

ATRS CONFERENCE OVERVIEW

	Wed, 27 June	Thur, 28 June	Fri, 29 June	Sat, 30 June	
0830 – 0900					
0900 – 0930	<p style="text-align: center;">Workshop of Air Travel Behavior Studies National Cheng Keng University Management School, Room 62X01</p> <p>*Open to all registrants, advance booking via atrstaiwan@hotmail.com</p>	<p>Opening Ceremony Addresses Shangri-la Hotel, 9F Auditorium</p>	<p style="text-align: center;">Concurrent Session 3 Check concurrent session schedule for locations</p>	<p style="text-align: center;">Concurrent Session 7 Check concurrent session schedule for locations</p>	
0930 – 1000		<p>Keynote: Mr. Vijay Poonoosamy</p>			
1000 – 1030		<p>Panel Discussion: The Future of East Asia Aviation Market Shangri-la Hotel 9F Auditorium</p>	<p>Tea Break: sponsored by EVA Airways</p>	<p>Tea Break</p>	
1030 – 1100			<p>Tea Break: sponsored by Taoyuan Airport Company</p>	<p style="text-align: center;">Concurrent Session 4 Check concurrent session schedule for locations</p>	<p style="text-align: center;">Concurrent Session 8 Check concurrent session schedule for locations</p>
1100 – 1130			<p>ACRP Program Introduction: James White, FAA</p>		
1130 – 1200			<p>Airport Awards and Keynote Panel Session Shangri-la Hotel, 9F Auditorium</p>		
1200 – 1230		<p style="text-align: center;">ATRS Network Committee Meeting Shangri-la Hotel, 9F Board Room</p> <p>*By Invitation only</p>		<p>Luncheon Shangri-La Plaza Hotel 3F Sponsored by EVA Airways</p>	<p style="text-align: center;">Closing Ceremony & 2013 ATRS Conference Announcement Shangri-La Hotel, B1 East Gate</p>
1230 – 1300					
1300 – 1330					
1330 – 1400				<p>Luncheon Anping Shanzai Chicken Restaurant *Shuttle buses leave @ 13:30</p>	
1400 – 1430			<p style="text-align: center;">Concurrent Session 1 Check concurrent session schedule for locations</p>	<p style="text-align: center;">Concurrent Session 5 Check concurrent session schedule for locations</p>	
1430 – 1500					
1500 – 1530	<p style="text-align: center;">Airport Benchmarking Taskforce Meeting Shangri-la Hotel, 9F Board Room</p> <p>*By Invitation only</p>		<p>Tea Break: sponsored by EVA Airways</p>	<p style="text-align: center;">Technical Tour - Anping Wetland Excursions *Shuttle buses available</p>	
1530 – 1600		<p>Tea Break</p>			
1600 – 1630			<p style="text-align: center;">Concurrent Session 2 Check concurrent session schedule for locations</p>		<p style="text-align: center;">Concurrent Session 6 Check concurrent session schedule for locations</p>
1630 – 1700					
1700 – 1730					
1730 – 1800					
1800 – 1830	<p style="text-align: center;">Reception Dinner "Ten Drums" Art Park *Shuttle buses leave @ 17:30</p> <p>Sponsored by TransAsia Airways</p>				
1830 – 1900					
1900 – 1930				<p>Gala Dinner Shangri-La Hotel, B2F Ball Room Sponsored by EVA Airways</p>	
1930 – 2000			<p style="text-align: center;">Night Market Excursions Garden Night Market *Shuttle buses leave @ 18:30</p>		
2000 – 2030					
2030 – 2100					

CONFERENCE AGENDA (JUNE 27 – 30)

Registration:

	Wed, 27 June	Thur, 28 June		Fri, 29 June	Sat, 30 June
<i>Time</i>	0900-2100	0800-1300	1300 -1800	0800-2100	0830-1200
<i>Venue</i>	Shangri-la Hotel, Lobby 1F	Shangri-la Hotel, 9F	Shangri-la Hotel, B1F	Shangri-la Hotel, B1F	Shangri-la Hotel, B1F

Spouse Program:

	Weds, 27 June	Thur, 28 June	Fri, 29 June	Sat, 30 June
<i>Morning</i>		Historical sites	Temples	Museum
<i>Afternoon</i>		Department store shopping	Local market shopping	Anping Wetland Excursion

Wednesday, June 27th, 2012

- 09:00 – 12:00 **WORKSHOP OF AIR TRAVEL BEHAVIOR STUDIES**
National Cheng Kung University, Management School, NCKU, Room 62207
- Speaker: **Dr. Stephane Hess**, Institute for Transport Studies, University of Leeds
- 12:00 – 15:00 **ATRS NETWORK COMMITTEE MEETING- BY INVITATION**
Shangri-la Far Eastern Plaza Hotel Tainan 9F Board Room
- 15:00 – 17:00 **AIRPORT BENCHMARKING TASKFORCE MEETING – BY INVITATION**
Shangri-la Far Eastern Plaza Hotel Tainan 9F Board Room
- 18:00 – 20:00 Reception Dinner
"Ten Drums" Art Park
- Shuttle buses depart from Shangri-la Hotel @ 18:00
 - Shuttle Buses depart from "Ten Drums" @ 20:00, 20:15, and 20:30

Thursday, June 28th, 2012

- 09:00 – 09:10 **OPENING CEREMONY ADDRESSES**
Shangri-la Far Eastern Plaza Hotel Tainan 9F Auditorium
- **Prof. Yu-Heng Chang**, 2012 ATRS Organizing Committee Chair, NCKU, Taiwan
 - **Prof. Tae Hoon Oum**, President, ATRS
- 09:10 – 09:30 **KEYNOTE SPEECH**
Shangri-la Far Eastern Plaza Hotel Tainan 9F Auditorium
- **Mr. Vijay Poonosamy**, IATA Vice President International & Public Affairs and Chair – IATA Industry Affairs Committee, and VP Marketing, Etihad Airways.
- 09:30 – 10:30 **PANEL DISCUSSION: THE FUTURE OF EAST ASIA AVIATION MARKET**
Shangri-la Far Eastern Plaza Hotel Tainan 9F Auditorium
- Moderator: **Prof. Stefano Paleari**, Rector, University of Bergamo, Italy
 - Panel List:
 - **Dr. James Jeng**, Chairman, EVA Airways
 - **Mr. Peter Harbison**, Executive Chairman, Centre for Asia Pacific Aviation
 - **Prof. Anming Zhang**, University of British Columbia
 - **Prof. Martin Dresner**, University of Maryland
 - **Prof. Sveinn Gudmundsson**, Toulouse Business School
- 10:30 – 11:00 Tea Break
- 11:00 – 11:15 **ACRP Program Introduction:**
- James White, FAA, Deputy Director, Office of Airport Safety and Standards

CONFERENCE AGENDA (JUNE 27 – 30)

11:15 – 12:45

AIRPORT AWARDS AND KEYNOTE PANEL SESSION:

Shangri-la Far Eastern Plaza Hotel Tainan 9F Auditorium

- Chairperson: **Mr. Mario Diaz**, Director of Aviation and Head, Houston Airports System, USA
- Highlights of the Findings of the 2012 ATRS Global Airport Performance Benchmarking Project
 - **Prof. Tae Hoon Oum**, ATRS President and UPS Foundation Chair Professor, Sauder School of Business, University of British Columbia
- The Airport Performance Excellence Award Presentations:
 - **European Small-Medium Airport Efficiency Excellence Award**
 - Recipient: **Robert Deillon**, Director(Head), Genève Aéroport
 - **European Large Airport Efficiency Excellence Award**
 - Recipient: **Ulv Elbirk**, Senior Route Development Manager, Asia, Africa & Middle East, Copenhagen Airport
 - **Asian Airport Efficiency Excellence Award**
 - Recipient: **Si Chul Sung**, President & CEO, Korea Airports Corporation: Gimpo International Airport
 - **Oceanian Airport Efficiency Excellence Award**
 - Recipient: **David Bell**, Head of Aviation Department, Sydney Airport
 - **Global and North American Efficiency Excellence Award**
 - Recipient: **Balram Bheodari**, Deputy General Manager, Hartsfield-Jackson Atlanta International Airport
- Panel Discussion on the Strategies for Improving Revenue Base, Productivity/Efficiency and Reducing Inputs and Costs:
 - **Robert Deillon**, Director (Head), Genève Aéroport
 - **Ulv Elbirk**, Senior Route Development Manager, Asia, Africa & Middle East, Copenhagen Airport
 - **Tae Yoon Heo**, Vice President /CMO & COO, Korea Airports Corporation
 - **David Bell**, Head of Aviation Department, Sydney Airport
 - **Balram Bheodari**, Deputy General Manager, Hartsfield-Jackson Atlanta International Airport

12:45 – 14:00

Luncheon

Shangri-La Hotel, 3F

14:00 – 15:30

CONCURRENT SESSION 1

15:30 – 16:00

Tea Break

16:00 – 17:30

CONCURRENT SESSION 2

18:30 – 21:00

Night Market Excursions

Flower Night Market

- Shuttle buses leave Shangri-La Hotel @ 18:30, 18:45, 19:00
- Shuttle buses leave Night Market @ 20:00, 20:30, 21:00

Friday, June 29th, 2012

08:30 – 10:00

CONCURRENT SESSION 3

10:00 – 10:30

Tea Break

CONFERENCE AGENDA (JUNE 27 – 30)

- 10:30 – 12:00 **CONCURRENT SESSION 4**
- 12:00 – 14:00 Luncheon
Shangri-La Hotel, 3F
- 14:00 – 15:30 **CONCURRENT SESSION 5**
- 15:30 – 16:00 Tea Break
- 16:00 – 17:30 **CONCURRENT SESSION 6**
- 18:30 – 21:00 Gala Dinner (*sponsored by EVA Airways*)
Shangri-La Hotel, B2F Ball Room – Hosted by Dr. James Jeng, Chairman, EVA Air

Saturday, June 30th, 2012

- 08:30 – 10:00 **CONCURRENT SESSION 7**
- 10:00 – 10:30 Tea Break
- 10:30 – 12:00 **CONCURRENT SESSION 8**
- 12:00 – 13:00 **CLOSING CEREMONY & 2013 ATRS CONFERENCE ANNOUNCEMENT**
Shangri-La Plaza Hotel, B1 East Gate
- Report on the 2012 Conference
 - **Prof. Joel Shon**, Executive, Conference Organizing committee
 - Report on the Publications
 - **Prof. Sveinn Gudmundsson**, VP Publications
 - Appreciation Awards and ATRS Business Report
 - **Prof. Tae Hoon Oum**, President and **Dr. Sam Choo**
 - ATRS Financial Report
 - **Prof. Chunyan Yu**, Director of Research and Coordinator of Programs
 - 2014 ATRS World Conference Sites
 - **Prof. Martin Dresner**, VP Scientific and Programs
 - Looking out for the Future of the ATRS
 - **Prof. Tae Hoon Oum**, President
 - Invitation to the 2013 ATRS World Conference at Bergamo, Italy
 - **Prof. Renato Redondi**, University of Bergamo
 - Other Business
 - Adjournment
- 13:30 – 15:00 Luncheon
Anping Ung Chicken Restaurant
Shuttle buses leaves at 13:30
- 15:00 – 18:00 Anping Wetland Excursions

CONCURRENT SESSION: DETAILED PROGRAM

CONCURRENT SESSION 1 (THURSDAY, JUNE 28, 14:00 – 15:30)

SESSION 1-A: SAFETY AND SECURITY I – EAST GATE, B1F

Chair: Martin Dresner, University of Maryland, USA

- 6 Christian Hofer *University of Arkansas, USA*
Zuozheng Wang, Martin Dresner *University of Maryland, USA*
Financial Condition, Safety Investment and Safety Performance: An Empirical Analysis of the US Airline Industry
- 112 Triant Flouris *Hellenic American University, USA*
John Cox *University of Southern California, USA*
Adapting Rational Costing Methods to Aviation Safety: Using Financial Modeling to Show Value in Safety Processes
- 308 Steven Leib *Purdue University, USA*
Chien-Tsung Lu *Purdue University, USA*
Sun Ruishan *Civil Aviation University of China, China*
Tyler Spence *Purdue University, USA*
Evaluation of Safety Programs at Aviation Organizations in Tianjin, China
- 17 Chien-tsung Lu, Stewart Schreckengast *Purdue University, USA*
Regulatory Compliance: A Case of Airport Safety Management System Using Open Source CMS

SESSION 1-B: AIRLINE MANAGEMENT AND STRATEGY I – WEST GATE, B1F

Chair: Yeong Heok Lee, Korea Aerospace University, Korea

- 14 Andreas Wittmer *University of St. Gallen, Switzerland*
Edward Rowley *MODUL University of Vienna, Austria*
Customer Value of Purchasable Supplementary Services
- 165 Ryan Leick *Utah Valley University, USA*
The Future of Airline Distribution: Implication of Required US Dot Ancillary Fee Disclosures in External Distribution Channels
- 29 Richard Klophaus *Worms University of Applied Sciences, Germany*
Airline Fuel Surcharges: Theory and Practice
- 272 Seung Chang Lee, Moon Sik, Jeong *Korea Aerospace University, Korea*
Sung Hee Chung *Dongguk University, Korea*
A study on online marketing segmentation of air transport products based on internet use orientation

SESSION 1-C: AIRPORT MANAGEMENT AND STRATEGY I – SOUTH GATE, B1F

Chair: Anne Graham, University of Westminster, UK

- 236 Sui-Ling Li, Jun-Hao Chen *National Penghu University of Science and Technology, Taiwan*
Evaluation of the Airport Marketing Actions for Improving the Non-aviation Revenue
- 98 Luis Martín-Domingo, Juan Carlos Martín *University of Las Palmas de Gran Canaria*
Some Stylized Facts of Airport Mobile Internet as an Indication of Innovation
- 264 Andy Lee *University of New South Wales, Australia*
Impact of Airline Alliance Terminal Co-location on Airport Operations
- 130 Stefanie Helm, Florian Rudolph, Beate Urban *German Aerospace Center, Germany*
Integration of landside processes into the concept of total airport management

