

20 years
ATRS
 Air Transport Research Society

ORGANIZER



20th ATRS

WORLD CONFERENCE

23-26 June 2016 • Rhodes • Greece

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SPONSORS



WELCOME ADDRESSES



Χαιρετισμοί (Greetings!) Eight years ago, the Air Transport Research Society held its 12th World Conference in Athens. This year, the ATRS is very pleased to be making a return visit to Greece for our 20th anniversary World Conference in Rhodes. We have planned a full day of plenary sessions featuring executives from all areas of the aviation industry, including the airports, airlines and the air navigation system. On the other days, researchers from around the world will present papers in concurrent sessions analyzing key issues in aviation. Given the variety of topics covered, everyone conducting research in the aviation field will find papers of interest. Moreover, and of equal importance, we hope that you enjoy the Welcome Reception and the Gala Dinner, and find time to meet old acquaintances, while building your network with new friends.

This conference is only possible with the hard work of many individuals. I would especially like to extend my appreciation to Dr Kostas Iatrou, Chair, and Mr. Ioannis Stavlas, Vice-Chair, of the conference organizing committee.

Tis καλύτερες ευχές μου (Best wishes)

Professor Martin Dresner
President & CEO, ATRS

20 years Air Transport Research Society



Welcome to the cosmopolitan island of Rhodes. For the second time in the 20 year history of ATRS, the World Conference is being held in Greece. We are very excited about the program this year. The conference will offer three plenary sessions on current and critical issues facing the industry, as well as over 40 paper sessions.

2016 marks the 10th anniversary of Air Transport News and the 20th anniversary of ATRS. Over the past decade, ATN, thanks to its readers, has become a leader in the air transport media. ATN can now be considered a key component of the commercial aviation chain.

The World Conference will cover all facets of the aviation industry: airlines, airports, ATC, and aerospace. Moreover, this year, we have the honour of welcoming for the first time to the ATRS World Conference Ms Angela Gittens, Director General of Airport Council International (ACI), as a keynote speaker.

I wish you a pleasant stay

Dr Kostas Iatrou
Chairperson of the ATRS 2016 Organizing Committee

PROGRAM

23-26 JUNE 2016 • RODOS PALACE HOTEL • RHODES • GREECE

Thursday 23 June

- 09:00-11:30 ATRS Executive Committee meeting *(by invitation only)*
11:30-13:30 ATRS Networking Committee meeting *(by invitation only)*
14:00-15:30 Airport benchmark task force meeting *(by invitation only)*
15:00-18:30 Registration at Rodos Palace Hotel
16:00-18:00 PhD Student and Junior Faculty Workshop
(registration and conference badge required)
19:00-21:00 Welcome reception in Kallithea Springs sponsored
by the Municipality of Rhodes *(conference badge required)*

Friday 24 June

- 09:00-18:00 Registration at Rodos Palace Hotel
10:20-10:30 WELCOME ADDRESSES
Dr Kostas Iatrou, *Chairperson of the ATRS 2016
Organizing Committee*
Professor Martin Dresner, *President & CEO, ATRS*
Marietta Papavasileiou, *Vice Governor of Tourism, Region of South Aegean*
Fotis Chatzidiakos, *Mayor of Rhodes*
10:30-11:00 KEYNOTE SPEECH: Angela Gittens, *Director General, ACI*
11:00-12:30 PLENARY SESSION 1: **WORKING BETTER TOGETHER**
Moderator: Vijay Poonoosamy, *President, Hermes & Vice President
International Affairs - Office
of the President & CEO, Etihad Airways*
Salvatore Sciacchitano, *Executive Secretary, ECAC*
Marietta Papavasileiou, *Vice Governor of Tourism,
Region of South Aegean*
Catalin Radu, *Deputy Director Air Navigation, ICAO*
Mariza Chatzilazarou, *Deputy Mayor of Tourism,
Municipality of Rhodes*
Dr Dimitris Dimitriou, *Board Member, Athens International Airport*
Antonis Cambourakis, *Vice President, Hellenic Hotel Federation*
Professor Martin Dresner, *President & CEO, ATRS*
12:30-13:30 ATRS GLOBAL AIRPORT BENCHMARKING TASK FORCE REPORT
AWARD CEREMONY
Moderator: Mario Diaz, *Aviation Director, Houston Airport System*
Presenter: Professor Chunyan Yu, *Embry Riddle University*
13:30-15:00 Lunch
15:00-16:30 PLENARY SESSION 2: **BEST PRACTICES IN AIRPORT
MANAGEMENT**
Moderator: Professor Tae-Hoon Oum, *University of British Columbia
and Chairman, ATRS*

- Richard Duncan, *Assistant General Manager,
Hartfield Jackson Atlanta International Airport*
Mario Diaz, *Aviation Director, Houston Airport System*
Henrik Peter Jorgensen, *Vice President, Communication,
Copenhagen Airports*
C K Ng, *Executive Director, Airport Operations, Hong Kong
International Airport*
Jung June Ahn, *Executive Director, Incheon International
Airport Corporation*

16:30-18:00 PLENARY SESSION 3: **OECD-ITF SESSION ON INFRASTRUCTURE AND REGULATION**

- Moderator: Stephen Perkins, *Head, OECD-ITF Joint Transportation Center*
Alain Lumbruso, *OECD-ITF*
Jagoda Egeland, *OECD-ITF*
Professor Tae-Hoon Oum, *University of British Columbia
and Chairman, ATRS*
Professor Hans-Martin Niemeier, *Bremen University of Applied Sciences*
Professor Peter Forsyth, *Monash University, Melbourne, Australia*
20:00-23:00 Conference Dinner *(conference badge required)*

Saturday 25 June

- 08:00-18:00 Registration at Rodos Palace Hotel
09:00-10:15 CONCURRENT SESSIONS 1
10:15-10:45 Coffee Break *sponsored by Aegean Airlines*
10:45-12:00 CONCURRENT SESSIONS 2
12:00-13:30 Lunch
13:30-14:45 CONCURRENT SESSIONS 3
14:45-15:00 Break
15:00-16:15 CONCURRENT SESSIONS 4
16:15-16:45 Coffee Break *sponsored by SITA*
16:45-18:00 CONCURRENT SESSIONS 5

Sunday 26 June

- 08:00-10:30 Registration at Rodos Palace Hotel
09:00-10:15 CONCURRENT SESSIONS 6
10:15-10:45 Coffee Break *sponsored by IATA*
10:45-12:00 CONCURRENT SESSIONS 7
12:00-12:15 Break
12:15-13:45 ATRS GENERAL ASSEMBLY
CLOSING CEREMONY
Ioannis Stavlas, *Chief Secretary of the ATRS 2016 Organizing Committee*

