

## Programme Schedule

	Thu, 2 Jul	Fri, 3 Jul	Sat, 4 Jul	Sun, 5 Jul
0800-0830		Registration		
0830-0900		Welcome Address		
0900-0930		Keynote Session I: The Changing Aviation Landscape in Asia	Concurrent Session II	Concurrent Session VI
0930-1000				
1000-1030	Airport Benchmarking Taskforce Meeting, "By invitation only"	Coffee Break	Coffee Break	
1030-1100		Coffee Break		
1100-1130		Keynote Session II: Global Airport Perf. Benchmarking Report & Excellence Awards Session	Concurrent Session III	Concurrent Session VII
1130-1200	Lunch			
1200-1230	ATRS Network Committee, "By invitation only"			General Assembly
1230-1300			Lunch	
1300-1330			Lunch	
1330-1400				
1400-1430	ATRS Executive Committee Meeting, "By invitation only"		Concurrent Session IV	
1430-1500		Keynote Session III: Best Practices in Airport Management		
1500-1530			Coffee Break	
1530-1600		Coffee Break		
1600-1630	PhDs and Junior Faculty Workshop	Technical Tour (Changi Airport T3 Landside)	Concurrent Session V	
1630-1700			Concurrent Session I	
1700-1730				
1730-1800				
1800-1830	Registration and Welcome Reception		Social Programme: Marina Bay Tour	
1830-1900				
1900-1930				
1930-2000				
2000-2030		Gala Dinner		
2030-2100				
2100-2130				
2130-2200				

Jointly Organised By:

Supported By:

# Concurrent Sessions Overview

## Friday, 3<sup>th</sup> July

### 16:30-18:00 Concurrent Session 1

<b>Session 1-A</b> Seminar Room 12	<b>Singapore Air Logistics Panel Session</b>
<b>Session 1-B</b> Seminar Room 3/4	<b>Airport Strategy, Management and Operations</b>
<b>Session 1-C</b> Seminar Room 5/6	<b>Airline Economics</b>
<b>Session 1-D</b> Seminar Room 7/8	<b>Aviation Safety &amp; Security</b>
<b>Session 1-E</b> Seminar Room 9	<b>Air Transport Demand</b>
<b>Session 1-F</b> Seminar Room 10	<b>Air Transport Policy &amp; Regulation</b>
<b>Session 1-G</b> Seminar Room 1/2	<b>Air Cargo</b>

## Saturday, 4<sup>th</sup> July

### 8:30-10:00 Concurrent Session 2

<b>Session 2-A</b> Seminar Room 12	<b>FAA Special Session: Improvements in Measuring Aviation System Performance</b>
<b>Session 2-B</b> Seminar Room 3/4	<b>Airport Strategy, Management and Operations</b>
<b>Session 2-C</b> Seminar Room 5/6	<b>Airline Economics</b>
<b>Session 2-D</b> Seminar Room 7/8	<b>Aviation Safety &amp; Security</b>
<b>Session 2-E</b> Seminar Room 9	<b>Air Transport Demand</b>
<b>Session 2-F</b> Seminar Room 10	<b>Airline Strategy, Management and Operations</b>
<b>Session 2-G</b> Seminar Room 1/2	<b>Air Transport Policy &amp; Regulation</b>

### 10:30-12:00 Concurrent Session 3

<b>Session 3-A</b> Seminar Room 3/4	<b>Airline Network Development</b>
<b>Session 3-B</b> Seminar Room 12	<b>Airport Strategy, Management and Operations</b>
<b>Session 3-C</b> Seminar Room 5/6	<b>Airline Economics</b>
<b>Session 3-D</b> Seminar Room 7/8	<b>Air Transport Demand</b>
<b>Session 3-E</b> Seminar Room 1/2	<b>Airline Strategy, Management and Operations</b>
<b>Session 3-F</b> Seminar Room 9	<b>Air Traffic Control</b>
<b>Session 3-G</b> Seminar Room 10	<b>Aviation &amp; Economic Development</b>

### 14:00-15:30 Concurrent Session 4

<b>Session 4-A</b> Seminar Room 1/2	<b>Airport Strategy, Management and Operations</b>
<b>Session 4-B</b> Seminar Room 3/4	<b>Aviation &amp; Tourism</b>

<b>Session 4-C</b> Seminar Room 5/6	<b>Air Transport Demand</b>
<b>Session 4-D</b> Seminar Room 7/8	<b>Airline Strategy, Management and Operations</b>
<b>Session 4-E</b> Seminar Room 9	<b>Environmental Issues in Air Transport</b>
<b>Session 4-F</b> Seminar Room 12	<b>Airport and Airline Performance</b>
<b>Session 4-G</b> Seminar Room 10	<b>Low-Cost Carriers</b>

### 16:00-17:30 Concurrent Session 5

<b>Session 5-A</b> Seminar Room 12	<b>Airport Strategy, Management and Operations</b>
<b>Session 5-B</b> Seminar Room 3/4	<b>Operations Research in Air Transport</b>
<b>Session 5-C</b> Seminar Room 5/6	<b>Aviation Safety &amp; Security</b>
<b>Session 5-D</b> Seminar Room 7/8	<b>Airport Economics</b>
<b>Session 5-E</b> Seminar Room 9	<b>Environmental Issues in Air Transport</b>
<b>Session 5-F</b> Seminar Room 10	<b>Airport and Airline Performance</b>
<b>Session 5-G</b> Seminar Room 1/2	<b>Low-Cost Carriers</b>

## Sunday, 5<sup>th</sup> July

### 8:30-10:00 Concurrent Session 6

<b>Session 6-A</b> Seminar Room 12	<b>Airport Economics</b>
<b>Session 6-B</b> Seminar Room 3/4	<b>Airline Strategy, Management and Operations</b>
<b>Session 6-C</b> Seminar Room 5/6	<b>Environmental Issues in Air Transport</b>
<b>Session 6-D</b> Seminar Room 7/8	<b>Airport and Airline Performance</b>
<b>Session 6-E</b> Seminar Room 9	<b>Revenue Management &amp; Pricing</b>
<b>Session 6-F</b> Seminar Room 1/2	<b>Marketing and Market Outlook in Air Transport</b>

