operations Restrictions: the case of Santos Dumont Airport, Rio de Janeiro"

Session IV-D: Airline Performance 1

Chair: Anthony Chin, National University of Singapore

Room: EMBRAER 190 (4th floor)

1. Antonio Henriques de Araujo Jr. and Reinado Pacheco da Costa, Universidade de São Paulo, Brazil, "Productivity Analysis of the Brazilian Air Transport Industry"
2. Blaise Waguespack, Dawna Rhoades, and Siobhan Tierman, Embry-Riddle Aeronautical University, USA, "Airline Service Quality Performance in the US and EU"
3. Andreas Eichinger, German University of Administrative Sciences, Germany, "On the Senses and Nonsense of Productivity Comparison"

4. Adriana Rossiter, University of Maryland, USA, "The relative effect of resource type on firm performance: a contingency approach" ***
5. Je Chul Kim (Korea Transport Institute), Hun-Koo Ha (Asia Pacific School of Logistics), Yonghwa Park (Inha University), Korea, "Comparative Analysis of Technical Efficiency of Northeast Asia's Major Airline Companies with Stochastic Frontier Approach"

Session IV-E: Air Travel Demand 4

Chair: Stephane Hess, Imperial College London, UK

Room: EMBRAER 175 (4th floor)

1. Dieter Wilken and Marc Gelhausen, German Aerospace Center, Germany, "Airport Choice in Germany – New Empirical Evidence of the German Air Traveler Survey 2003"
2. Lenise Grando Goldner, Nilton Goldner and David Esteche Pedrozo, UFSC, Brazil, "Ground Access Mode Choice for Two Major Airports in Southern Brazil"

3. Hidde Siemonsma and R.J. Verhaeghe, Delft University of Technology, The Netherlands, "Departure-airport choice: development of a micro-simulation model applied to Amsterdam Schiphol Airport"
4. Joyce Hunter, Saint Xavier University, USA, "An Empirical Study of the Effects of Airline Customer Service and Consumer Perception on the Air Rage Phenomenon" ***

13:30-16:30 Conference Lunch

Churrascaria Montana Grill, Av. das Américas, 777 – Barra da Tijuca

Important:

Buses leave the FIRJAN building to the Montana Grill at 12h45.

Buses depart from the Montana Grill at 16h30 to the following hotels: Plaza Copacabana, Excelsior, Miramar/Martinique, and Ipanema Plaza.

W E D N E S D A Y , J U L Y 6 , 2 0 0 5

9:00-10:30 Concurrent Sessions V

Session V-A: Air Traffic Control: Operation

Chair: Claudio Jorge Pinto Alves, ITA, Brazil

Room: ERJ 145 (2nd floor)

1. Erico Santana, Erivelton Pires Guedes, Alexandra Ribeiro Mendes de Almeida, Beatriz Vaz de Melo Mendes, and Milton Valdir de Matos Feitosa, Technology Institute of Aeronautics – ITA , Brazil, "Air Traffic Delay Cost in BRAZIL: a Comparative Study between Statistical and Simulation Models"
2. Manjit Singh and Rodney Fewings, Cranfield University, UK, "Aspects of Cooperation in Air Navigation Services" ***
3. Mauricio de Castro Navarrete and Paulo Sérgio Cugnasca, Universidade de São Paulo, Brazil, "Enhancing Trajectory Prediction in air traffic control systems"
4. Marck da Silva and Adilson Marques da Cunha, Aeronautical Institute of Technology, Brazil, "Requirement Specifications for Brazilian CNS/ATM Environment involving a Data Communication Structure between Air Traffic Control and Aircrafts"

Session V-B: Airport Economics

Chair: Kenneth Button, George Mason University, United States

Room: EMBRAER 170 (2nd floor)

1. Yimin Zhang (International Business School, China) and Anming Zhang (University of British Columbia, Canada) "Airport Pricing and Financing When Carriers have Market Power" ***
2. Eric Pels, Daniel van Vuuren, and Piet Rietveld, Free University Amsterdam, The Netherlands, "Airport Cost Functions"
3. Anming Zhang, University of British Columbia, Canada, "Airport Congestion and Market Structure: the case of Variable Passenger Time Cost" ***
4. Andreas Kraus and Benjamin Koch, Lufthansa Consulting, Germany, "On the Disadvantages and Risks of Turning Airports into Hubs" ***