SATURDAY 25 JUNE 2016 RHODES GREECE

9:00-10:15 CONCURRENT SESSIONS 1

ROOM: DELPHI AMPHITHEATRE

1-A AIRLINE ECONOMICS

Chair: **Tae Oum**, *University of British Columbia*

- 312 Duopoly Competition in Australian Aviation Market (*Yahua Zhang, University of Southern Queensland*)
- 79 Set Identification in Entry Games: Application to the Airline Industry (*Christian Bontemps, ENAC and Toulouse School of Economics; Rohit Kumar, Toulouse School of Economics*)
- 165 Entry of the Big and the Small: Japanese Domestic Airline Market (*Ryohei Yamamoto, Kobe University; Ujo Goto, University of Kitakyushu*)
- 255 Competition and Industry Profile in the Passenger Airline Sector of the United States (*Jayendra Gokhale, Embry Riddle Aeronautical University; Sunder Raghavan, Embry Riddle Aeronautical University; Hari Adhikari, Embry Riddle Aeronautical University*)

ROOM: NAFSIKA A

1-B AIRPORT OPERATIONS

Chair: **Chunyan Yu**, *Embry-Riddle Aeronautical University*

- 130 The Effects of Technological Innovation in Airport Planning and Operations (*Konstantinos Kalligiannis, Hellenic American University; Konstantinos Kalligiannis, Hellenic American University*)
- 163 Airport Capacity Analysis Based on Integrated Assignments Considering Both Gate and Runway Usage (*Menghan Liu, National Taiwan University; Yu-Ting Hsu, National Taiwan University*)
- 212 A Method for Validation of Simulation Model in Airport Capacity and Delay Analysis (*Seok-Jae Yun, Korea Aerospace University; Hojong Baik, Korea Aerospace University*)
- 97 Modelling Plural Airports Disaster Relief Operation in Immediate Disaster Response (*Sunhyung Choi, Tokyo Institute of Technology; Shinya Hanaoka, Tokyo Institute of Technology*)

ROOM: NAFSIKA B

1-C AIR CARGO

Chair: **Davide Scotti**, *University of Brescia*

- 159 Evaluation of US International Air Freight Markets Post-GFC (*David Alexander, University of Sydney; Rico Merkert, University of Sydney*)
- 300 The Factors of the Route Choice Decision in Air Cargo Transport Market: The Case in the Routes between Northeast Asia and EU (*Kichan Park, Inha University; Tae Seung Kim, Inha University; Joon Suk Kim, Inha University; Jae Hong Park, Inha University*)

SATURDAY 25 JUNE 2016 RHODES GREECE

- 34 A Stochastic Frontier Analysis of US All-cargo Carrier Efficiency (*Matteo Balliauw, University of Antwerp; Hilde Meersman, University of Antwerp; Evy Onghena, University of Antwerp; Eddy Van de Voorde, University of Antwerp*)
- 170 The Market Power of Freight Forwarders in the Air Cargo Sector (*Franziska Kupfer, University of Antwerp; Thomas Van Asch, University of Antwerp; Evy Onghena, University of Antwerp; Eddy Van de Voorde, University of Antwerp*)

ROOM: NEFELI A

1-D AIR TRANSPORT DEMAND

Chair: **Martin Dresner, University of Maryland**

- 1 Socioeconomic Mobility and Air Passenger Demand in the US (*Fabio Mendez, Loyola University Maryland; Christian Hofer, University of Arkansas; Raja Kali, University of Arkansas*)
- 191 Immigration and Air Travel Demand (*Yap Yin Choo, British Columbia Institute of Technology*)
- 211 Impact of High-speed Rail on the Market Power of Chinese Airlines (*Hangjun Yang, University of International Business and Economics; Qiong Zhang, Anhui Normal University; Hangjun Yang, University of International Business and Economics; Qiang Wang, University of International Business and Economics; Anming Zhang, University of British Columbia; Li Xie, Beijing University of Technology*)

ROOM: NEFELI B

1-E REVENUE MANAGEMENT & PRICING

Chair: **Koki Nagata, University of Maryland**

- 275 Airlines' Pricing Strategy in the Context of a Recently Liberalised Market (*Jorge Silva, CERIS, University of Beira Interior; Vasco Reis, Universidade de Lisboa; Ines Fonseca, CERIS, University of Beira Interior*)
- 294 Development of Intelligence-based Ancillary Revenues and Products (*David Warnock-Smith, University of Huddersfield; Frankie J O'Connell, Cranfield University; Mahnaz Maleki, Cranfield University*)
- 99 A Study on Air Passengers' Willingness to Pay for the Low-cost Carrier' Value-added Services (*Chung-Wei Kuo, Aletheia University; Rong-Chang Jou, National Chi Nan University; Ke-Hong Chen, National Chi Nan University; Yi-Chun Chiu, National Chi Nan University*)
- 314 Man versus Machine: A User Influence Analysis in a Revenue Management System (*Theodoros Efsthathopoulos, Aegean Airlines*)

SATURDAY 25 JUNE 2016 RHODES GREECE

ROOM: ALPHA

1-F AVIATION SAFETY & SECURITY

Chair: Erin Bowen, *Embry-Riddle Aeronautical University*

- 42 Aviation Safety Management Systems: A Comparison between SMS and MSG-3 (*Lisa Whittaker, Western Michigan University*)
- 50 Study about the Potential Relationship between Safety and the Performance of Airline Companies (*Nicole Kalemba, University Rovira and Virgili; Fernando Campa-Planas, University Rovira and Virgili*)
- 253 How Does Aviation Industry Measure Safety Performance? - Current Situation, Limitations and Next steps (*Steffen Kaspers, Amsterdam University of Applied Sciences; Nektarios Karanikas, Amsterdam University of Applied Sciences; Robert J De Boer, Amsterdam University of Applied Sciences; Alfred Roelen, Amsterdam University of Applied Sciences/NLR-ATSI; Selma Piric, Amsterdam University of Applied Sciences*)
- 4 Influencing Safety Culture in Aviation: The Authentic Leadship (*James Bryan Burrows-Mcelwain, University of Maryland Eastern Shore; I.K. Dabipi, University of Maryland Eastern Shore; Dollie McCormick, Nova Southeastern University*)