### 10:30-12:00 Concurrent Session 7

<b>Session 7-A</b> Seminar Room 12	<b>Airline Strategy, Management and Operations</b>
<b>Session 7-B</b> Seminar Room 3/4	<b>Aviation Safety &amp; Security</b>
<b>Session 7-C</b> Seminar Room 5/6	<b>Intermodal and Air Travel Alternatives</b>
<b>Session 7-D</b> Seminar Room 7/8	<b>Marketing and Market Outlook in Air Transport</b>
<b>Session 7-E</b> Seminar Room 9	<b>Airport Strategy, Management and Operations</b>
<b>Session 7-F</b> Seminar Room 1/2	<b>Aviation Case Studies</b>

# Conference Programme

## Thursday, 2<sup>th</sup> July

- 10:00-11:30** Airport Benchmarking Taskforce Meeting (by invitation only)  
Room: Seminar Room 10
- 11:30-12:00** Lunch
- 12:00-14:00** ATRS Networking Committee Meeting (by invitation only)  
Room: Seminar Room 10
- 14:00-16:00** ATRS Executive Committee Meeting (by invitation only)  
Room: Seminar Room 10
- 15:30-18:00** **Technical Tour** (Changi Airport Terminal 3)
- 16:00-17:45** **Ph.D. Student and Junior Faculty Workshop** (registration required)  
Room: **Seminar Room 12 - GLOBAL LEARNING ROOM**
- 18:00-20:00** **Registration and Welcome Reception**  
Room: **TOWN PLAZA Level 2 Study Area**

## Friday, 3<sup>rd</sup> July

- 8:30-9:00** **Welcome Address**  
Room: **UTOWN Auditorium 1**  
Mr. Yap Ong Heng, Director-General, CAAS  
Prof. Martin Dresner, President, ATRS
- 9:00-10:30** **Keynote Session I: The Changing Aviation Landscape in Asia**  
Room: **UTOWN Auditorium 1**  
Moderator: Prof. Alan Khee-Jin Tan, National University of Singapore  
Dr. Jeffrey Goh, Chief Operating Officer and General Counsel, Star Alliance  
Mr. Barathan Pasupathi, CEO, Jetstar Asia  
Mr. Conrad Clifford, Regional Vice President, Asia-Pacific, International Air Transport Association (IATA)  
Ms. Yeoh Siew Hoon, CEO, Web-in-Travel  
Prof. Lee Der-Horng, National University of Singapore
- 10:30-11:00** **Coffee Break**  
TOWN PLAZA Level 2 Study Area
- 11:00-12:30** **Keynote Session II: 2015 ATRS Global Airport Performance Benchmarking Report And Excellence Awards Session**  
Room: **UTOWN Auditorium 1**  
Moderator: Dr. Tae Hoon Oum, UPS Chair Professor, University of British Columbia, and Chairman of The ATRS  
Keynote Presenter: Dr. Chunyan Yu, College of Business, Embry Riddle Aeronautical University, Daytona Beach, FL, and coordinator of the ATRS Task Force, "Key Results of the 2014 ATRS Global Airport Performance Benchmarking Project"

### **Airport Excellence Award Presentation**

North American Airport Efficiency Excellence Award winner:

#### **Hartsfield-Jackson Atlanta International Airport**

Presented to Mr. Miguel Southwell, General Manager-CEO

By Prof. Tae Hoon Oum, Founding Chair of the ATRS Task Force

Asian Airport Efficiency Excellence Award winner:

#### **JeJu International Airport (of Korea Airport Corporation)**

Presented to Mr. Suk-ki Kim, KAC President-CEO

By Dr. Micheal Williams, Dean, College of Business, Embry Riddle Aeronautical University, Daytona Beach, FL.

European Airport Efficiency Excellence Award winner:

#### **Copenhagen International Airport**

Presented to Mr. Thomas Woldbye, President-CEO

By Prof. Chunyan Yu, College of Business, Embry Riddle Aeronautical University, and Coordinator of the ATRS Task Force

European Airport Efficiency Excellence Award winner in the small-medium size airport category:

#### **Athens International Airport**

Presented to Mr. George Kallimasias, Director, Corporate Planning, Athens International Airport

By Prof. Yeong-Heok Lee, Korea Aerospace University, Seoul

Oceanian Airport Efficiency Excellence Award winner:

#### **Sydney International Airport**

Presented to recipient TBA

By Prof. Peter Forsyth, Monash University, Melbourne

### **12:30-14:30 Lunch**

Luncheon sponsored by Centre for International Law, National University of Singapore

### **14:30-16:00 Keynote Session III: Best Practices in Airport Management**

**Room: UTOWN Auditorium 1**

Moderator: Prof. Martin Dresner, University of Maryland, ATRS President

Panelists:

Mr. Miguel Southwell, General Manager-CEO, Hartfield Jackson Atlanta International Airport

Mr. Thomas Woldbye, President-CEO, Copenhagen International Airport

Mr. Robert Deillon, CEO, Genève Aéroport

Mr. Balram Bheodari, General Manager, Houston Bush Intercontinental Airport

Mr. Kwang Soo Lee, Vice President, Seoul Incheon International Airport

Mr. George Kallimasias, Director of Corporate Planning, Athens International Airport

Mr. Jay Hee Park, Director of Aviation Marketing Team, Korea Airports Corp.

### **16:00-16:30 Coffee Break**

TOWN PLAZA Level 2 Study Area

### **16:30-18:00 Concurrent Sessions 1**

#### **Session 1-A Singapore Air Logistics Panel Session**

**Room: Seminar Room 12**

Moderator: Karmjit Singh

Panelists:

Mr. Lim Ching Kiat, Senior Vice President Market Development/Air Hub Development, Singapore Changi Airport

Mr. Thijs Sommen, Executive Vice President Group EXCO & Corporate Support, SingPost

Mr. Emile van der Berg, Director Commercial Air & AMEA Network, TNT

Mr. Wong Chee Meng, Senior Vice President Cargo Services, SATS

Mr. Alvin Tay, Vice President Sales & Marketing, Singapore Airlines (SIA Cargo)