CONCURRENT SESSION: DETAILED PROGRAM

SESSION 1-D: AVIATION AND ENVIRONMENTS I – NORTH GATE, B1F

Chair: Sveinn Gudmundsson, Toulouse Business School, France

- 12 Peter Forsyth *Monash University, Australia*
Who pays for the European Aviation Emissions Trading Scheme?
- 79 Janina Scheelhaase *German Aerospace Center (DLR), Germany*
How to address aviation's full climate impact best from an economic point of view?
- 233 Tzu-Ying Chen, Rong-Chang Jou *National Chi Nan University, Taiwan*
Chung-Wei Kuo *Aletheia University, Taiwan*
Willingness to pay of air passengers for carbon-offset policy
- 71 Sudisha Chawla, Andol Jayanth Kumar *SRM University, India*
Environmental Issues in Air Transport Industry
- 2 Michael Kreuz *DLR German Aerospace Center, Germany*
Marco Nokkala *VTT Technical Research Center of Finland, Finland*
Costs of extreme weather events on European aviation industry

SESSION 1-E: AIRLINE ECONOMICS I – ANPING, B2F

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

- 3 Cristina Barbot, Carlos F. Alves *Universidade do Porto, Portugal*
Are real call options a strategic tool?
- 8 Hangjun Yang *University of International Business and Economics, China*
Anming Zhang *Sauder School of Business, Canada*
Effects of High-speed Rail and Air Transport Competition on Prices, Profits and Welfare
- 118 Jun Mizutani *Osaka University of Commerce, Japan*
Cost and Network Structure of the Legacy Carriers in Japan
- 164 Andrea Salanti, Paolo Malighetti, Gianmaria Martini *University of Bergamo, Italy*
Renato Redondi *University of Brescia, Italy*
Competitive vs. monopolistic routes: Are fares so different?

SESSION 1-F: AIR CARGO AND LOGISTICS I – FUCHENG, B2F

Chair: Ki-Chan Park, Inha University, Korea

- 201 Mathieu Strale *Université Libre de Bruxelles, Belgium*
David Bonilla *University of Oxford, UK*
New logistics trends and the airfreight industry: evidence from Northwest Europe
- 270 Ming-Cheng Wu, Chih-Chiang Chen *R.O.C. Air Force Academy, Taiwan*
The triangle relationship of air cargo markets between Taiwan, China and Hong Kong: Potential demands and interactive implications with unbalanced air service models
- 294 Kim Tae Seung, Jung Yoon-Dong *Inha University, Korean Air*
The Effect of Oil Prices on the Demand of Air Cargo Transportation; A Case Study of Korean Air Cargo Market
- 127 Jung Kyu Choi, Cheng-Lung Wu *University of New South Wales, Australia*
The Effects of Choice Behaviour on Business Partnership Formation in the Emerging Airfreight Business Structure

CONCURRENT SESSION: DETAILED PROGRAM

CONCURRENT SESSION 2 (THURSDAY, JUNE 28, 16:00 – 17:30)

SESSION 2-A: SAFETY AND SECURITY II – EAST GATE, B1F

Chair: Sway Chang, China University of Science and Technology, Taiwan

- 159 Paola Di Mascio, Michele Di Vito, Francesco Masucci *University of Rome, Italy*
Probabilistic Distribution of Take-off Accidents Around Airports
- 53 Amila Silva, Alex de Barros *University of Calgary, Canada*
Quantitative Risk Based Analysis of Aerodrome Obstacle Limitation Surfaces
- 24 J. Bryan Burrows-McElwain *University of Maryland Eastern Shore, USA*
The first slice of cheese. A discussion of social factors affecting organizational leadership in the aviation industry and their potential influence(s) on safety

SESSION 2-B: AIRLINE MANAGEMENT AND STRATEGY II – WEST GATE, B1F

Chair: Robert Windle, University of Maryland, USA

- 248 Li Zou, Chunyan Yu *Embry-Riddle Aeronautical University, USA*
Martin Dresner *University of Maryland, USA*
Fleet Standardization and Airline Performance
- 253 Zeliha Akca, Omer Saka, Cengiz Polat *Turkish Airlines, Turkey*
Aircraft life cycle costing to determine the operation and acquisition strategies
- 215 Tobias Döring, Anette von Ahsen, Uwe Klingauf *Technical University Darmstadt, Germany*
A quantitative analysis of technical and operational levers on fuel efficiency
- 81 Michael Roskopf *German Aerospace Center (DLR), Germany*
Balancing Economic and Environmental Goals in Airline Fleet Planning: A Multi-Objective Optimization Approach

SESSION 2-C: AIRPORT MANAGEMENT AND STRATEGY II – SOUTH GATE, B1F

Chair: Perry Miller, Houston Hobby Airport, USA

- 99 Sui-Ling Li *National Penghu University of Science and Technology, Taiwan*
The Cost Allocation Approach of Airport Service Activities
- 67 Tomoki Ishikura *Tokyo Metropolitan University, Japan*
Dynamic Airport Investment Game - Competition or Free-riding
- 78 Syazwani Sahrir, Syahriah Bachok, Mariana Mohamed Osman *International Islamic University, Malaysia*
Airport Expansion: The Malaysian Experience of KLIA2
- 290 Xavier Fageda, Augusto Voltes-Dorta *Universitat de Barcelona, Spain*
An investigation on small airport profitability: The Spanish Case

SESSION 2-D: AVIATION AND ENVIRONMENTS II – NORTH GATE, B1F

Chair: Peter Forsyth, Monash University, Australia

- 315 Sveinn Gudmundsson *Toulouse Business School, France*
Annela Anger *University of Cambridge, UK*

CONCURRENT SESSION: DETAILED PROGRAM

Meta-Analysis of Carbon Dioxide Emissions Studies for Aviation

- 249 Voula Psaraki, Ioanna Pagoni *National Technical University of Athens, Greece*
Becky P.Y. Loo, Linna Li *University of Hong Kong, Hong Kong*
Estimation of airspace-based carbon emissions: preliminary analysis of Greek and South China airspaces
- 176 Yuh-Horng Wen *Tamkang University, Taiwan*
Airline Network Modeling and Adjustment in Response to EU Airline Emissions Charges
- 5 H.G. Vissier, S. Hartjes
Economic and Environmental Optimization of Flight Trajectories Connecting a City-Pair
- 239 Alexander Koch, Katrin Dahlmann, Florian Linke, Volker Grewe, Markus Litz, Martin Plohr, Björn Nagel, Volker Gollnick Ulrich Schumann *German Aerospace Centre (DLR), Germany*
Studies on the climate impact reduction potential of aircraft operation on lower cruise altitudes and speeds, An integrated cost-benefit assessment applying the CATS simulation approach

SESSION 2-E: AIRLINE ECONOMICS II – ANPING, B2F

Chair: Cristina Barbot, University of Porto, Portugal

- 39 Zhang Yimin *China Europe International Business School, China*
Ming Hsin Lin *Osaka University of Economics, Japan*
Airline Scheduling and Congestion Charges
- 300 Kun Wang, Xiaowen Fu *Hong Kong Polytechnic University, Hong Kong*
Xingli Fan *Civil Aviation Administration of China, China*
Choices of Flight Frequency and Aircraft Size in China's Domestic Routes with increasing air travel demand and changing competition structure
- 182 Yu-Chiun Chiou, Barbara T.H. Yen, Chih-Wei Hsieh *National Chiao Tung University, Taiwan*
Modeling airline competition in an airfare regulated domestic market
- 114 Zheng Xingwu, Lu Wei *Civil Aviation University of China, China*
Is the Unbalance of Geographic Distribution of Air Transportation in Mainland China Real Unbalance?