ROOM: GAMMA

1-G AIR TRANSPORT POLICY & REGULATION

Chair: Robert Windle, *University of Maryland*

- 63 What Means Innovation Management on Air Transport? (*Mauro Caetano, Aeronautics Institute of Technology (ITA); Cl-udio Jorge Pinto Alves, Aeronautics Institute of Technology (ITA)*)
- 5 Aviation: Metal Neutral! Sovereignty, Risk and Protectionism vs. Transnationalism, Risk and Globalisation (*Sarah Fox, Coventry University*)
- 24 A Strategic Planning Framework for Aviation Policy Development: A Case Study on Jordan (*Nadine Itani, Cranfield University; John F O'Connell, Cranfield University; Keith Mason, Cranfield University*)
- 156 Effects of Open Skies Agreements on Bilateral Traveler Flow and Service Export and Import Trades: The Case of Canada (*Kun Wang, University of British Columbia; Tae H Oum, University of British Columbia; Jia Yan, Washington State University*)

10:15-10:45 COFFEE BREAK SPONSORED BY AEGEAN AIRLINES

SATURDAY 25 JUNE 2016 RHODES GREECE

10:45-12:00 CONCURRENT SESSIONS 2

ROOM: DELPHI AMPHITHEATRE

2-A AIRLINE ECONOMICS

Chair: Sveinn Gudmundsson, *Toulouse Business School*

- 302 Measuring the Rebound Effects in Air Transport: The Impact of Jet Fuel Price and Air Carriers' Fuel Efficiency Improvement of the European Airlines (*Chikage Miyoshi, Cranfield University; Hideki Fukui, Ministry of Land, Infrastructure, Transport, and Tourism*)
- 113 The Measurement of Transaction Costs in the Downstream Distribution Channel of Airlines (*Md Mahbul Hakim, University of Sydney; Rico Merkert, University of Sydney*)
- 205 The Value of an Additional Slot at Capacitated Airports (*Nicole Adler, Hebrew University; Ekaterina Yazhensky, Hebrew University*)

ROOM: NAFSIKA A

2-B AIRPORT OPERATIONS

Chair: Shinya Hanaoka, *Tokyo Institute of Technology*

- 95 An Evaluation of Senior Drivers Performance in a Simulated Airport Road Access Wayfinding (*Nur Khairiel Anuar, Cranfield University; Romano Pagliari, Cranfield University; Richard Moxon, Cranfield University*)
- 54 Flexibility within Flight Operations as an Evaluation Criterion for Preliminary Aircraft Design (*Michael Husemann, RWTH Aachen University; Katharina Schaefer, German Aerospace Center (DLR); Eike Stumpf, RWTH Aachen University, Institute of Aerospace Systems*)
- 228 A Method for Validating a Passenger Terminal Simulation Model (*Kyung-Jun Choi, Korea Aerospace University; Hojong Baik, Korea Aerospace University*)
- 283 Fuel Consumptions and Operating Costs during Aircraft Taxi Operations: A Comparison of Airports in Europe and the United States (*Nathalie Kuhn, Embry-Riddle Aeronautical University; Chunyan Yu, Embry-Riddle Aeronautical University; Christian Mehlan, Embry-Riddle Aeronautical University; Rainer Koelle, EUROCONTROL*)

ROOM: NAFSIKA B

2-C AIR CARGO

Chair: Eddy Van de Voorde, *University of Antwerp*

- 49 The Geography of Integrators' Air Transport Networks in Europe (*Davide Scotti, University of Brescia; Paolo Malighetti, University of Bergamo; Gianmaria Martini, University of Bergamo; Renato Redondi, University of Bergamo*)

SATURDAY 25 JUNE 2016 RHODES GREECE

- 81 An Analysis of the Changing Air Cargo Network of Major Middle Eastern Carriers (*Robert Mayer, Cranfield University; Matthieu Finkbeiner, Cranfield University; Andy Foster, Cranfield University*)
- 131 Rail Transport of Air Cargo as an Alternative to Road Transport (*Evy Onghena, University of Antwerp; Els Struyf, University of Antwerp; Katrien De Langhe, University of Antwerp*)
- 299 The Relation between Oil Price, Cargo Tariff, and the Demand for the Cargo Transport in the Aviation Sector: The Case in the Northeast Asian Air Transport Market (*Tae Seung Kim, Inha University; Yoon Dong Jung, Inha University*)

ROOM: NEFELI A

2-D AIR TRANSPORT DEMAND

Chair: *Katrin Kolker, DLR German Aerospace Center*

- 241 The Impact of Baggage Fee Waiver on Airline Choice in the US: A Case Study of the Washington-Baltimore Region (*Martin Dresner, University of Maryland; Woohyun Cho, University of New Orleans*)
- 140 Estimating Airfare Demand Elasticities by Market Segment in the Low Cost Sector (*Chiara Morlotti, University of Bergamo; Mattia Cattaneo, University of Bergamo; Paolo Malighetti, University of Bergamo; Renato Redondi, University of Bergamo*)
- 198 New Methodology for Airline Competition Analysis and Air Travel Demand Estimation in Emerging but Regulated Airline Market - A Discrete Choice and Weighted Profit Estimation Approach Applied to China (*Xiaowen Fu, University of Sydney; Kun Wang, University of British Columbia; Tae H Oum, University of British Columbia*)
- 102 Estimating the Demand Potential for New Airline Services within Europe (*Thijs Boonekamp, SEO Amsterdam Economics; Joost Zuidberg, SEO Amsterdam Economics*)

ROOM: NEFELI B

2-E MARKET OUTLOOK AND FUTURE DEVELOPMENT OF AIR TRANSPORT

Chair: *Yahua Zhang, University of Southern Queensland*

- 107 A New Model of Long Term Forecasting the Air Passenger Demand, Number of Air Transport Movements and Cargo Volume of Germany (*Dieter Wilken, German Aerospace Center (DLR); Marc C Gelhausen, German Aerospace Center (DLR); Peter Berster, German Aerospace Center (DLR)*)
- 67 A Comparison of Airports and Spaceports for Commercialized Space Transportation (*Janet Tinoco, Embry-Riddle Aeronautical University; Chunyan Yu, Embry-Riddle Aeronautical University; Maximilian Meintgens, Embry-Riddle Aeronautical University; Jason P Alvarez, Embry-Riddle Aeronautical University*)
- 96 Future of Aviation (*Wali Mughni, Institute of Business Administration & Aviation Sciences*)
- 317 Unmanned Aircraft Systems: Obstacles, Opportunities and Growth (*Bijan Vasigh, Embry-Riddle Aeronautical University; Mariya Zarubina, Embry-Riddle Aeronautical University*)