Mr. Raymond Cheung, Vice President Asia Pacific, UPS

## **Session 1-B Airport Strategy, Management and Operations**

### **Room: Seminar Room 3/4**

Chair: Tae H. OUM, University of British Columbia

- 118 Competitive Position of Airports in the Asian and Middle-Eastern Aviation Network (Darshi PIYATHILAKE, Cranfield University; Keith MASON, Cranfield University; Pere SUAU-SANCHEZ, Cranfield University)
- 255 The Robustness of LCC Bases in Europe (Jaap DE WIT, University of Amsterdam; Joost ZUIDBERG, SEO Economic Research)
- 72 Hub Competition between Single-airport System and Multi-airport System (Tae Seong KIM, Incheon International Airport Corporation)
- 183 Transportation Network Companies and Airports: An Evaluation of Transportation Network Companies' Impact on William P. Hobby Airport (Perry J. MILLER, William P. Hobby Airport)

## **Session 1-C Airline Economics**

### **Room: Seminar Room 5/6**

Chair: Gianmaria MARTINI, University of Bergamo

- 9 Weather Delays and Airline Firm Value – An Empirical Analysis (Jayendra GOKHALE, Embry-Riddle Aeronautical University; Sunder RAGHAVAN, Embry-Riddle Aeronautical University)
- 166 Determinants of Partnership Level in Airline/High-Speed Rail Cooperation (Changmin JIANG, University of Manitoba; Yulai WAN, Hong Kong Polytechnic University; Tiziana D'ALFONSO, Sapienza Università di Roma)
- 227 Efficiency Analysis of Taiwan Offshore Island Air Routes (Chieh-Yu HSIAO, National Chiao-Tung University; Wei-Feng CHANG, National Chiao-Tung University; Pin-Chi HUANG, National Chiao-Tung University)
- 156 Shedding Light on Cost Stickiness - Insights from the Airline Industry (Ulf DIEFENBACH, EBS Business School; Fiona WALTER, Deutsche Lufthansa AG)

## **Session 1-D Aviation Safety & Security**

### **Room: Seminar Room 7/8**

Chair: Terence FAN, Singapore Management University

- 30 Study on Aviation Safety Pattern in Taiwan since 1998 (Alex LU, Kainan University; Cheng-Hua YANG, National Kaohsiung University of Hospitality and Tourism; Sherry LIU, Aviation Safety Council-Taiwan; Joseph CHEN, Kainan University)
- 187 A Scientific Support on the Endeavors toward Coverage of the North Polar Area Currently Unmonitored by Volcanic Ash Advisory Centers (VAACs) (Ruzica VUJASINOVIC, German Aerospace Center (DLR); Tanja LUCHKOVA, German Aerospace Center (DLR))
- 53 Analysis of Safety Worries towards Aviation Accidents Using Cox Proportional Hazards Model (Chen-Wei LI, Tokyo Institute of Technology; Tetsuo YAI, Tokyo Institute of Technology; Veng Kheang PHUN, Institution for Transport Policy Studies (ITPS); Mio SUZUKI, Tokyo Institute of Technology)
- 340 The Super-Function - Optimizing Airline Performance and Mission Success (Kevin M. SMITH)
- 241 A Hierarchical Structured Model for Airline Safety Health Assessment (Jinn-Tsai WONG, National Chiao-Tung University; Wen-Chien YEH, Kainan University)

## **Session 1-E Air Transport Demand**

### **Room: Seminar Room 9**

Chair: Zhaowei ZHONG, Nanyang Technological University

- 36 Passenger Choice on Direct and Connecting Flights in Indonesian Domestic Market (Shinya HANAOKA, Tokyo Institute of Technology; Jiawen JIANG, Tokyo Institute of Technology; Batari SARASWATI, Tokyo Institute of Technology)
- 248 The Impact of Operational Exposure on Airline Choice (Martin DRESNER, University of Maryland; Woohyun CHO, University of New Orleans; Robert WINDLE, University of Maryland)
- 209 Determinants of Passengers' Choice of Airlines in Australia-Vietnam Market (Chrystal ZHANG, Swinburne University of Technology; Je-An LUI, Swinburne University of Technology; Lee Ching WONG, Swinburne University of Technology; Kim Thi NGUYEN, Swinburne University of Technology)
- 50 Value of Time and Willingness to Pay in Regional Aviation (Rico MERKERT, University of Sydney; Matthew BECK, University of Sydney)

**Session 1-F Air Transport Policy & Regulation****Room: Seminar Room 10**

Chair: Peter FORSYTH, Monash University

- 135 Negotiate-Arbitrate Regulation of Airport Services: Experience in Australia (Margaret ARBLASTER, Monash University)
- 78 Permitting Foreign Ownership and Control - Potential Effects of a Further Deregulation of Air Transportation Markets in Europe (Frank FICHERT, Worms University of Applied Sciences)
- 274 Can Market Power be Controlled by Regulation of Core Prices Alone? (Achim I. CZERNY, VU University Amsterdam and Tinbergen Institute; Zijun SHI, Carnegie Mellon University; Anming ZHANG, University of British Columbia)

**Session 1-G Air Cargo****Room: Seminar Room 1/2**

Chair: Sveinn GUDMUNDSSON, Toulouse Business School

- 52 Econometric Evidence on the Determinants of Air Freight in South Asian Countries (Md Mahbubul Hakim HAKIM, University of Sydney; Rico MERKERT, University of Sydney)
- 6 Fuzzy Modelling Applied to Assessment of Impact Factors for Air Cargo Demand Scenario Emulation (Fabio KRYKHTINE, Federal University Rio de Janeiro; Luis RAYMUNDO, Loughborough University; Carlos COSENZA, Federal University Rio de Janeiro; David PITFIELD, Federal University Rio de Janeiro; Felix MORA-CAMINO, French Civil Aviation Institute-ENAC)
- 172 Air Cargo and Maritime Transport: Friends or Foes? (Evy ONGHENA, University of Antwerp; Franziska KUPFER, University of Antwerp; Hilde MEERSMAN, University of Antwerp; Eddy VAN DE VOORDE, University of Antwerp)
- 80 Challenges to Domestic Air Freight in Australia: Evaluating Air Traffic Markets with Gravity Modelling (David ALEXANDER, University of Sydney; Rico MERKERT, University of Sydney)
- 89 Shipment Planning of An Integrated Air freight and Sea freight Forwarder (Yuh-Horng WEN, Tamkang University)