Session V-C: Airport Planning and Operation 3

Chair: Andreas Knorr, German University of Administrative Science, Germany (to be confirmed)

Room: EMBRAER 195 (3rd floor)

1. Alfonso Herrera Garcia, Instituto Mexicano del Transporte, Mexico, "Simulation of Aeronautical Operations at the International Airport of Mexico City (IAMC)"
2. Nicolau D Fares Gualda, Rui Carlos Botter, Oswaldo Sansone Rodrigues Filho, Universidade de São Paulo, Brazil, "Simulation-based analyses of aircraft passenger bridges installation at são paulo congonghas airport"
3. Adalberto Febeliano da Costa Filho, Dario Rais Lopes, Lígia Maria Soto Urbina, Instituto Tecnológico de Aeronáutica, Brazil, "The Impact of Very Light Jets on Airport and Airspace Capacity: the Brazilian Case"
4. Marcos Romon Flores Curiel and Eustacio Aguilera, Venezuela Aerospace Research and Development Center, Venezuela, "New Large Aircraft Operations at the International Airport of MAIQUETIA, CARACAS" ***

Session V-D: Airline Performance 2

Chair: Ricardo Rodrigues Pacheco, Department of Civil Aviation (DAC), Brazil

Room: EMBRAER 190 (4th floor)

1. Peter Forsyth, Monash University, Australia, "Introduction of the Airbus 380 – Efficient Pricing and Cost Recovery"

2. Sunder Raghavan and Dawna Rhoades, Embry-Riddle Aeronautical University, USA, "Effects of Outsourcing on Air Carrier Profitability and Safety"
3. Richard Gritta, Bahram Adrangi, Jason Goodfriend, University of Portland, USA, "A Review of Air Carrier Bankruptcy Forecasting Methodologies and Directions for Future Research"
4. Vladimir Lima da Silva, Respicio A. Espirito Santo Jr. and Licinio Portugal, Federal University of Rio de Janeiro, Brazil, "Using the Hybrid Financial Statement Analysis Technique to Rate and Monitor Airlines' Financial Status"

Session V-E: Airline Network and Competition 1

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

Room: EMBRAER 175 (4th floor)

1. Jan Christoph Duedden, Lufthansa, Germany, "Consolidation and its Implications for direct long haul travel"
2. Kostas Iatrou (Hellenic Aviation Society, Greece), Konstantinos Kalligiannis, and Keith Mason (Cranfield University, UK), "How do Airlines Perceive that Strategic Airline Alliances Affect Their Individual Branding?"
3. Hannes Gsell, WHU – Otto Beisheim Graduate School of Management, Germany, "Key Success Factors of Airline Mergers"
4. Guillaume Burghouwt and Jan Veldhuis, Amsterdam Aviation Economics, The Netherlands, "Competition between European Airline Hubs"
5. Jin-Ru Yen, Jing-Cing Chen, Dong-Hua Wang, National Taiwan Ocean University, Taiwan, "The Impact of the Open-Sky Policy on Taiwan Domestic Air Transport Market"

10:30-11:00 Coffee-break – Sponsored by Sauder School of Business, The University of British Columbia

11:00-12:30 Concurrent Sessions VI

Session VI-A: Future Perspectives

Chair: Anderson Correia, ITA, Brazil

Room: ERJ 145 (2nd floor)

1. Stephen Eelman, Matthias Meussen, and Axel Becker, Technische Universität München, Germany, "Short Range Market Scenarios for the

- Year 2020: Conclusions for the Competitive Aircraft Situation in the 70 to 140 seater segment”
2. Heinrich Mensen, Jan Schumacher, and Stephan Eelman, University of Applied Sciences, Germany, “Technologies and Advanced Operations to Enhance Capacities throughout the Air Transport System”
 3. Gustavo Flores da Cunha Zanettini, Marcio Peixoto de Sequeira Santos, Respicio A. Espirito Santo Jr, Federal University of Rio de Janeiro, Brazil, “A Cross Impact Scenario Analysis for the Domestic Air Transport Market in Brazil” ***
 4. P. S. Senguttuvan, Airport Authority of India, India, “Market Potential of Air Transport Industry in the Indian Economic Scenario and their role in Global Competition” ***