SATURDAY 25 JUNE 2016 RHODES GREECE

ROOM: ALPHA

2-F AVIATION SAFETY & SECURITY

Chair: Nicola Volta, *Cranfield University*

- 53 Analysis of Factors Influencing Air Passengers' Decision in Choosing Emergency Exit Row Seating (*Saryani Asmayawati, Cranfield University; Emma Povey, MBDA*)
- 142 Airport Access Control: New Threats and New Technologies (*Christer Wilkinson, AECOM*)
- 21 Paternalistic Leadership and Flight Crew Safety Behavior (*Shu-Chuan Chen, Aletheia University*)

ROOM: GAMMA

2-G AIR TRANSPORT POLICY & REGULATION

Chair: Sarah J. Fox, *Coventry University*

- 46 A Pricing Policy Study of the Domestic Passenger Air Transport in China (*Haiyang Yu, China Academy of Civil Aviation Science and Technology; Jinjin Yao, China Academy of Civil Aviation Science and Technology*)
- 295 A Review of Commercial Air Policies: Identifying the Gaps (*David Warnock-Smith, University of Huddersfield*)
- 236 Open Skies Agreement Network (*Katsuhiko Yonezaki, Institute of Transportation Economics Japan*)

12:00-13:30 LUNCH

13:30-14:45 CONCURRENT SESSIONS 3

ROOM: DELPHI AMPHITHEATRE

3-A AIRLINE OPERATIONS

Chair: Evy Onghena, *University of Antwerp*

- 74 Understanding Consumer Preferences with Airline Scheduling (*M Sukru Nenem, University of Westminster; Anne Graham, University of Westminster; Nigel Dennis, University of Westminster*)
- 219 Centrality in the Time-dependent Air Transport Network (*Oriol Lordan, Universitat Politècnica de Catalunya; Jose M Sallan, Polytechnic University of Catalonia*)
- 221 The Airline Turnaround Game (*Renato Redondi, University of Bergamo; Paolo Malighetti, University of Bergamo; Stefano Paleari, University of Bergamo; Pinto Roberto, University of Bergamo*)
- 316 Airline Operational Reliability and Performance: A 10-Year Comparison (*Brent Bowen, Embry-Riddle Aeronautical University; Michelle M. Bennett, Embry-Riddle Aeronautical University Prescott, Arizona; Jacqueline R. Luedtke, Embry-Riddle Aeronautical University Prescott, Arizona*)

SATURDAY 25 JUNE 2016 RHODES GREECE

ROOM: NAFSIKA A

3-B AIRPORT PERFORMANCE

Chair: *Andreas Wittmer, University of St. Gallen*

- 245 Global Decision Support for Airport Performance and Efficiency Assessment (*Maria Baltazar, CERIS, University of Beira Interior; Jorge Silva, University of Beira Interior*)
- 119 Classification of Airlines and Airports Using Clustering Algorithms (*Christoph Schinwald, Munich Aerospace e.V.; Mirko Hornung, Technische Universitat Munchen*)
- 160 Productivity Change of the Japanese Airport Industry: A Hicks-Moorsteen Productivity Index Method (*Kok Fong See, Universiti Sains Malaysia*)
- 45 Evaluating the Network Competitiveness of Asia Airports Using Aviation Market Data (*Se-Yeon Jung, The Korea Transport Institute; Sung-Yeoul Oh, The Korea Transport Institute/Air transport*)

ROOM: NAFSIKA B

3-C AIR CARGO

Chair: *Franziska Kupfer, University of Antwerp*

- 208 Relative Index for Contribution of Cargo and Passenger to Airport Revenue (*Sora Baek, Korea Future Logistics Institute; Yong Hwa Park, Inha University; Seong Min Kim, Inha University*)
- 192 Study on Major Airlines Performance on Cargo Throughput (*Seock Jin Hong, University of North Texas; Amit Sundeep Malhan, University of North Texas*)
- 190 Changing International Air Traffic Hierarchy in Europe (*Hideobu Matsumoto, Kobe University; Koji Domaie, Kobe University*)
- 103 Passengers, Cargo and Airport Strategies (*Els Struyf, University of Antwerp*)

ROOM: NEFELI A

3-D ENVIRONMENTAL ISSUES IN AIR TRANSPORT

Chair: *Nuria Diaz-Maroto Llorente, University of Cagliari*

- 69 Aviation GHG Statistics and Reduction Strategy in the ROK (*Yongseok Kim, Korea Transportation Safety Authority; Juhyoung Lee, Korea Transportation Safety Authority; Sungwon Choi, Korea Transportation Safety Authority; Weonho Kim, Korea Transportation Safety Authority*)
- 124 The Determinants of CO2 Emissions of Air Transport Passenger Traffic: An Analysis Applied to Lombardy (Italy) (*Pak Lam Lo, University of Pavia; Gianmaria Martini, University of Bergamo; Davide Scotti, University of Brescia*)
- 244 Estimation of Typical Flight Paths for the Computation of Aircraft Fuel Consumption (*Ioanna Pagoni, National Technical University of Athens; Paraskevi Psaraki-Kalouptsidi, National Technical University of Athens*)
- 252 Estimation of Aviation Fuel Consumption and Demand Forecasting (*Evrpidis Magkos, Aristotle University of Thessaloniki*)

SATURDAY 25 JUNE 2016 RHODES GREECE

ROOM: NEFELI B

3-E INTERMODAL AND AIR TRAVEL ALTERNATIVES

Chair: Taizo Hayashi, *University of Tokyo*

- 14 Impact of What-if Capability on Intermodal Traffic Management – Knowing and Reacting on Issues before They Arise (*Florian Rudolph, German Aerospace Center (DLR); Olaf Milbredt, German Aerospace Center (DLR); Erik Grunewald, German Aerospace Center (DLR)*)
- 72 High Speed Rail shock in Hokuriku-Tokyo Air Transport Market (*Ishikura Tomoki, Tokyo Metropolitan University; Azusa Oyama, Tokyo Metropolitan University*)
- 168 An Examination of the Surface Access Decision-making Process of North England (*Tim Ryley, Griffith University; Alberto Zanni*)
- 158 Transportation Policy for High-speed Rail Competing with Airlines (*Yushi Tsunoda, Kobe University*)

ROOM: ALPHA

3-F LOW-COST CARRIERS

Chair: Frank Fichert, *Worms University of Applied Sciences*

- 254 The Impact of LCC on Airport Revenue in the UK: An Empirical Study with the Consideration of Route Structure (*Muneki Yokomi, Osaka University of Commerce*)
- 127 The Effects of Low Cost Carriers on Tourist Flows: An Empirical Analysis of Greek Airports (*Vasileia Rapti, National Technical University of Athens; Ioanna Pagoni, National Technical University of Athens; Paraskevi Psaraki-Kalouptsidi, National Technical University of Athens*)
- 178 The Potential of the Long-haul Low-cost Business Model (*Maarten De Lange, KIM Netherlands Institute for Transport Policy Analysis*)
- 114 Changes in Frequencies and Variations of Prices on Point-to-Point Routes: The Case of EasyJet (*Andrea Salanti, University of Bergamo; Paolo Malighetti, University of Bergamo; Renato Redondi, University of Bergamo*)