SESSION 2-F: AIR CARGO AND LOGISTICS II – FUCHENG, B2F

Chair: Peter A. Meincke, German Aerospace Center, Germany

- 148 Franziska Kupfer, Roselinde Kessels, Peter Goos, Eddy Van de Voorde, Ann Verhetsel *University of Antwerp, Belgium*
Explaining the Airport Choice for Freighter Operations in Europe with Stated Preference Analysis
- 283 Seock-Jin Hong *Bordeaux Management School, France*
Measuring Efficiency of Major Airlines Focus on Cargo throughput - An Application of Super-efficiency and Tobit Analysis
- 54 Aaron Scholz, Li Zhang *Karlsruhe Institute of Technology, Germany*
Florian Gizzi, Klaus Jäkel *Berlin Institute of Technology, Germany*
Risk management in the European air freight system, an institutional economic approach
- 72 Wouter Dewulf, Hilde Meersman, Eddy Van de Voorde *University of Antwerp, Belgium*
From carpet sellers to cargo stars. An analysis of management strategies of air cargo carriers

CONCURRENT SESSION: DETAILED PROGRAM

CONCURRENT SESSION 3 (FRIDAY, JUNE 29, 08:30 – 10:00)

SESSION 3-A: SAFETY AND SECURITY III – EAST GATE, B1F

Chair: Ching Fu Chen, National Cheng Kung University, Taiwan

- 177 Perry J. Miller *William P. Hobby Airport, USA*
Security Screening Checkpoint Wait Times: An analysis of the average peak wait times at William P. Hobby Airport
- 244 Sebastian Kellner *RWTH Aachen University, Germany*
Validation of Generic Airport Models – The Case of Security
- 94 Christer J Wilkinson *AECOM Technology Corporation, USA*
Airport Staff Access Control: An assessment ten years after 9/11
- 23 Veit Voges, Gerhard Huttig, and Uwe Weigmann *Berlin Institute of Technology (TUB), Germany*
Passenger acceptance of wireless communication technologies in air transport processes: nice to have or essential to fly?

SESSION 3-B: CONSUMER PROTECTION IN AVIATION – WEST GATE, B1F

Chair: Wen-Chien Yeh, Kainan University, Taiwan

- 36 Paul Hooper *University of New South Wales, Australia*
Consumer protection in a globalized aviation industry
- 108 Andreas Knorr *German University of Administrative Sciences Speyer, Germany*
Antitrust and Consumer Protection Issues of Fuel Surcharges
- 256 Blaise P. Waguespack *Embry-Riddle Aeronautical University, USA*
A Longitudinal Exploration of Cancellations, Departures and the Tarmac Rule
- 284 Daniel Friedenzohn *Embry-Riddle Aeronautical University, USA*
Saving the Airline Industry from Itself: An Analysis of the United States Department of Transportation's Regulations Addressing Various Service Deficiencies in the Much Beloved Deregulated Airline Industry

SESSION 3-C: AIRPORT MANAGEMENT AND STRATEGY III – SOUTH GATE, B1F

Chair: Rico Merkert, University of Sydney, Australia

- 125 Nobuo Akai, Munekatsu Usami *Osaka University, Japan*
Empirical Analysis for Passengers' Airport Choice in Multi-Airport Region: Greater Osaka - Kansai, Itami and Kobe in Japan
- 292 Sharon Sarmiento *Unison Consulting, Inc., USA*
Forecasting Air Transport Demand for a New Airport in a Multi-Airport Region
- 120 Chih-Wen Yang, Chun-Yen Hsu *National Taichung University of Science and Technology, Taiwan*
Jin-Long Lu *Chang Jung Christian University, Taiwan*
Modelling Airport Choice Behaviour for Cross-Strait Direct Flight
- 70 Paulo Tsai Wang *INFRAERO – Brazilian Airports, Brazil*
Peak hour equivalency applied to current Brazilian methods to manage existing infrastructure and to plan future airport expansions

CONCURRENT SESSION: DETAILED PROGRAM

SESSION 3-D: AVIATION AND ENVIRONMENTS III – NORTH GATE, B1F

Chair: James White, Federal Aviation Administration, USA

- 190 Phun Veng Kheang, Terumitsu Hirata, Tetsuo Yai *Tokyo Institute of Technology, Japan*
Junro Terada *East Nippon Expressway Company Limited (NEXCO), Japan*
Aircraft Noise Sensitivity Analysis for Urban Airport: An Application of Prospect Theory based on Headphone Experiment
- 89 Frank Fichert *Worms University, Germany*
Effectiveness and Efficiency of Noise Surcharges at European Airports
- 136 Ali Mansour Khaki, Amir Esmael Forouhid *Iran University of Science and Technology, Iran*
Mahdi Yazdan Panah *Islamic Azad University, Iran*
Noise pollution associated with the operations of the IKIA Airport
- 262 Ernesto Abaya, Roel Jayr Liles, Ricardo Sigua, Karl Vergel *University of the Philippines Diliman, Philippines*
Aircraft Noise Levels in the Vicinity of Ninoy Aquino International Airport (Runway 06/24 and 13/31)

SESSION 3-E: AIRLINE ECONOMICS III – ANPING, B2F

Chair: Anming Zhang, University of British Columbia, Canada

- 185 Kuancheng Huang, Chia-Yi Lin *National Chiao Tung University, Taiwan*
Simulation analysis for the re-solving issue of the network revenue management problem
- 211 Arno Apffelstaedt *German Aerospace Centre (DLR), Germany*
Vertical product differentiation and airline schedules
- 51 Andreas Lueg-Arndt *Cologne Business School, Germany*
Boris Beimann *Rheinisch-westfälisches Institut für Wirtschaftsforschung (RWI), Germany*
The incidence of direct ticket charges on air fares – The German Air Tax
- 116 Ren Xinhui *Civil Aviation University of China, China*
A Study of Western Hub Airport of China Based on Social Network Analysis

SESSION 3-F: AIR CARGO AND LOGISTICS III – FUCHENG, B2F

Chair: Seock-Jin Hong, Bordeaux Management School, France

- 86 Evy Onghena, Hilde Meersman Eddy Van de Voorde *University of Antwerp, Belgium*
A translog cost function estimation of the integrator business: A comparison between FedEx and UPS
- 38 Florian M. Heinitz *FH Erfurt University of Applied Sciences, Germany*
Peter A. Meincke *DLR German Aerospace Center, Germany*
Air Cargo Commodity Flow Assignment to Timeline Networks
- 288 Munmun Basak *GE Energy Services, Australia*
Martin West *Curtin University of Technology, Australia*
SPS Narang *University of Petroleum and Energy Studies, India*
Forecasting air cargo demand in India

CONCURRENT SESSION: DETAILED PROGRAM

CONCURRENT SESSION 4 (FRIDAY, JUNE 29, 10:30 – 12:00)