Session VI-B: Airport Regulation and Privatization

Chair: Katsuhiko Yamaguchi, Civil Aviation Authority, MILT, Japan

Room: EMBRAER 170 (2nd floor)

1. Xiaowen Fu, Mark Lijesen and Tae H Oum, University of British Columbia (Canada) and Netherlands Bureau of Economic Policy Analysis (The Netherlands), “An Analysis of Airport Pricing and Regulation in the Presence of Competition Between Full Service Airlines and Low Cost Carriers”
2. Johannes Fuhr, Lufthansa, Germany, “Vertical Coordination in the Infrastructure Supply Relationship between Airlines and Airports – A Transaction Cost Perspective”
3. Muneki Yokomi, Kansai University, Japan, “Measurement of Malmquist Index of Privatized BAA plc”
4. Oscar Armando Rico Galeana, Instituto Mexicano del Transporte, Mexico, “The New Structure of Mexican Airport System After Privatization”

Session VI-C: Airport Planning and Operation 4

Chair: Fariba Alamdari, Cranfield University, UK

Room: EMBRAER 195 (3rd floor)

1. Kang Bin Lee, Sangji University, Korea, “The Activation Measures of Airport Free Trade Zone for the Building of a Hub of International Logistics”
2. Miriane Sigiliano Frossard (Universidade Federal de Juiz de Fora) and Carla Conceição Lana Fraga (Universidade Estácio de Sá), Brazil, “The Airport Shoppings as a Development Factor of the Tourist Hospitality of a Destination”
3. Sharon Sarmiento, Unison-Maximus, USA, “Applications of Discrete Choice Econometric Modeling in Airport Retail Concessions Planning”
4. Paula Leopoldino de Barros, Eunice Horácio de Souza de Barros Teixeira, Respício Espírito Santo Jr, Federal University of Rio de Janeiro,

Brazil, "A Strategic Approach to the Commercial Side of Rio de Janeiro's Galeão/Tom Jobim International Airport"

Session VI-D: Aviation and Environment

Chair: Raymon Kaduck, Policyshop.com, Canada

Room: EMBRAER 190 (4th floor)

1. Jules Slama and Teo Revoredo, Federal University of Rio de Janeiro, Brazil, "Metrics Comparison and Control Approach in Airport Noise" ***
2. Nicolas Duchene, Ayce Celikel, Ian Fuller, Emanuel Fleuti, Peter Hofmann, ENV-ISA (France), EUROCONTROL (France), Zurich Airport (Switzerland), "Airport Local Air Quality Modelling: Zurich Airport Emission Inventory Using Three Methodologies"
3. Arturo Benito, IBERIA, Spain, "Developing a National Aviation Emissions Inventory for Emissions Trading Application"
4. Roberto Devoto and Nicoletta Rassu, Universita di Cagliari, Italy, "Check and Evaluation of Polluting Elements in the Aeronautical LTO Cycle: the EDMS Model" ***

Session VI-E: Airline Network and Competition 2

Chair: Yimin Zhang, China-Europe Business School, China

Room: EMBRAER 175 (4th floor)

1. Martin Dresner, Christian Hofer and Robert Windle, University of Maryland, USA, "Financial Distress and Hub Premiums"
2. Jens Ruehle, Bjoern Goetsch, and Benjamin Koch, University of Cologne, Germany, "Consequences of Feeder Delays for the Success of A 380 operations"
3. Matthias Finger and Hans Huber, Swiss Federal Institute of Technology, Switzerland, "European Airline Networks – which strategy for Airlines"
4. Nigel Dennis, University of Westminster, UK, "Competition and Change in the Long Haul Markets from Europe"
5. Hidenobu Matsumoto, Kobe University, Japan, "International Air Network Structures, Hubness of World Cities and Effects of New Airports"

12:30-14:30 Lunch (see map for restaurants nearby the FIRJAN)

15:00-16:30 Concurrent Sessions VII

Session VII-A: Air Transport Development

Chair: Marcio Peixoto de Sequeira Santos, Federal University of Rio de Janeiro, Brazil

Room: ERJ 145 (2nd floor)