---

**18:30 Gala Dinner**

---

**Saturday, 4<sup>th</sup> July**

---

**8:30-10:00 Concurrent Sessions 2****Session 2-A FAA Special Session: Improvements in Measuring Aviation System Performance****Room: Seminar Room 12**

Chair: David Chin, Federal Aviation Administration

- 330 Oceanic Operational Benefits in the Era of Advanced Air Traffic Management Surveillance (Antonio TRANI, Tao LI, Thomas SPENCER, John GULDING, Thea GRAHAM, David CHIN, Joe POST)
- 331 Sparse and efficient operations in airport security screening (Chung Piau TEO)
- 332 ATO Operational Metrics for Efficient use of Capacity (John GULDING, FAA)
- 250 A Systematic Review of ADS-B Performance Monitoring Methods (Busyairah SYD ALI, University of Malaya)

**Session 2-B Airport Strategy, Management and Operations****Room: Seminar Room 3/4**

Chair: Chunyan YU, Embry-Riddle Aeronautical University

- 66 A High-fidelity Artificial Airport Environment for SESAR APOC Validation Experiments (Florian PIEKERT, German Aerospace Center (DLR), Institute of Flight Guidance; Sebastian SCHIER, German Aerospace Center (DLR), Institute of Flight Guidance; Alan MARSDEN, EUROCONTROL; Nils CARSTENGERDES, German Aerospace Center (DLR), Institute of Flight Guidance; Reiner SUIKAT, German Aerospace Center (DLR), Institute of Flight Guidance)
- 4 Aircraft Ground Flow Management Strategies (Lucas AREA LEO BARRETO, Instituto Tecnológico de Aeronáutica (ITA))
- 188 Preferences of Airport Management on Terminal Facilities in Low Cost Terminal (LCT) Design (Rohafiz SABAR, Universiti Utara Malaysia; Nur Khairiel ANUAR, Cranfield University)

- 90 Air Passengers' Route Choice Behavior among Competing Hub-Airports (Sihyun YOO, Korea Aerospace University; Se-Yeon JUNG, Korea Aerospace University; Kwang-Eui YOO, Korea Aerospace University)

**Session 2-C Airline Economics**

**Room: Seminar Room 5/6**

Chair: Martin DRESNER, University of Maryland

- 222 Empirical Analysis of Chinese Airlines' Responses to the Entry of High-Speed Rail (Qiong ZHANG, Anhui Normal University; Hangjun YANG, University of International Business and Economics; Qiang WANG, University of International Business and Economics)
- 18 Incumbent Strategic Investment in Capacity: Evidence from Major Airlines Facing Potential Competition at Primary Airports (Humberto BETTINI, Instituto Tecnológico de Aeronautica (ITA); Alessandro OLIVEIRA, Instituto Tecnológico de Aeronautica (ITA); Jose Maria SILVEIRA, Universidade Estadual de Campinas (Unicamp))
- 11 Could the Market Power Explain Hub Premiums? (Chi Lok Andrew YUEN, Chinese University of Hong Kong; Zheng LEI, University of Surrey; Clement Kong Wing CHOW, Lingnan University; Michael Ka Yiu FUNG, The Chinese University of Hong Kong)
- 162 Horizontal Mergers and Acquisitions, Distress, Relative Size, and the Firm's Unit Cost (Sveinn GUDMUNDSSON, Toulouse Business School; Rico MERKERT, University of Sydney; Renato REDONDI, University of Brescia)

**Session 2-D Aviation Safety & Security**

**Room: Seminar Room 7/8**

Chair: Mikio TAKEBAYASHI, Kobe University

- 51 Measuring the Effect of Specific Safety Information on Flight Choice in Young Leisure Travellers (Tay KOO, University of New South Wales; Carlo CAPONECCHIA, University of New South Wales; Ann WILLIAMSON, University of New South Wales)
- 184 Do Key Differences in Human-machine Interface Design Philosophy between Aircraft Types Influence the Causal Mechanisms of Hull Loss Accidents across the Aviation Industry (Chrystal ZHANG, Swinburne University of Technology; Jonathan PHILLIPS, All Nippon Airways; Matthew EBBATSON, Swinburne University of Technology)
- 148 Landing Undershoot Accidents: An analysis of Deceleration and the X Location of the Wreckage (David PITFIELD, Loughborough University; David GLEAVE, Loughborough University)
- 240 Thermal Regions as Airspace Classes for UAS (Resul FIKIR, Air War College in Turkey)
- 86 Ambiguity in Leadership Communication: A Latent Hazard in the Aviation Community? (I.K. DABIPI, University of Maryland Eastern Shore; James Bryan BURROWS-MCELWAIN, University of Maryland Eastern Shore; Dollie McCORMICK, Nova Southeastern University)

**Session 2-E Air Transport Demand**

**Room: Seminar Room 9**

Chair: Anming ZHANG, University of British Columbia

- 226 Analysis of Air Passenger Demand Elasticities in Different Markets and Regions (Chieh-Yu HSIAO, National Chiao-Tung University; Yun-Cheng CHOU, National Chiao-Tung University)
- 232 Forecasts of Scheduled Passenger Traffic for New Airports with Limited Data (Rodrigo CRUZ, Civil Aviation Secretariat, Federative Republic of Brazil; Erica SILVA, Civil Aviation Secretariat, Federative Republic of Brazil)
- 77 LCC Entry Impacts to Passenger Demand of the Route and Competitive Route (Tomoki ISHIKURA, Tokyo Metropolitan University; Kohei YAMAMOTO, Japan Railway Construction, Transport and Technology Agency)
- 132 Limits to Air Travel Growth: Frequent and Infrequent Flyers (Anne GRAHAM, University of Westminster; David METZ, University College London (UCL))
- 239 Imperfect Reversibility in Aviation: Further Evidence (Zia WADUD, University of Leeds)

**Session 2-F Airline Strategy, Management and Operations**

**Room: Seminar Room 10**

Chair: Michael WILLIAMS, Embry-Riddle Aeronautical University

- 181 The Positive Moments in Customer Service by Cabin Crew (Noriko OKABE, Yokohama National University)
- 203 An Analysis of Delta's Oil Refinery Acquisition (Wilfred S. MANUELA JR., Ateneo de Manila University; Dawna L. RHOADES, Embry-Riddle Aeronautical University; Tamilla CURTIS, Embry-Riddle Aeronautical University)