SESSION 4-A: SAFETY AND SECURITY IV – EAST GATE, B1F

Chair: Raymon Kaduck, Canada Transportation Agency, Canada

- 27 Shu-Chuan Chen *Aletheia University, Taiwan*
Ching-fu Chen *National Cheng Kung University, Taiwan*
The impact of safety management system, morality leadership and self efficacy on pilots' safety behavior
- 237 Jin-Ru Yen, Kung-Don Ye, Yao-Feng Wang, Chi-Hung Evelyn Wu, *National Taiwan Ocean University, Taiwan*
Yu-Chun Chang
Isaac I. C. Chen, Kai-Kuo Chang, Shih-Hsiang Yu *Institute of Transportation, Taiwan*
Hero Ho, Yun-Ling Lee *China Airlines, Taiwan*
An empirical study about abnormal cabin incidents in Taiwanese airlines
- 16 Peter Bruce, Yi Gao, David Newman, Chrystal B. Zhang *Swinburne University of Technology, Australia*
A Study of Safety Climate of the Flight Crew of a Commercial Airline
- 191 Hamidreza Bahramian, Khalil Zamani *Transportation Research Institute, Iran*
Roadmap for Implementation of Performance Based Navigation (PBN) in Iran

SESSION 4-B: AIRLINE MANAGEMENT AND STRATEGY III – WEST GATE, B1F

Chair: Cheng-Lung Wu, University of New South Wales, Australia

- 133 Nicole Adler *Hebrew University of Jerusalem, Israel & University of British Columbia, Canada*
Gianmaria Martini, Nicola Volta *Università degli Studi di Bergamo, Italy*
Moving towards a greener fleet: A DEA estimation of the aircraft environmental production frontier
- 274 Atsushi Osanai, Ryuichi Nakamoto *Waseda University, Japan*
Integration of Product Concept and Service Concept: ANA's Contributions and New Strategy for the Boeing 787 Dreamliner
- 153 Petar Mirosavljevic, Slobodan Gvozdenovic *University of Belgrade, Serbia*
Aircraft Engine-Airframe Match for Minimum Climb Flight Phase Pollution
- 100 Grazielle de Oliveira Netto Fiebig, Anderson Ribeiro Correia *Instituto Tecnológico de Aeronautica, Brazil*
Critical Success Factors in Kaizens with Multidisciplinary Teams – Case Study

SESSION 4-C: AIRPORT ECONOMICS – SOUTH GATE, B1F

Chair: Katsuya Hihara, University of Tokyo, Japan

- 255 Rico Merkert *University of Sydney Business School, Australia*
Luca Mangia *Go-Mobility, Italy*
Cost efficiency analysis of Italian and Norwegian airports – A matter of management or of the level of competition in remote regions?
- 304 Anthony Chin *National University of Singapore, Singapore*
Airport revenue management: Does size matter?
- 10 Margaret Arblaster *Former GM of the Australian Competition and Consumer Commission (ACCC), Australia*

CONCURRENT SESSION: DETAILED PROGRAM

The Design of Light-handed Regulation of Airports: Lessons from Experience in Australia and New Zealand

- 192 Roberto Devoto, Nicoletta Rassu *University of Cagliari, Italy*
Airport charges regulation: a model for tariff calculation
- 157 Donald C. Arthur, Sharon Sarmiento *Unison Consulting, Inc., USA*
Airline Rate-Setting at U.S. Airports
- 316 Choo, Yap Yin *Sauder School of Business, Canada*
Factors Affecting Airport Pricing in North America

SESSION 4-D: AIRLINE/AIRPORT MARKETING – NORTH GATE, B1F

Chair: Blaise Waguespack, Embry Riddle Aeronautical University, USA

- 198 Yueh-Ling Hsu, Kuo-Kang Shu *Kainan University, Taiwan*
Exploring the intention to use airlines' social-media platform
- 302 Efsthios Kefallonitis *Branding.Aero LLC, USA*
Nergis Aziz, Barry A. Friedman *State University of New York at Oswego, USA*
Airline Sensory Branding and Country of Origin
- 266 Efsthios Kefallonitis *Branding.Aero LLC, USA*
Karim Ayari *State University of New York at Oswego, USA*
Airline Brand Repositioning: An Exploratory Study
- 30 Shih-Yao Kuo, Shu-Chuan Chen *Aletheia University, Taiwan*
Causal Modeling of Air Passenger Decision-Making by DEMATEL and SEM
- 43 Uttam Kumar Regmi, Nigel Halpern *Molde University College, Norway*
Content analysis of web-based information provided by European airports

SESSION 4-E: AIRLINE PERFORMANCE – ANPING, B2F

Chair: Ian Douglas, University of New South Wales, Australia

- 183 Chung-Wei Kuo *Aletheia University, Taiwan*
Rong-Chang Jou *National Taiwan University, Taiwan*
Mei-Ling Tang *Chienkuo Technology University, Taiwan*
Asymmetric response model for evaluating airline service quality: An empirical study in cross-strait direct flights
- 320 Kun Wang, Xingli Fan *Hong Kong Polytechnic University, Hong Kong*
Xiaowen Fu *Academy of Civil Aviation Science and Technology of China, China*
Yiran Zhou *Peking University, China*
Benchmarking Chinese Airlines' Performances - An Investigation on Productivity, Yield and Cost Competitiveness
- 35 James J.H. Liou *National Taipei University of Technology, Taiwan*
Chao-Che Hsu *Tamkang University, Taiwan*
Wen Chien Yeh *Kainan University, Taiwan*
Improving airline service quality based on rough set theory and flow graphs
- 56 Baek-Jae Kim, Kwang-Eui Yoo, Sae-Yeon Jung *Korea Aerospace University, Korea*
Changes of Airlines Profit Structure and Network Operation Influenced by Internalization of External Costs

CONCURRENT SESSION: DETAILED PROGRAM

SESSION 4-F: DEREGULATION AND OPEN SKIES I – FUCHENG, B2F

Chair: Gianmaria Martini, University of Bergamo, Italy

- 119 Paolo Malighetti, Valentina Morandi, Stefano Paleari *University of Bergamo, Italy*
Renato Redondi *University of Brescia, Italy*
EU-US Open Skies Agreement: What is changed in the North Transatlantic Skies?
- 297 Tomoki Ishikura *Tokyo Metropolitan University, Japan*
Shinya Hanaoka, Batari Saraswati *Tokyo Institute of Technology, Japan*
Mikio Takebayashi *Kobe University, Japan*
Impact of ASEAN Single Aviation Market: Competition between Low-Cost Carriers and Network Carriers
- 52 Chrystal Zhang *Swinburne University of Technology, Australia*
Lei Zheng *Cranfield University, UK*
Impact of bilateral liberalizations among Northeast Asian countries on China's air transport Policy
- 9 Jian-yu Ke, Robert Windle *University of Maryland, USA*
The On-going Impact of the U.S.-China Air Services Agreements
- 172 Wei Lu, Xingwu Zheng *Civil Aviation University of China, China*
An Analysis of Passenger Losses in China-US Air Market

CONCURRENT SESSION 5 (FRIDAY, JUNE 29, 14:00 – 15:30)

SESSION 5-A:

No Session

SESSION 5-B: AIRLINE MANAGEMENT AND STRATEGY IV – WEST GATE, B1F

Chair: Chris Lin, National Taiwan University, Taiwan

- 58 Sujith Nair, Raul Pulido Martinez, Miguel Palacios, Javier Tafur *Technical University of Madrid (UPM), Spain*
The notion of subjectivity in airline business model transformations
- 129 James Pearson *Cranfield University, UK*
Rico Merkert *University of Sydney Business School, Sydney*
Airlines-within-airlines – Revisiting the business model based on recent developments
- 90 Sisay Asefa, Allen Batteau, *Western Michigan University, USA*
Lisa Whittaker *Wayne State University, USA*
Jing Hung-Sying *National Cheng Kung University, Taiwan*
Sustainability of Expansion in an African Airline
- 210 P Fleurquin, J J. Ramasco, V M. Eguiluz *Institute for Cross-Disciplinary Physics and Complex Systems, Spain*
Characterization of Delay Propagation in the Airport Network

SESSION 5-C: AIRPORT DEMAND MANAGEMENT – SOUTH GATE, B1F

Chair: Wolfgang Grimme, German Aerospace Center, Germany

- 218 Yeong Heok Lee *Korea Aerospace University, Korea*
Jin Seo Park *Korea Transport Institute, Korea*
A Dynamic Analysis of International Air Transportation Market Demand and Airport Capacity
- 96 Patrick Miller, Alex de Barros *University of Calgary, Canada*

CONCURRENT SESSION: DETAILED PROGRAM

Airport Demand Management – a potential fix for growing delay?

- 121 Hideki Fukui *Ehime University, Japan*
Does legitimization of secondary slot trading improve capacity usage at EU airports?
- 174 Koki Nagata *University of Maryland, USA*
Slot allocation and public policy implications
- 269 Bijan Vasigh, Chunyan Yu *Embry-Riddle Aeronautical University, USA*
Value of Slots at London Heathrow Airport

SESSION 5-D: AVIATION AND ECONOMY I – NORTH GATE, B1F

Chair: Paul Hooper, Department of Transport, UAE

- 229 Wolfgang Grimme, Sven Maertens, Hermann Keimel *German Aerospace Center (DLR), Germany*
The economic impact of Emirates Airline's flights to Germany
- 259 Ana Luiza Andrade Novo, Nissia Carvalho Rosa Bergiante, Paula Silva Guimaraes *Fluminense Federal University, Brazil*
Evaluation of the efficiency of airports in the host cities of the Olympic Games
- 152 Florian Allroggen, Raimund Scheffler, Robert Malina *Muenster University, Germany*
The effects of air transport on the level of productive capacity and its utilization: Empirical evidence from Germany
- 299 Rentao Maia, Marcio de Sequeira Santos, Respicio Espirito Santo Jr. *Federal University of Rio de Janeiro, Brazil*
Air Transport Developments in Bric Countries: An Overview

SESSION 5-E: NETWORK DEVELOPMENT – ANPING, B2F

Chair: Mikio Takebayashi, Kobe University, Japan

- 147 Renato Redondi *University of Brescia, Italy*
Paolo Malighetti, Stefano Paleari *University of Bergamo, Italy*
European Connectivity: the Role Played by Small Airports
- 26 Kevin O'Connor *University of Melbourne, Australia*
Kurt Fuellhart *Shippensburg University, USA*
Recent change in Australian air services: evidence of geographical inertia
- 234 Patrick Baumgarten, Robert Malina, Anne Lange *University of Muenster, Germany*
Determinants of air traffic delays – Empirical evidence on the influence of airlines' network structure
- 261 Axel Budde, Guillaume Burghouwt, Jaap de Wit *University of Amsterdam, Netherlands*
Analysing indirect temporal connectivity in the Southwest/Airtran network with a pattern recognition algorithm

SESSION 5-F: DEREGULATION AND OPEN SKIES II – FUCHENG, B2F

Chair: Cherry Lyn Rodolfo, University of Asia and the Pacific, Philippines

- 87 Melanie Murphy, Sven Maertens, Wolfgang Grimme *German Aerospace Center (DLR), Germany*
Much ado about nothing? The impact of new horizontal air transport agreements between Europe and third countries on actual air traffic volumes
- 77 Chuntao Wu, Yoshitsugu Hayashi *Nagoya University, Japan*

CONCURRENT SESSION: DETAILED PROGRAM

The impacts of aviation deregulation on charter market operation in Japan: airlines and airports

240 Chiu-Hua (Jeff) Chang, Yun-Fang Hsiao *National Taiwan Ocean University, Taiwan*

The Impacts and Challenges of Deregulations in Taiwan

277 Hamidreza Bahramian, Khalil Zamani *Transportation Research Institute, Iran*

Recommendations for Separation of Regulatory and Operational Activities in Iranian Civil Aviation

180 Kamarah Scott, Fengxiang Qiao *Texas Southern University, USA*

An assessment of the ramifications of the open skies agreement on developing countries

CONCURRENT SESSION 6 (FRIDAY, JUNE 29, 16:00 – 17:30)

SESSION 6-A: HUMAN FACTORS – EAST GATE, B1F

Chair: Victor Ujimoto, University of Guelph, Canada

146 Jin-Ru Yen, *National Taiwan Ocean University, Taiwan*
Chung-Yu Wang, Hero Ho *China Airlines, Taiwan*
Wen-Ling Tsai *Shih Chien University, Taiwan*

Modeling the oral communications performance of air traffic control

28 Zhuang Damin, Wei Zongmin, Wanyan Xiaoru, Wei Hengyang *Beijing University of Aeronautics and Astronautics, China*

Prediction and analysis of the causes of human errors in the aircraft cockpit

105 Yifan Qiu, Bo Lin *Massey University, New Zealand*

A Specific Study of Sleep Pattern Disruption for Flight Attendants on Asia –Pacific Route

307 Bijan Vasigh, Javad Gorjidoz *Embry-Riddle Aeronautical University, USA*

Commercial Pilot Shortages and the Impacts on Pilot Training Programs

SESSION 6-B: AIRLINE OPERATION – WEST GATE, B1F

Chair: Iris Hsu, Kainan University, Taiwan

18 Tay-Lin Hwang, and Yi-Chin Tsai *Chang Jung Christian University, Taiwan*
Chi-Ruey Jeng *Shu-Te University, Taiwan*

The Study on Cabin Crew Scheduling Problems

222 Florian Linke, Stephan Langhans *German Aerospace Centre (DLR), Germany*

Studies on the potential of intermediate stop operations for today's airlines

257 Christian Stegner *Brandenburg University of Technology, Germany*

Measuring the performance of irregularity management at airports

204 Jinn-Tsai Wong *National Chiao Tung University, Taiwan*
Shy-Chang Tsai *China University of Science and Technology, Taiwan*

Flight delay improvement scheme evaluation

134 Ružica Vujašinić *German Aerospace Center (DLR), Germany*

Volcanic Ash Events: Solving old problem in a new way

SESSION 6-C: AIRPORT PERFORMANCE – SOUTH GATE, B1F

Chair: Shinya Hanaoka, Tokyo Institute of Technology, Japan

21 Anne Graham *University of Westminster, UK*
Hans-Arthur Vogel *International University of Applied Sciences Bad Honnef-Bonn, Germany*