ROOM: GAMMA

3-G AIR TRANSPORT POLICY & REGULATION

Chair: Yeon-Myung Kim, *The Korea Transport Institute*

- 26 Identifying Outlying Conditions Where Community and Economic Growth Is Decoupled from the Air Transport Sector (*Chittayong Surakitbanharn, Queensland University of Technology; Douglas Baker, Queensland University of Technology*)
- 292 Analysis of the Effect of Air Transportation's Revenue and Expenditure Structure on the Development of Aviation Industry (*Jin-Seo Park, The Korea Transport Institute; Je-chul Kim, The Korea Transport Institute; Ga-ram Sim, The Korea Transport Institute; Seong-ho Jeong, Korea Institute of public Finance*)

SATURDAY 25 JUNE 2016 RHODES GREECE

- 61 Welfare Analysis of Preferential Slot Allocation for LCCs at the Congested Airport - The Case of Haneda (*Jun Mizutani, Kobe University; Munekatsu Usami, Osaka University*)
- 16 Location Specific versus Network Pricing of Terminal Navigation Services: Economic Implications from the Debate in Australia (*Margaret Arblaster, Monash University*)

14:45-15:00 BREAK

15:00-16:15 CONCURRENT SESSIONS 4

ROOM: DELPHI AMPHITHEATRE

4-A AIRLINE PERFORMANCE

Chair: **Seock-Jin Hong, University of North Texas**

- 184 The Effects of Codesharing Alliances on Airline Performances (*Li Zou, Embry-Riddle Aeronautical University; Xueqian Chen, Embry-Riddle Aeronautical University*)
- 144 Airline Sustainability and Performance in a Liberalized Environment (*Roxani Athousaki, Coventry University; Alexeis Garcia-Perez, Coventry University; Georgios Kapogiannis, Anglia Ruskin University*)
- 269 A Two-step Hybrid Model for Bankruptcy Prediction of US Airlines (*Sveinn Vidar Gudmundsson, Toulouse Business School; Richard Gritta, University of Portland*)
- 146 Profitability Change in the Global Airline Industry: A Stochastic Cost Frontier Approach (*Nicola Volta, Cranfield University; Davide Scotti, University of Brescia*)

ROOM: NAFSIKA A

4-B AIRPORT PERFORMANCE

Chair: **Janet Tinoco, Embry-Riddle Aeronautical University**

- 115 Hub Airport Index Development (*Sung-Yeoul Oh, The Korea Transport Institute; Jeong Woong Sohn, The Korea Transport Institute; Sang Yong Lee, Incheon International Airport Corporation; Mi-Kyoung Kim, Incheon International Airport Corporation*)
- 65 Efficiency Assessment Framework for Airports Serving Tourist Destinations (*Eirini Apanomeritaki, Democritus University of Thrace; Dimitrios Dimitriou, Democritus University of Thrace*)
- 38 An Assessment of the Prospects for Small UK Airports (*Nigel Halpern, Kristiania University College; Anne Graham, University of Westminster*)
- 51 The Evolution of Airport Privatisation (*Hans-Arthur Vogel, International University of Applied Sciences Bad Honnef-Bonn (IUBH)*)

SATURDAY 25 JUNE 2016 RHODES GREECE

ROOM: NAFSIKA B

4-C AIR TRAFFIC CONTROL

Chair: *Ioannis Stavlas, Rodos Diagoras International Airport*

- 55 RPAS Integration in Unsegregated Airspace within Comparison between Conventional Vectoring and Trajectory Based Operation Using a Real-Time ATC Simulation (*Hyun-Tae Jung, Korea Aerospace University; Woo-Choon Moon, Korea Aerospace University; Seon-Young Kang, Inha University; Jisoo Kang, Inha University; Hyeju Oh, Inha University; Keeyoung Choi, Inha University; Hak-Tae Lee, Inha University*)
- 71 Development of a Medium-Fidelity Experiment for ATC to Test Intensity Value Thresholds (*Caitlin A Surakitbanharn, Purdue University; Steven J Landry, Purdue University; Andrew Neal, University of Queensland*)
- 94 Suborbital Spaceflight and the Chicago Convention: Reconsidering Traditional Concepts of Air Law (*Konstantinos Kostopoulos, Ministry of Economy, Development & Tourism; Maria Manoli, McGill Institute of Air and Space Law*)
- 13 Scheduling Models for Optimal Aircraft Traffic Control at Busy Airports: Tardiness, Priorities, Equity and Violations Considerations (*Andrea D'Ariano, Roma Tre University; Marcella Sama, Roma Tre University; Paolo D'Ariano, Roma Tre University; Dario Pacciarelli, Roma Tre University*)

ROOM: NEFELI A

4-D ENVIRONMENTAL ISSUES IN AIR TRANSPORT

Chair: *Anne Graham, University of Westminster*

- 309 Development of Beneficiary-burden Matrix of Aircraft Noise Pollution in Tokyo Metropolitan Area (*Kazuyuki Takada, Tokyo Denki University; Kanta Oda, Tokyo Denki University*)
- 136 Noise Surcharges at German Airports between Cost Dependency, Steering Mechanisms and Internalizing of External Costs (*Hansjochen Ehmer, IUBH Bad Honnef/DLR German Aerospace C.*)
- 172 What's the Real Value of an Airport? Comparing Economic Benefit and Environmental Cost (*Cherie Lu, Chang Jung Christian University*)
- 132 Adapting Aviation to a Changing Climate: Key Priorities for Action (*Rachel Burbidge, EUROCONTROL*)

ROOM: NEFELI B

4-E AVIATION FINANCE

Chair: *Sunder Raghavan, Embry-Riddle Aeronautical University*

- 58 Modelling an Aircraft Lease Transaction (*Sunder Raghavan, Embry-Riddle University; Jayathi Raghavan, Embry-Riddle University*)
- 187 Corporate Boards, CEO Compensation and Firm Performance: A study of US Airline Firms (*Hari Adhikari, Embry-Riddle Aeronautical University*)