- 116 Airline Maintenance Strategies -in-house VS. Outsourced - An Optimization Approach (Massoud BAZARGAN, Embry-Riddle Aeronautical University)
- 264 European and North American Air Cargo Carriers: An Analysis of Their Respective Hub and Network Strategies (Wouter DEWULF, University of Antwerp)
- 73 Effects of the Variability in the Distribution of Passenger Luggage on the Boarding Policy (Vicenc FERNANDEZ, Universitat Politècnica de Catalunya - BarcelonaTech; Oriol LORDAN, Universitat Politècnica de Catalunya - BarcelonaTech; Jose M. SALLAN, Universitat Politècnica de Catalunya - BarcelonaTech; Miguel BOTTO, Universitat Politècnica de Catalunya - BarcelonaTech; Javier BENITEZ, Universidad Estatal de Milagro)

## **Session 2-G Air Transport Policy & Regulation**

**Room: Seminar Room 1/2**

Chair: Dieter WILKEN, German Aerospace Center (DLR)

- 246 Supporting Air Transport Policies Using Big Data Analysis (Jin-Seo PARK, The Korea Transport Institute; Ga-ram SIM, The Korea Transport Institute; Hyun-jung KIM, Ewha Womans University; Nam-ok JO, Ewha Womans University; Kyung-shik SHIN, Ewha Womans University; Je-chul KIM, The Korea Transport Institute)
- 129 'A.S.E.A.N.' - A Single European Approach to New - Open Skies in Asia? (Sarah FOX, Coventry University; Rosida ISMAIL, Institute of Diplomacy & Foreign Relations)
- 268 Collision Course: Passenger Rights VS. Airline Employees' Right to Strike – Economic and Legal Aspects (Andreas KNORR, German University of Administrative Sciences; Claudia HIPPE, German University of Administrative Sciences)
- 276 Pakistan's National Aviation Policy 2015: An Unprecedented Opportunity for Global & Regional Aviation Business Entrepreneurs (Wali MUGHNI, Institute of Business Administration & Aviation Sciences, Karachi)

## **10:00-10:30 Coffee Break**

TOWN PLAZA Level 2 Study Area

## **10:30-12:00 Concurrent Sessions 3**

### **Session 3-A Airline Network Development**

**Room: Seminar Room 3/4**

Chair: Florian HEINITZ, Erfurt University of Applied Sciences

- 45 Is There a Need and Scope to Revitalize Small Regional Air Transport in Europe? (Sven MAERTENS, German Aerospace Center (DLR); Wolfgang GRIMME, German Aerospace Center (DLR))
- 161 Competition for Long-Haul Connecting Traffic Among Airports in Europe and the Middle East (Tobias GROSCHE, Worms University of Applied Sciences; Richard KLOPHAUS, Worms University of Applied Sciences; Adam SEREDYNSKI, Amadeus Germany GmbH, Frankfurt Airport Center)
- 37 Analysis on the Network Power among Airlines of ASEAN (Sung-Yeoul OH, The Korea Transport Institute; Yonghwa PARK, Inha University)
- 238 Air Route Suspension: Lessons from Australia (Gui LOHMANN, Griffith University; Camila VIANNA, Flight Centre Group)

### **Session 3-B Airport Strategy, Management and Operations**

**Room: Seminar Room 12**

Chair: Perry J. MILLER, William P. Hobby Airport

- 176 The Rise and Fall of Regional International Airports in New Zealand as a Consequence of Airline Volatility (David LYON, School of Business, Bay of Plenty Polytechnic; Graham FRANCIS, Loughborough University)
- 125 Air Travel Banks: A Public-Private Partnership Approach to Airport Route Development (Richard KLOPHAUS, Worms University of Applied Sciences)
- 28 Robustness of Regional Air Transport Networks (David GONZALEZ-PRIETO, Volotea; Oriol LORDAN, Universitat Politècnica de Catalunya - BarcelonaTech; Jose M SALLAN, Universitat Politècnica de Catalunya - BarcelonaTech; Vicenc FERNANDEZ, Universitat Politècnica de Catalunya - BarcelonaTech)
- 25 Dynamic Robustness of the European Air Transport Network (Jose M SALLAN, Universitat Politècnica de Catalunya - BarcelonaTech; Marc MELGOSA, Universitat Politècnica de Catalunya - BarcelonaTech; Oriol LORDAN, Universitat Politècnica de Catalunya - BarcelonaTech; Vicenc



FERNANDEZ, Universitat Politecnica de Catalunya - BarcelonaTech; David GONZALEZ-PRIETO, Universitat Politecnica de Catalunya - BarcelonaTech)

### **Session 3-C Airline Economics**

**Room: Seminar Room 5/6**

Chair: Rico MERKERT, University of Sydney

- 158 Economic Evaluation of Airline Liberalisation - Which Technique to Use? (Peter FORSYTH, Monash University; Hans-Martin NIEMEIER, UAS Bremen; Eric NJOYA, UAS Bremen)
- 88 Market Structure and Airline Pricing: Evidence from the Chinese Airline Industry (Hangjun YANG, University of International Business and Economics; Jiaqiang SONG, CNPC Managers Training Institute; Qiang WANG, University of International Business and Economics)
- 185 Effect of CEO Age on Firm Performance: A Study of the Airline Industry (Hari P. ADHIKARI, Embry-Riddle Aeronautical University; Sunder RAGHAVAN, Embry-Riddle Aeronautical University)
- 1 An Application of Super – Efficiency Data Envelopment Analysis to Airlines Performance Evaluation (Bo LIN, Massey University; Kan TSUI, Massey University)

### **Session 3-D Air Transport Demand**

**Room: Seminar Room 7/8**

Chair: Changmin JIANG, University of Manitoba

- 273 Exit and Social Efficiency: Japanese Domestic Local Market (Ryohei YAMAMOTO, Kobe University; Ujo GOTO, University of Kitakyushu)
- 261 Competition between Air and High Speed Rail in Japan after the Opening of Hokuriku Shinkansen (Kazuyuki TAKADA, Tokyo Denki University; Makoto FUJII, Kanazawa University)
- 31 Evaluating the Importance of Air-Service for Travel Demand: Empirical Analysis of Japan (Hiromichi YAMAGUCHI, Tohoku University; Makoto OKUMURA, Tohoku University)
- 154 Estimation of Route-Based Air Travel Demand Elasticities in Nigeria (E.A. EJEM, Federal University of Technology; I.C. OGWUDE, Federal University of Technology; C.C. IBE, Federal University of Technology; C.C. IKEOGU, Federal University of Technology; S.M. NZOTTA, Federal University of Technology)