CONCURRENT SESSION: DETAILED PROGRAM

Airport Typologies for Performance Assessment

- 113 Po-Lin Lai, Andrew Potter, Malcolm Beynon *Cardiff University, UK*
Evaluating performance of airport using integrated DEA-AHP Technique
- 55 Davide Scotti, Gianmaria Martini *University of Bergamo, Italy*
Martin Dresner *University of Maryland, USA*
Chunyan Yu *Embry Riddle Aeronautical University, USA*
Incorporating Negative Externalities Into Productivity Assessments of US Airports
- 144 Sérgio Domingues *University of Antwerp, Belgium*
Exploratory analysis on LCC potential to influence airport efficiency
- 254 Zeliha Akca, Omer Saka *Turkish Airlines, Turkey*
Measuring Efficiency of Stations in an Airline Network: An Application of Data Envelopment Analysis

SESSION 6-D: AVIATION AND ECONOMY II – NORTH GATE, B1F

Chair: Jin-Ru Yen, National Taiwan Ocean University, Taiwan

- 247 Jocelyne Napoli *University of Toulouse III, France*
Air Transport & Tourism: The contribution of low cost carriers
- 317 Maria Cherry Lyn S. Salazar-Rodolfo *University of Asia and the Pacific, Philippines*
Enhancing Tourism and Air Connectivity in the Asia-Pacific Region
- 142 Tay T.R. Koo, Wen-Chun Tseng, Cheng-Lung (Richard) Wu *University of New South Wales, Australia*
JW Park *Korea Aerospace University, Korea*
The effect of inbound itinerary on the dispersal of international visitors in Australia: A case of the dispersal of Korean visitors
- 31 Nadine Itani, Frankie O'Connell, Zheng Lei, Keith Mason *Cranfield University, UK*
The Global Competitiveness of the National Air Transport Sector

SESSION 6-E: HIGH SPEED RAIL AND AIRLINES – ANPING, B2F

Chair: Ken Button, George Mason University, USA

- 313 Changmin Jiang, Anming Zhang *Sauder School of Business, Canada*
The Effects of High-speed Rail and Air Transport Cooperation under Airport Capacity Constraint
- 143 Mikio Takebayashi *Kobe University, Japan*
The future relations between air and railway transport in the island country
- 139 Chi-Ruey Jeng *Shu-Te University, Taiwan*
Chao-Hsu Su *National Kaohsiung University of Hospitality and Tourism, Taiwan*
Competition between High-speed Rail and Air Transport
- 178 Lee Joon-Kyu, Yoo Kwang-Eui *Korea Aerospace University, Korea*
A Study on the Effect of High-speed Railway Launch to the Air Passengers' Mode Choice Behavior - Focus on Seoul and Jeju line

SESSION 6-F: LOW COST CARRIERS I – FUCHENG, B2F

Chair: Christian Hofer, University of Arkansas, USA

- 4 Frederic Dobruszkes *Oxford University, UK*
The geography of European low-cost airline networks: An updated analysis

CONCURRENT SESSION: DETAILED PROGRAM

- 11 Lay-Eng Teoh & Hooi-Ling Khoo *Universiti Tunku Abdul Rahman, Malaysia*
Impacts of Budget Airlines in Modelling the Mode Choice of Leisure Travellers: A Case Study of Klang Valley, Malaysia
- 242 Yahua Zhang *University of Southern Queensland, Australia*
Low cost carriers in China
- 214 Peter Berster, Marc Gelhausen, and Dieter Wilken *German Aerospace Center (DLR), Germany*
Network extension and demand generation of low cost carriers in North America, Europe, and Asia
- 219 Park Jin Seo, Kim Jae Chul *Korea Transport Institute, Korea*
An Empirical Analysis of Entry of New LCCs in the Korean Airline Industry

CONCURRENT SESSION 7 (SATURDAY, JUNE 30, 08:30 – 10:00)

SESSION 7-A: AIR TRAVEL DEMAND I – EAST GATE, B1F

Chair: Jin Long Lu, Chang Jung Christian University, Taiwan

- 73 Se-Yeon Jung, Kwang-Eui Yoo, Baek-Jae Kim *Korea Aerospace University, Korea*
Passengers' Airline Choice Behavior for Domestic Short-haul Travels in South Korea
- 82 Daniel Sallier *Aéroports de Paris, France*
Trip time difference and share of the passenger demand on a city pair
- 209 Chiu-Hua (Jeff) Chang, Yang Li Ling, Chuang Yu Ching, Chen Wei Yu, *Taipei College of Maritime Technology*
Chang Ching Ching
The Attractions of EVA Hello Kitty Flight
- 310 Yao Jinjin, *China Academy of Civil Aviation*
Yu Haiyang, *Science & Technology*
Anwar Zubair *International Civil Aviation*
Organization (ICAO)
FORECASTING METHODS AND ICAO'S VISION OF WORLD AIR TRAFFIC FOR 2011-2030

SESSION 7-B: MERGERS AND ALLIANCES I – WEST GATE, B1F

Chair: Fang-Yuan Chen, Feng Chia University, Taiwan

- 57 Wilfred Manuela *Ateneo de Manila University, Philippines*
Dawna L Rhoades *Embry-Riddle Aeronautical University, USA*
The impact of airline mergers on shareholder wealth
- 194 Naoshi Doi, Hiroshi Ohashi *University of Tokyo, Japan*
Capacity Constraint and Horizontal Merger: Evidence from an Airline Merger in Japan
- 286 Dimitar M. Dimitrov *Hitotsubashi University, Japan*
Growth strategies of the airlines in the Middle East – Generic growth, Alliance membership, Airline Acquisitions or all of them combined
- 160 Claude Menard and Gézia Damergy *University of Paris (Panthéon-Sorbonne), France*
Hybrids within hybrids: A puzzling issue

SESSION 7-C: AIRPORT PRIVATIZATION AND COMMERCIALIZATION- SOUTH GATE, B1F

Chair: Chunyan Yu, Embry Riddle Aeronautical University, USA

CONCURRENT SESSION: DETAILED PROGRAM

- 50 Shinichi Saito *University of Shimane, Japan*
Munenori Nomura *Kwansei Gakuin University, Japan*
Anne Graham *University of Westminster, UK*
Airport management in Japan – Lessons learnt from the UK
- 97 Triant Flouris, Konstantinos Kalligiannis *Hellenic American University, USA*
Identification of the process required for the successful privatization of the Greek airports
- 124 Laurence Frank *University of Strasbourg, France*
Competitive airport management. Governance, strategic choices and returns on investment
- 135 Sergio de Castro Ribeiro, Marcio Peixoto Sequeira dos Santos, *Federal University of Rio de Janeiro, Brazil*
Carla Conceição Lana Fraga, Michelle Moreira
Ways to privatization of Brazilian airports: A comparison with other models in Latin America