SATURDAY 25 JUNE 2016 RHODES GREECE

- 112 Financial Risk Management of International Businesses - A literature Review and Empirical Evidence from Global Airlines (*Hassan Swidan, University of Sydney; Rico Merkert, University of Sydney*)
- 29 Merger Announcements and Stock Market Reactions in the Airline Industry: A Comparative Study between US and European Based Airline Mergers (*Triant Flouris, Hellenic American University; Chun-Pin Hsu, City University of New York*)

ROOM: ALPHA

4-F LOW-COST CARRIERS

- Chair: Renato Redondi, *University of Bergamo*
- 180 How Legacy Carriers Compete with Low Cost Carriers in Asia? (*Chiuhua (Jeff) Chang, National Taiwan Ocean University; Tung Che Li, National Taiwan Ocean University*)
 - 105 Analysis on LCC Network Making an Impact on Asian Airport Competitiveness Using Social Network Analysis (*Hyeonjun Bae, Inha University; Jaemin Kang, Inha University; Yonghwa Park, Inha University*)
 - 128 The Development of the Potential for LCC Connecting Services in Europe - From Self-hubbing to Reliable Low Cost Connecting Services? (*Sven Maertens, German Aerospace Center (DLR) e.V.; Holger Pabst, German Aerospace Center (DLR) e.V.; Wolfgang Grimme, German Aerospace Center (DLR) e.V.*)
 - 304 The Impact of Low-cost Carriers on Airline Competition in the China-ASEAN Aviation Market (*Ruowei Chen, COMAC; Zheng Lei, University of Surrey*)

ROOM: GAMMA

4-G AIRPORT STRATEGY & MANAGEMENT

- Chair: Perry Miller, *Jackson Municipal Airport*
- 32 Airport Retail Strategies to Improve Commercial Revenue from Leisure Travelers (*Rene Puls, Walden University; Cheryl Lentz, Walden University*)
 - 188 Investigating the Relationship Between airport Aeronautical and Non-aeronautical Revenues and Their Determinants: The Case of Airports as Two-sided Platforms (*Leonardo Corbo, Universidade Catolica Portuguesa; Tae H Oum, University of British Columbia; Kun Wang, University of British Columbia; Wenyi Xia, University of British Columbia*)
 - 60 Platform Pricing and Consumer Foresight: The Case of Airports (*Ricardo Flores-Fillo, Universitat Rovira i Virgili; Alberto Iozzi, University of Rome Tor Vergata/University of London; Tommaso Valletti, Imperial College London/Universita di Roma 'Tor Vergata'/CEPR*)
 - 310 Runway Capacity Expansion in South East England and Implications for Regional Airports (*Pavlos Arvanitis, Southampton Solent University; Caludia Capozza, University of Bari; Mauro Capurso, University of Bari*)

SATURDAY 25 JUNE 2016 RHODES GREECE

16:45-18:00 CONCURRENT SESSIONS 5

ROOM: DELPHI AMPHITHEATRE

5-A AIRLINE PERFORMANCE

Chair: *Triant Flouris, Hellenic American University*

- 271 *Are Airline Stocks Pro-cyclical? - Evidence from the Financial Markets (Sunder Raghavan, Embry Riddle Aeronautical University; Jayendra S Gokhale, Embry Riddle Aeronautical University)*
- 57 *Government Intervention and Potential Airline Market Failures (Deborah Ansell, University of Westminster)*
- 19 *A Hierarchical Metamodeling Approach for Airline Costs (Peter Bießlich, Hamburg University of Technology; Kai Wegmann, Karlsruhe Institute of Technology; Klaus Lutjens, German Aerospace Center (DLR))*
- 234 *Market Reaction to Mergers in Airline Industry: Evidence from the US Airline Industry (Leonard Jackson, Georgia State University; John R Ledgerwood, Embry-Riddle Aeronautical University)*

ROOM: NAFSIKA A

5-B AIRLINE CASE STUDIES

Chair: *Sven Maertens, German Aerospace Center*

- 41 *Real Option Analysis on Aircraft Acquisition between Different Categories (Qiwei Hu, Commercial Aircraft Corporation of China, Ltd; Anming Zhang, University of British Columbia)*
- 59 *Airlines' Strategies with the Arrival of Istanbul New Airport (Ozge Peksatici, Ozyegin University)*
- 39 *United Airlines: A Post-Merger Analysis (Tamilla Curtis, Embry-Riddle Aeronautical University; Wilfred S Manuela Jr, Ateneo de Manila University; Dawna L Rhoades, Embry-Riddle Aeronautical University)*
- 40 *Southwest Airlines: A Post-Merger Analysis (Wilfred S Manuela Jr, Ateneo de Manila University; Dawna L Rhoades, Embry-Riddle Aeronautical University; Tamilla Curtis, Embry-Riddle Aeronautical University)*

ROOM: NAFSIKA B

5-C AIR TRAFFIC CONTROL

Chair: *Wouter Dewulf, University of Antwerp*

- 161 *A Simulation-based Approach for Evaluation of Ground Delay Program (Jieun Cho, Korea Aerospace University; Youngjong Lee, Korea Aerospace University; Hojong Baik, Korea Aerospace University)*
- 70 *Data-driven Approach for Aircraft's Arrival Time Estimation (Hyejin Kim, Korea Aerospace University; Keumjin Lee, Korea Aerospace University)*

SATURDAY 25 JUNE 2016 RHODES GREECE

- 111 Trajectory Based Operations in Air Traffic Flow Management (*Guglielmo Lulli, Lancaster University; Konstantinos Aografos, Lancaster University*)
- 155 Analysis of the Potential Benefits of Reduced Horizontal Separation in U.S. Oceanic Airspace (*Joseph Post, Federal Aviation Administration; Paul Truong, Federal Aviation Administration; Antonio Trani, Virginia Tech*)

ROOM: NEFELI A

5-D ENVIRONMENTAL ISSUES IN AIR TRANSPORT

Chair: *Li Zou, Embry-Riddle Aeronautical University*

- 126 Improvements of the Methodology to Measure the Eco-efficiency with DEA: An Application to Airport (*Taewoong Yang, Inha University; Joonho Na, Shanghai Jiao Tong University; Hun-Koo Ha, Inha University*)
- 157 A Study on Reducing Aircraft Engine Emission by Utilizing Fuel Management Information (*Sihyun Yoo, Korea Aerospace University; Seung-Hoi Choi, Korea Aerospace University; Kwang Eui Yoo, Korea Aerospace University*)
- 11 Research and Study of a Methodology to Link the Noise to Different Types of Aircraft in a Cycle LTO and Application to a Real Case (*Roberto Devoto, University of Cagliari; Massimo Fantola, University of Cagliari; Olivo Alessandro, University of Cagliari; Rassa Nicoletta, University of Cagliari; Nuria Diaz-Maroto Llorente, University of Cagliari*)
- 9 A Decentralized Approach to Formation Flight Routing (*Hendrikus Visser, TU Delft; Bruno F. Santos, TU Delft; Collin Verhagen, TU Delft*)