1. Kang Seok Lee, Yong-Hoon Park, Hong-Ro Lee, and Seung Chang Lee, Hanseo University, Korea, "A Study on the development for an air transportation cultural Index"
2. Jean-Claude Hustache, Ayce Celikel, Nicolas Duchene, Ted Elliff, Nadine Pilon, and Phil Smith, ENV-ISA, EUROCONTROL Experimental Centre, France, "Indicators for the Management of Sustainability in the Air Transport System"
3. Flademir Candido Silva, Universidade de Londrina – Paraná, Brazil, "Air Transport in MERCOSUR"
4. Tomoki Ishikura, Japan Ministry of Land, Infrastructure and Transport, Japan, "Contribution to Productivity of Air Transport and National Economy by Development of Tokyo Int'l Airport"

Session VII-C: Airport Planning and Operation 5

Chair: Japhat Law, Chinese University of Hong Kong

Room: EMBRAER 195 (3rd floor)

1. Maria Lucia Galves and João Alfredo Barcellos, Universidade Estadual de Campinas, Brazil, "Airport and Urban Areas: the Example of CAMPINAS and the VIRACOPOS International Airport"
2. Anderson Ribeiro Correia and Cláudio Jorge Pinto Alves, Instituto Tecnológico de Aeronáutica, Brazil, "Optimal Configuration of Airport Passenger Terminals"
3. Kurt Fuellhart, Shippensburg University, USA, "Airport Catchment & Leakage in a Multi-Airport Region: The Case of Harrisburg International" ***
4. Yonghwa Park, Hun-Koo Ha, and Kichan Park, Inha University, Korea, "Comparison and Evaluation for the Performance of Airport Re-Development Plan" ***

Session VII-D: Air Transport and Economy

Chair: Luis Gustavo Barbosa, Getúlio Vargas Foundation (FGV), Brazil

Room: EMBRAER 190 (4th floor)

1. Sergio de Castro Riberio, Universidade Estácio de Sá, Brazil, "Air Transport as a Tool for International Tourism Development"
2. Peter Forsyth, Monash University, Australia, "Air Transport Liberalisation and Tourism Benefits: The Case of the Australia-US Route"

3. Miriane Sigiliano Frossard (Universidade Federal de Juiz de Fora) and Carla Conceição Lana Fraga (Universidade Estácio de Sá), Brazil, "Airline Catering as Tourism Experience"
4. Guilherme Lohmann (University of Waikato, New Zealand) and Flavio Jose Valente (Catholic University of Minas Gerais at Poços de Caldas), "Tourism as a decision factor in air route planning among Brazilian regional airlines"
5. Fatima Priscila Morela Edra, Márcio Santos, and Respício Espírito Santo Jr., Federal University of Rio de Janeiro, Brazil, "Tourism, a New Vision for the Planning of Air Transport in Brazil" ***

Session VII-E: Regulatory Issues

Chair: Kang Bin Lee, Sangji University, Korea,

Room: EMBRAER 175 (4th floor)

1. Brian Havel, DePaul University College of Law, USA, "Rethinking the GATS as a Pathway to Global Aviation Liberalization"
2. Mattias Finger and Hans Huber, Swiss Federal Institute of Technology, Switzerland, "Governing the European Single Sky" ***
3. Raymon Kaduck and Paul Fitzgerald, Canada, "Towards a North American Free Aviation Area: Assessing the 1995 Canada-US Transborder Air Service Agreement" ***
4. Vasco Reis, Universidade do Porto, Portugal, "The Performance of the European Liberalisation Process: An Evaluation of the Scheduled Air Transportation Market" ***

16:40-18:00 Closing Plenary Session of the ATRS/2005 Conference

Room: EMBRAER 190 (4th floor)

Chair-person: Professor Respicio A. Espirito Santo Jr., Federal University of Rio de Janeiro, Brazil, and 2005 ATRS Conference Chair-Person.

Invitation to the 2006 ATRS World Conference in Nagoya, Japan (25-27 May, 2006) by Professor Tatsuo Ito, President of Nagoya Sangyo University, and Vice Chairman of the 2006 ATRS Conference Organizing Committee, and Mr. Tezuka, Director of Chubu International Airport Research Foundation, Japan ATRS Business Report, by Prof. Tae H. Oum, President of the ATRS

Closing remarks ATRS/2005 Conference, by Professor Respicio A. Espirito Santo Jr., Federal University of Rio de Janeiro, Brazil and the 2005 Conference Chair.

THURSDAY, JULY 7, 2005

EMBRAER TECHNICAL VISITATION – Details will be posted as soon as EMBRAER announces all the details.