SESSION 7-D: NO SESSION

SESSION 7-E: AIRPORT OPERATION I – ANPING, B2F

Chair: Alexandre G. de Barros, University of Calgary, Canada

- 37 Ching-Jung Ting, Lionel Francisco Casanova Gonzalez, Kun-Chih Wu *Yuan Ze University, Taiwan*
An Ant Colony Optimization Algorithm for Multi-Objective Gate Assignment Problem
- 20 Yi Gao *Swinburne University of Technology, Australia*
Dongxuan Wei *Chang'An University, China*
A quantitative assessment of the impact of flight delays on the scheduling of airport ground service staff
- 42 Viviane Adriano Falcão, Nara Bianca Zimmerman, Anderson Ribeiro Correia *Aeronautics Institute of Technology, Brazil*
Level of service evaluation for baggage claim facilities at airport passenger terminals
- 246 Zeliha AKCA *Turkish Airlines, Turkey*
Demand Estimation And Shift Scheduling For Ground Handling Workforce

SESSION 7-F: LOW COST CARRIERS II – FUCHENG, B2F

Chair: Bijan Vasigh, Embry Riddle Aeronautical University, USA

- 46 Ming Hsin Lin *Osaka University of Economics, Japan*
Airline Network Competition with low-cost carrier brand strategies
- 206 Chieh-Hua Wen, Yi-Yun Tsai *Feng Chia University, Taiwan*
Price volatility among full-service versus low-cost airlines
- 181 Hidenobu Matsumoto *Kobe University, Japan*
The era of low-cost carriers starting in Japan: Development and prospect for the future
- 199 Terence P. C. Fan *Singapore Management University, Singapore*
Revisiting market-level competition: the perspective from low-cost entrants
- 220 Kar-Wah Boris Yao, Ian Douglas *University of New South Wales, Australia*
Difference in Pricing Strategies between Full Service & Low Cost Business Model in Long Haul Operation

CONCURRENT SESSION 8 (SATURDAY, JUNE 30, 10:30 – 12:00)

CONCURRENT SESSION: DETAILED PROGRAM

SESSION 8-A: AIR TRAVEL DEMAND II – EAST GATE, B1F

Chair: Dieter Wilkin, German Aerospace Center, Germany

- 107 Shidong Wang, Shan Zhong *China Academy of Civil Aviation Science and Technology, China*
An air passenger enplanements forecasting method based on seasonal adjustment X12
- 158 Fardad Sarkeshiki, Sanaz Bakhshayesh *Tarhe Mandegar e Aria Consultant Engineers, Iran*
Hamidreza Bahramian, Khalil Zamani *Transportation Research Institute, Iran*
Forecasting of Domestic Passenger Traffic by Macro Econometric Models Case study: Kerman Airport (OIKK)
- 80 Noor Alyani Yaacob, Syahriah Bachok, Mariana Mohamed Osman *International Islamic University Malaysia, Malaysia*
Travel time as a function of information utilization at interchanges including airport facilities
- 205 Chieh-Hua Wen, Pei-Ling Chou *Feng Chia University, Taiwan*
Choice modeling of international travel package products

SESSION 8-B: MERGERS AND ALLIANCES II – WEST GATE, B1F

Chair: Anthony Chin, National University of Singapore, Singapore

- 245 Arsalan Nisar, Sujith Nair, Felipe Ruiz, and Miguel Palacios *Technical University of Madrid (UPM), Spain*
Strategic alliance, value creation and firm performance heterogeneity in the airline industry
- 161 Jose D. Perezgonzalez, Bo Lin *Massey University, New Zealand*
Does pertaining to a global strategic alliance improve the bottom line?
- 65 Paul Chiambaretto, Hervé Dumez *Ecole Polytechnique, France*
Vassilios Profillidis *Democritus Thrace University, Greece*
Air-rail intermodal agreements as a way to access new markets for non-aligned carriers: Lessons from France
- 101 Bo Lin *Massey University, New Zealand*
The Benefits of Global Airline Strategic Alliance Groups: Empirical Evidence

SESSION 8-C: AIRLINE AND AIRPORT RELATION – SOUTH GATE, B1F

Chair: Xiaowen Fu, Hong Kong Polytechnic University, China

- 154 Cristina Barbot *University of Porto, Portugal*
Tiziana D'Alfonso *University of Bergamo, Italy*
Why do contracts between airlines and airports fail?
- 226 Katsuya Hihara *University of Tokyo, Japan*
A Negotiation Game Analysis on Airport and Airline Risk Sharing Contract
- 104 Jinkook Lee *Texas A&M University, USA*
Airport-Airline Vertical Contract and Market Power in the Airline Industry
- 88 Sven Maertens *German Aerospace Center (DLR), Germany*
Interruption of airport operations – Classification, loss potential for the operator and its airline customers, and the question of liability
- 212 Batari Saraswati, Shinya Hanaoka *Tokyo Institute of Technology, Japan*
Airline-Airport Cooperation in Commercial Revenue Sharing: Game Theory approach

CONCURRENT SESSION: DETAILED PROGRAM

SESSION 8-D: NO SESSION

SESSION 8-E: AIRPORT OPERATION II – ANPING, B2F

Chair: Anderson Correia, Aeronautics Institute of Technology, Brazil

- 93 Jacqueline E. Ramis, Dr. Emmanuel Antonio dos Santos *Instituto Tecnológico de Aeronáutica, Brazil*
Thermal comfort inside passenger terminal area at 3 Brazilian airports – study case outcomes
- 47 Gerald Otti *Technische Universität München, Germany*
Traffic related representative airport categories
- 162 Sze-Wei Chang *China University of Science and Technology, Taiwan*
GIS based obstruction identification surfaces model
- 282 Sakti Adji Adisasmita, Sumarni H. Aly *Hasanuddin University, Indonesia*
Level of service performance on airport waiting room (Case Study: Sultan Hasanuddin International Airport, Makassar, Indonesia)
- 123 Ali Golmohammadi, Kambiz Mostofi Darban, Seyed Abbas Hosseini Kamal Shoar *Sahn-e-Boostan Consulting Engineers, Iran
Tarh-e-Haftom Consulting Engineers, Iran*
An overview on transportation and traffic comprehensive studies of Imam Khomeini International Airport (IKIA)

SESSION 8-F: LOW COST CARRIERS III – FUCHENG, B2F

Chair: Yu-Chun Chang, National Taiwan Ocean University, Taiwan

- 207 Chieh-Hua Wen, Tan-Ni Chen, Chiang Fu *Feng Chia University, Taiwan*
A factor-analytic generalized nested logit model for determining market position of airlines
- 287 Koichi Tanaka *University of Tokushima, Japan*
Network expansion strategy of low cost carriers in Asia: A challenge for long-haul flights
- 62 Jin Long Lu *Chang Jung Christian University, Taiwan*
Tsuo Ding Lin *National Cheng Kung University, Taiwan*
Investigating passengers' perceived competitive position of low-cost carriers and full service airlines: A perspective of customer value
- 32 Boon L. Lee *Queensland University of Technology, Australia*
Andrew C. Worthington *Griffith University, Australia*
Operational performance of low-cost carriers and international airlines: New evidence using a bootstrap truncated regression
- 260 Humberto Bettini *Universidade Estadual de Campinas, Brazil*
Alessandro Oliveira *LACTE (Latin American Center for Transportation Economics), Brazil*
Entry Pattern for a Low-cost Newcomer, and Rival Strategic Response