ROOM: NEFELI B

5-E OPERATIONS RESEARCH IN AIR TRANSPORT

Chair: *Bijan Vasigh, Embry-Riddle Aeronautical University*

- 52 Airline Hangars Balanced Manpower Utilization - An Optimization Approach (*Massoud Bazargan, Embry Riddle Aeronautical University*)
- 284 Effective Data Science in Aerospace Advanced Analytics Applications (*Geoffrey Clark, Lucidata Informatics*)
- 220 Multilevel Structure and Robustness of Regional Air Transport Networks (*Jose M Sallan, Universitat Politecnica de Catalunya; Oriol Lordan, Polytechnic University of Catalonia*)
- 239 Information Dissemination Modelling for New Transportation Services at Airports (*Dimitrios Dimitriou, Democritus University of Thrace*)

SATURDAY 25 JUNE 2016 RHODES GREECE

ROOM: ALPHA

5-F LOW-COST CARRIERS

Chair: Keith Mason, *Cranfield University*

- 18 Relative Performance: A Product and Organisational Architecture Analysis of Asian Low-Cost Subsidiaries (*James Pearson, Coventry University*)
- 89 The Airline-within-Airline Business Model - and Its Impact in the Indonesian Domestic Market (*Jesus Rubio, Cranfield University; John Frankie O'Connell, Cranfield University; Chikage Miyoshi, Cranfield University*)
- 272 Hybrid Airlines and Alliance Membership (*Ciro Camargo, Toulouse Business School; Sveinn Gudmundsson, Toulouse Business School*)
- 10 From Point-to-Point to Connections-Self-Connecting, Codesharing and Hubbing among LCCs (*Richard Klophaus, Worms University of Applied Sciences; Frank Fichert, Worms University of Applied Sciences*)

ROOM: GAMMA

5-G STRATEGIC MANAGEMENT IN AVIATION

Chair: Klemens Klein, *University of Cologne*

- 123 Developing Airline Business Models Based on Consistent Key Performance Indicators (*Steffen Wenzel, German Aerospace Center (DLR); Klaus Luetjens, German Aerospace Center (DLR); Volker Gollnick, German Aerospace Center (DLR)*)
- 167 Strategic Management of Integrated Public Transport and its Value in the Air Bus Context (*Rico Merkert, University of Sydney; Matthew Beck, University of Sydney*)
- 83 Business Model Evolution in the Air Transport Sector: An Analysis of New Business Model Clusters (*Marcia Urban, Bauhaus Luftfahrt e.V.; Martin Klemm, Former Bauhaus Luftfahrt e. V. Student*)
- 233 Exploring Corporate Strategy and the Impacts in Business Models for European Airports (*Maria Sartzetaki, Democritus University of Thrace; Dimitrios Dimitriou, Democritus University of Thrace*)

SUNDAY 26 JUNE 2016 RHODES GREECE

9:00-10:15 CONCURRENT SESSIONS 6

ROOM: NAFSIKA A

6-A AIRPORT CASE STUDIES

Chair: Paolo Malighetti, *University of Bergamo*

- 293 Successful Implementation of an Enterprise Content Management System: Lessons Learnt from an Airline Ground Service Provider (*Gerasimos Kontos, University of the Aegean; Andreas Kakouris, University of the Aegean; Andreas Papatheodorou, University of the Aegean*)
- 265 Impact Analysis of Regular Ops of A380 in Mexico City Airport (*Miguel Mujica Mota, Amsterdam University of Applied Sciences; Catya Zuniga, Aeronautic University of Queretaro; Paolo Scala, Amsterdam University of Applied Sciences/Aviation Academy; Geert Boosten, Amsterdam University of Applied Sciences/Aviation Academy*)
- 120 Evaluating the Efficiency of Air Transport in Japanese Remote Islands and Operational Performance (*Hitoshi Oguma, Kanazawa University; Eiji Shiomi, Chuo University*)

ROOM: NAFSIKA B

6-B AIRPORT ECONOMICS

Chair: Richard Moxon, *Cranfield University*

- 267 Economic Assessment of Investments in Airports – A Survey (*Hans-Martin Niemeier, University of Applied Sciences Bremen; Peter Forsyth, Monash University; Eric Njaya, University of Huddersfield*)
- 210 Managing Airport Charges under the Multiple Hub Network (*Mikio Takebayashi, Kobe University*)
- 118 Airport Investment Incentives Under Full and Light Handed Regulation (*Peter John Forsyth, Monash University*)

ROOM: NEFELI A

6-C AVIATION CASE STUDIES

Chair: Chikage Miyoshi, *Cranfield University*

- 193 Dynamic Change of Urban Pattern of Air Transport in Asia (*Koji Domaie, Kobe University; Hidenobu Matsumoto, Kobe University*)
- 298 Flying beyond Borders: Intermodal Considerations to Improve Accessibility of Aegean Sea Islands, Greece Using Discrete Choice Analysis (*Ioulia Poulaki, University of the Aegean; Andreas Papatheodorou, University of West London*)
- 297 Air Transportation: Perception and Impact of Passengers with Reduced Mobility (*Sara Zorro, CERIS, Universidade de Lisboa; Ros-rio Mac-rio, Universidade de Lisboa; Jorge Silva, CERIS, University of Beira Interior, Portugal*)

SUNDAY 26 JUNE 2016 RHODES GREECE

ROOM: NEFELI B

6-D MARKETING IN AIR TRANSPORT

Chair: Nigel Halpern, *Kristiania University College*

- 162 Comparison of Passenger Profiles on Full Service Carriers and Low-cost Carriers – Evidence from Taiwan (*Jin-Long Lu, National Kaohsiung Marine University; Yi-Ju Wu, National Kaohsiung Marine University; Pei-Jou Chou, National Kaohsiung Marine University*)
- 25 On “AIRQUAL”. A validated scale for measuring airlines service quality and examining service quality effects on customer satisfaction and loyalty (*Keith Mason, Cranfield University; Mishal Alotaibi, Cranfield University*)
- 35 The Concept of Well-being and Its Effect on Airline Ticket Purchasing (*Andreas Wittmer, University of St. Gallen; Sebastian Daum, University of St. Gallen*)