### **Session 3-E Airline Strategy, Management and Operations**

**Room: Seminar Room 1/2**

Chair: Dawna RHOADES, Embry-Riddle Aeronautical University

- 136 Systematic Development of Pre-tactical Airline Key Performance Indicators (Steffen WENZEL, German Aerospace Center (DLR); Larissa REUTER; Klaus LUETJENS, German Aerospace Center (DLR))
- 280 Airline Maintenance Strategies – In-House vs. Outsourced – A Simulation Approach (Michael WILLIAMS, Embry-Riddle Aeronautical University; Aitor LAZO, Embry-Riddle Aeronautical University; Massoud BAZARGAN, Embry-Riddle Aeronautical University)
- 220 Analytical Models of Traditional versus Virtual Code-share Partnerships in the Airline Industry (Yan DU, Beijing Normal University-Hong Kong Baptist University United International College)
- 272 Alliance membership and operating performance (Ian DOUGLAS, University of New South Wales)
- 171 The Relationship between Airlines' Cooperative Embeddedness and Performance: Evidence from Alliance Memberships and Codeshare Agreements (Klemens KLEIN, University of Cologne; Florian ALLROGGEN, Massachusetts Institute of Technology; Robert MALINA, Massachusetts Institute of Technology)

### **Session 3-F Air Traffic Control**

**Room: Seminar Room 9**

Chair: Peter BRUCE, Swinburne University of Technology

- 252 Multidimensional Benchmarking of Air Navigation Service Providers (Thomas STANDFUSS, German Aerospace Center (DLR))
- 121 Interactions in Complex Systems - An Air Navigation Service Provider Model (Michael KREUZ, German Aerospace Center (DLR); Michael SCHULTZ, German Aerospace Center (DLR))
- 33 Introduction of New Navigation Technologies and Air Traffic Control Charging Systems (Kiyotaka YUGUCHI, Sagami Women's University)
- 47 The Effects of Airway Double-Tracking: The Case of NOSS Data Analysis (Hyunil PARK, Korea Aerospace University; Woo Choon MOON, Korea Aerospace University; Yeong-Heok LEE, Korea Aerospace University; Ye-Jin Park, Korea Aerospace University)

### **Session 3-G Aviation & Economic Development**

#### **Room: Seminar Room 10**

Chair: Richard MOXON, Cranfield University

- 165 Air Transportation and Regional Development: A Quantitative Study of Impacts and Policies (Alda METRASS MENDES, CITTA, University of Coimbra; Antonio Pais ANTUNES, CITTA, University of Coimbra)
  - 146 A Study of the Air Transport Services in Regional Australia (Yahua ZHANG, University of Southern Queensland)
  - 94 Accessibility to Italian Remote Regions: When Air Transport Is the Best Alternative? (Paolo BERIA, Politecnico di Milano; Antonio LAURINO, Politecnico di Milano; Andrea DEBERNARDI, Studio META)
  - 123 The Use of Growth Curves in Forecasting Market Demand of Large Civil Aircraft (Qiwei HU, Commercial Aircraft Corporation of China; Hangjun YANG, University of International Business and Economics)
- 

### **12:00-14:00 Lunch**

Luncheon sponsored by Centre for International Law, National University of Singapore

### **14:00-15:30 Concurrent Sessions 4**

---

### **Session 4-A Airport Strategy, Management and Operations**

#### **Room: Seminar Room 1/2**

Chair: David PITFIELD, Loughborough University

- 87 Apron Capacity Estimation and Timetable Management of Taiwan Taoyuan International Airport (Sui-Ling LI, National Penghu University of Science and Technology)
- 247 The Impact of Passengers' Shopping Behavior and Airport Terminal Layout on Commercial Revenues of an Airport (Cheng-Lung WU, University of New South Wales ; Yimeng CHEN, University of New South Wales)
- 201 Street Pricing Rates and Requirements in US Airport Retail Concessions RFPs (Blaise WAGUESPACK, Embry Riddle University)
- 254 Performance and Heterogeneity of Nigerian Airports (Carlos BARROS , University of Lisbon; Reuben Obioma NWAOGBE, Federal University of Technology, Minna; Inocent OGWUDE, Federal University of Technology, Owerri; Victor OMOKE, Federal University of Technology, Minna)
- 109 Passengers' Perspective toward Airport Service Quality: The Comparison between the Two Capital City Airports in Taiwan (Shih-Yao KUO, Aletheia University; Shu-Chuan CHEN, Aletheia University)

### **Session 4-B Aviation & Tourism**

#### **Room: Seminar Room 3/4**

Chair: Joel SHON, Tainan University of Technology

- 263 Boosting the Productivity of Australia's Tourism Industry (David T. TAN, University of New South Wales; Tay T.R. KOO, University of New South Wales; David Timothy DUVAL, University of Winnipeg/University of Otago)
- 180 The Evolving Role of LCCs and Tourism in the South of France (Jocelyne NAPOLI, University of Paul Sabatier, Toulouse III)
- 10 The Role of Aviation in Palawan's Tourism Development (Veronica DOMINGO, REID Foundation; Morika YU, REID Foundation)
- 134 The Effect of LCCs Operations and Scheduled Services Deregulations on Charter Business in Northeast Asia (Chuntao WU, Sichuan University)

### **Session 4-C Air Transport Demand**

#### **Room: Seminar Room 5/6**

Chair: Chrystal ZHANG, Swinburne University of Technology

- 144 Future Passenger Air Traffic Modelling: A Theoretical Concept to Integrate Quality of Travel, Cost of Travel and Capacity Constraints (Robin GHOSH, German Aerospace Center (DLR); Katrin KÖLKER, German Aerospace Center (DLR); Ivan TEREKHOV, German Aerospace Center (DLR))
- 68 Forecasting Global Air Passenger Demand Network Using Weighted Similarity Based Algorithms (Ivan TEREKHOV, German Aerospace Center (DLR); Antony EVANS, University of California Santa Cruz; Volker GOLLNICK, German Aerospace Center (DLR))
- 117 The Influence of the Emerging Middle East Carriers in the Aviation Market of South Korea (Kwang-Eui YOO, Korea Aerospace University; Baek-Jae KIM, Korea Aerospace University; Youn-Chul CHOI, Hanseo University)