ROOM: ALPHA

6-E AIRLINE NETWORK DEVELOPMENT

Chair: Gianmaria Martini, *University of Bergamo*

- 215 The Impact of Dehubbing on Connectivity and Consumer Welfare (*Guillaume Burghouwt, SEO Amsterdam Economics; Rogier Lieshout, SEO Amsterdam Economics; Thijs Boonekamp, SEO Amsterdam Economics*)
- 256 Measuring the Potential for Self-Connectivity in Global Air Transport Markets (*Augusto Voltes-Dorta, University of Edinburgh; Pere Suau-Sanchez, Cranfield University; Hector Rodriguez-Deniz, Linköping University*)
- 104 Benchmarking the Quality of Hub Connectivity in Global Markets Using Demand Data: A Picture of Uneven Competitive Geographies (*Pere Suau-Sanchez, Cranfield University; Augusto Voltes-Dorta, University of Edinburgh Business School; Hector Rodriguez-Deniz, Linköping University*)
- 125 Enhancement of a Model for Large-scale Airline Network Planning Problems (*Katrin Koelker, German Aerospace Center (DLR); Bruno Santos, TU Delft; Klaus Luetjens, German Aerospace Center (DLR)*)

10:15-10:45 COFFEE BREAK SPONSORED BY IATA

SUNDAY 26 JUNE 2016 RHODES GREECE

10:45-12:00 CONCURRENT SESSIONS 7

ROOM: NAFSIKA A

7-A HUMAN RESOURCES MANAGEMENT IN AIR TRANSPORT

Chair: Tamilla Curtis, *Embry-Riddle Aeronautical University*

- 62 Measuring Job Adapting Behaviors Across Cultures of Female Foreign Cabin Crews on Korean Airline (*Sungsik Park, Korea National University of Transportation*)
- 88 Investigating Antecedents of Employability Skills among Students of Department of Air Transportation Management (*Ya-Ling Kao, National Cheng Kung University*)
- 37 Understanding Human Error: Psychology, Aviation, and the Public (*Erin Bowen, Embry-Riddle Aeronautical University*)
- 90 Higher Education Aviation Programs in Greece: A Missed Opportunity or a Challenge to Meet? (*Konstantinos Malagas, University of the Aegean; Alexandra Fragoudaki, National and Kapodistrian University of Athens; Kyriakos Kourousis, University of Limerick; Nikitas Nikitakos, University of the Aegean*)

ROOM: NAFSIKA B

7-B AVIATION & ECONOMIC DEVELOPMENT

Chair: Rico Merkert, *University of Sydney*

- 141 The Effects of Airports' Activity on Population Density: Evidence from Europe (*Mattia Cattaneo, University of Bergamo; Paolo Malighetti, University of Bergamo; Chiara Morlotti, University of Bergamo; Renato Redondi, University of Bergamo*)
- 106 The Impact of Airline Networks on Trade Flows: The Case of Lombardy-Italy (*Gianmaria Martini, University of Bergamo; Alberto Brugnoli, University of Bergamo; Alberto Dal Bianco, Eupolis Lombardia; Davide Scotti, University of Brescia*)
- 137 Liberalisation of International Civil Aviation through the Lens of Strategic Airline Alliances (*Antigoni Lykotrafiti, University of West London*)

ROOM: NEFELI A

7-C AIRPORT STRATEGY & MANAGEMENT

Chair: Peter Forsyth, *Monash University*

- 227 Productivity and Over-capacity: The Case of the Spanish Airport System (*Ane Elixabete Ripoll-Zarraga, Universitat Autònoma de Barcelona (UAB); Nicole Adler, Hebrew University of Jerusalem (HUJI); Ane Elixabete Ripoll-Zarraga, Universitat Autònoma de Barcelona (UAB)*)
- 145 Examining the Surface Access Impacts of Trips Made by Airport "Meeter-Greeters": A Study of the London Multi-airport Region (*Thomas Budd, Cranfield University*)
- 92 United Kingdom Airport Car Parking Revenue Management: A Comparison of Three Regional Airport Pairs (*Richard Moxon, Cranfield University*)

SUNDAY 26 JUNE 2016 RHODES GREECE

216 Measuring and Evaluating Passenger Parking Behavior and Parking Pricing Strategies at Off-shore-Island Makung Airport (*Sui-Ling Li, National Penghu University of Science and Technology*)

ROOM: NEFELI B

7-D AVIATION CASE STUDIES

Chair: Mikio Takebayashi, Kobe University

164 The End of European Charter Airlines: Myths and Realities (*David Ramos-Perez, University of Salamanca; Frederic Dobruszkes, Brussels University (ULB)*)

291 Multifaceted Aspects of Interrelations between HSR and Air Transport in View of Some Relevant Japanese Cases (*Taizo Hayashi, University of Tokyo*)

27 Gravity model of panel data for passenger movement on domestic air routes in Brazil (*Ricardo Rodrigues Pacheco, Federal University of Rio de Janeiro, COPPE; Elton Fernandes, Federal University of Rio de Janeiro (COPPE); Ivy Costa Torres Machado, Federal University of Rio de Janeiro, COPPE*)

76 Competition and Consolidation in the Philippine Domestic airline Industry (*John F O'Connell, Cranfield University; Wilfred S Manuela Jr, Ateneo de Manila University*)

ROOM: ALPHA

7-E MARKETING IN AIR TRANSPORT

Chair: Andreas Knorr, German University of Administrative Sciences Speyer

30 Passenger Loyalty Determinants for Low Cost Carrier in Income Segmentation (*Whei-Li Lu, Chinese Culture University; Sue Ling Lai, Chinese Culture University*)

134 Determinants of Customer Loyalty: A Field Research in Aviation Industry (*Nuriye Gures, Iskenderun Technical University; Inan Hilal, Cukurova University; Seda Arslan, Iskenderun Technical University*)

135 Assessing the Self-service Technology Usage of Y-Generation in Airline Services (*Hilal Inan, Cukurova University; Nuriye Gures, Iskenderun Technical University; Seda Arslan, Iskenderun Technical University*)

231 The Airline Itinerary Choice Problem in a Dynamic Supply Environment: Results from a Stated Preference Survey (*Uzi Freund-Feinstein, Kinneret Academic College; Shlomo Bekhor, Technion Israel Institute of Technology*)

12:00-12:15 BREAK

12:15-13:45 GENERAL ASSEMBLY - CLOSING CEREMONY

ROOM: DELPHI AUDITORIUM

Ioannis Stavlas, Chief Secretary of the ATRS 2016 Organizing Committee

2 3 - 2 6 J U N E 2 0 1 6 R H O D E S G R E E C E

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