- 197 Forecasting Models for Tourist Arrivals to New Zealand and the Role of Exchange Rate (Kan TSUI, Massey University; Faruk BALLI, University of Gediz; Hatice Ozer BALLI, Suleyman Sah University)

#### **Session 4-D Airline Strategy, Management and Operations**

##### **Room Seminar Room 7/8**

Chair: Koki NAGATA, University of Maryland

- 3 The Future of Unmanned Aerial System (Bijan VASIGH, Embry-Riddle Aeronautical University; Ivica KOVACIC, International Air Transport Association; Anna SIEMBIDA, Donau-Universitat Krems)
- 61 Vertical Integration in the Airline Industry (Akira MITSUMASU, Japan Airlines)
- 60 An Examination of Ongoing Trends in Airline Ancillary Revenues (John O'CONNELL, Cranfield University; David WARNOCK-SMITH, Huddersfield University)
- 58 Service Innovation in the Airline Industry: What do Clients Want? (Luciana CUALHETA, Federal University of Goias (UFG); Max Well ELIAS, Federal University of Goias (UFG); Mauro CAETANO, Federal University of Goias (UFG))
- 149 Aviation Management - Experience the Theory (Frank ZIMMERMANN, SIMULATE)

#### **Session 4-E Environmental Issues in Air Transport**

##### **Room: Seminar Room 9**

Chair: Anne GRAHAM, University of Westminster

- 225 Effectiveness and Economics of Carbon Foot-Print Reduction in Aviation (T. Lalithasiri GUNARUWAN, University of Colombo; Chanika D. MANNAWADUGE, Civil Aviation Authority of Sri Lanka)
- 67 The Impact of Technical Progress on Pollution and Noise in the Aviation Industry: An Econometric Analysis (Gianmaria MARTINI, University of Bergamo; Pak Lam LO, University of Pavia; Davide SCOTTI, University of Bergamo)
- 164 Determining Factors for Economic Impacts of Selected Market-based Measures for the Limitation of Aviation's Full Climate Impact (Janina D. SCHEELHAASE, German Aerospace Center (DLR); Katrin DAHLMANN, German Aerospace Center (DLR); Martin JUNG, German Aerospace Center (DLR), Hermann KEIMEL, German Aerospace Center (DLR), Hendrik NIESSE, German Aerospace Center (DLR); Robert SAUSEN, German Aerospace Center (DLR), Martin SCHAEFER, Bundesministerium für Verkehr und Digitale Infrastruktur (BMVI), Florian WOLTERS, German Aerospace Center (DLR))
- 138 Does It Really Matter Which Flight to Take? - Carbon Emissions of Selected Flights in Three Geographical Markets (Stefan BAUMEISTER, UCLA)

#### **Session 4-F Airport and Airline Performance**

##### **Room: Seminar Room 12**

Chair: Balram BHEODARI, Houston Intercontinental Airport

- 257 Technical Efficiency of Airports: An Approach Focused in Airport Infrastructure – Air Side (Antonio CRESPO, International Civil Aviation Organization (ICAO); Milena STUDIC, Imperial College London - Centre for Transport Studies)
- 221 Efficiency of Airports and Airline Costs at Airports (Chunyan YU, Embry-Riddle Aeronautical University; Bijan VASIGH, Embry-Riddle Aeronautical University)
- 98 An Assessment of Worldwide Airline Productivity for the Years 1999-2012 (Nicola VOLTA, Cranfield University; Davide SCOTTI, University of Bergamo)
- 91 An Assessment of Productivity and Efficiency in Nigerian Airports Using Data Envelopment Analysis (Obioma NWAOGBE, Federal University of Technology; Innocent OGWUDE, Federal University of Technology; Carlos BARROS, Technical University of Lisbon; Victor OMOKE, Technical University of Lisbon)
- 54 A Cost Benefit Analysis of Delhi Airport PPP Project (Sumana CHAUDHURI, Durgadevi Saraf Institute of Management Studies - Mumbai; Ranjan CHAUDHURI, National Institute of Industrial Engineering Mumbai)

#### **Session 4-G Low-Cost Carriers**

##### **Room: Seminar Room 10**

Chair: Ian DOUGLAS, University of New South Wales

- 243 Effect of Southwest Airlines' Entry and Airport Dominance (Ryota ASAHU, Fukuyama Heisei University; Hideki MURAKAMI, Kobe University)

- 270 Factors Influencing How Low Cost Carriers Choose Airports (Sarmad ALSHAWI, Brunel University; Xiaolei GUO, Brunel University; Wafi AL-KARAGHOULI, Brunel University; Amir SHARIF, Brunel University)
- 196 Re-Evaluating the Impact of Low Cost Carriers in New Zealand (Kan TSUI, Massey University; David LYON, School of Business, Bay of Plenty Polytechnic; Graham FRANCIS, Loughborough University)
- 13 The Impacts of Ultra-low-cost Carriers on Southwest and JetBlue: An Estimation of Actual, Adjacent, and Potential Competition (Li ZOU, Embry-Riddle Aeronautical University; Chunyan YU, Embry-Riddle Aeronautical University; Dawna RHOADES, Embry-Riddle Aeronautical University; Blaise WAGUESPACK, Embry-Riddle Aeronautical University)
- 345 The Impact of Low-cost Carriers on Airline Competition in the China-ASEAN Aviation Market (Ruwei CHEN, COMAC; Zheng LEI, University of Surrey)

**15:30-16:00 Coffee Break**

TOWN PLAZA Level 2 Study Area

**16:00-17:30 Concurrent Sessions 5**

**Session 5-A Airport Strategy, Management and Operations**

**Room: Seminar Room 12**

Chair: Shinya HANAOKA, Tokyo Institute of Technology

- 101 Passengers' Perceptions for Supporting Airport Incentive Programs (Yu-Chun CHANG, National Taiwan Ocean University; Chia-Jui HSU, National Taiwan Ocean University; Jin-Ru YEN, National Taiwan Ocean University; Hui-Kee WOON, National Taiwan Ocean University)
- 83 Strategic Risk Management and Airport Dependency in European Airports (Andreas PAPTAEODOROU, University of the Aegean; Tay-Ryang KOO, University of New South Wales; Nigel HALPERN, Molde University College; Anne GRAHAM, Molde University College; Pavlos ARVANITIS, University of the Aegean)
- 199 Necessity for Financial Transparency of Airports toward Efficient Airport Management - Simulation of Aviation Fuel Tax Allocation (Munekatsu USAMI, Osaka University; Nobuo AKAI, Osaka University)
- 56 Retailing in PPP Airports in India (Ranjan CHAUDHURI, National Institute of Industrial Engineering, Mumbai; Saumyadeep MAZOOMDAR, National Institute of Industrial Engineering, Mumbai)

**Session 5-B Operations Research in Air Transport**

**Room: Seminar Room 3/4**

Chair: Massoud BAZARGAN, Embry-Riddle Aeronautical University

- 271 The Case for SMS requirements for Ground Service Providers (Milena STUDIC, Imperial College London; Wolfgang SCHUSTER, Imperial College London; Antonio Marcio FERREIRA CRESPO, ICAO; Arnab MAJUMDAR, Imperial College London; Washington Y. OCHIENG, Imperial College London)
- 143 Assessment of Opportunities in Air Traffic Flow Management Procedures Using Dynamic Optimization (Joao Luiz FORTES, Aeronautics Institute of Technology; Carlos MULLER, Aeronautics Institute of Technology)
- 81 An Integrated Framework for Airline Timetable Planning Considering Competitors' Behavior and Multiple Travel Times (Ching-Hui TANG, National Taiwan Ocean University; Yueh-Ling HSU, Kainan University)
- 96 A Mathematical Programming Model for Aircraft Leasing Decision (Wei-Ting CHEN, Institute for Information Industry; Kuancheng HUANG, National Chiao Tung University)

**Session 5-C Aviation Safety & Security**

**Room: Seminar Room 5/6**

Chair: Kan TSUI, Massey University

- 102 Public Perception of Airline Color Schemes Regarding Safety, Price and Service Quality (Peter BRUCE, Swinburne University of Technology; Andrew ARVIER, Swinburne University of Technology; Jacob PINI, Swinburne University of Technology; Alex JENKINS, Swinburne University of Technology; Alex HARTKOPF, Swinburne University of Technology)
- 139 Auxiliary Fuzzy Investigation into the Understanding of Aircraft Accident Overrun Versus Locations (Luis RAYMUNDO, Loughborough University; David PITFIELD, Loughborough University; Carlos COSENZA, Universidade Federal do Rio de Janeiro; Fabio KRYKHTINE, Federal University Rio de Janeiro)

- 189 Paternalistic Leadership and Cabin Crew's Voice Behavior (Shu-Chuan CHEN, Aletheia University)
- 111 An Evaluation of Wayfinding and Road Signage on Driver Behaviour and Road Safety of Airport Road Access Design (Nur Khairiel ANUAR, Cranfield University; Romano PAGLIARI, Cranfield University ; Richard MOXON, Cranfield University)

#### **Session 5-D Airport Economics**

**Room: Seminar Room 7/8**

Chair: Ryu TANJI, J.F. Oberlin University

- 104 Connecting for Growth: Strategies for Increasing Competiveness of Taoyuan International Airport (Chia-Jui HSU, Taiwan Taoyuan International Airport Co. Ltd; Jin-Ru YEN, National Taiwan Ocean University; Yu-Chun CHANG, National Taiwan Ocean University)
- 214 A Critical Evaluation of the Impact on Competition of Changing Ownership Structures in UK Airports (Farhan AHMED, University of Lincoln)
- 237 Simulation-Based Turnaround Evaluation for Lelystad Airport (Miguel MUJICA MOTA , Amsterdam University of Applied Sciences; Edgar JIMENEZ, Universidad De Ibague; Jorge Pinho DE SOUSA, INESC, University of Porto; Geert BOOSTEN, Amsterdam University of Applied Sciences; Nico DE BOCK, Amsterdam University of Applied Sciences)
- 44 Optimization of Airport Bundling: How Do Airports Find Better Partners? (Mikio TAKEBAYASHI, Kobe University)
- 70 The Number of Spot Determination for Large Hub Airport (Jaesung PARK, Korea Aerospace University; Byung Jong KIM, Korea Aerospace University; Wonkyu KIM , Korea Aerospace University)

#### **Session 5-E Environmental Issues in Air Transport**

**Room: Seminar Room 9**

Chair: Janina SCHEELHAASE, German Aerospace Center (DLR)

- 275 The Policy Effectiveness of Economic Incentives in the Air Transportation Sector: The Comparative Analysis of Offset Program, Emission Tax, and Emission Trade (Joel SHON, Tainan University of Technology)
- 177 Stockholm Arlanda's 'Ecotaxi' Scheme - Lessons for Other Airports (Richard MOXON, Cranfield University)
- 194 Divergent Thresholds across Regulatory Regimes: A Case Study on Multilevel Environmental Regulation and Compliance in International Aviation (Steven TRUXAL, City University London)
- 16 Standardized Qualification for Sustainable Air Transport Development (Ivica KOVACIC, IATA; Bijan VASIGH, Embry-Riddle Aeronautical University; Igor STIMAC, Zagreb Airport Ltd.)

#### **Session 5-F Airport and Airline Performance**

**Room: Seminar Room 10**

Chair: Sven MAERTENS, German Aerospace Center (DLR)

- 151 Intangible Resources of Competitive Advantage: Analysis of 49 Asian Airlines across Three Business Models (James PEARSON, Loughborough University; David PITFIELD, Loughborough University; Tim RYLEY, Griffith University)
- 157 Technical Efficiency Analysis of Major International Airports in China: 2007- 2012 (Kok Fong SEE, Universiti Sains Malaysia; Ru JI, Shaanxi University of Science and Technology)
- 235 A Study of Operational Efficiency and Technology and Technology for Airports in Europe and the Asia-Pacific Region: A Non-Parametric Metafroniter Approach (Polin LAI, Chung-Ang University; Ying-Hsiu CHEN, Yuanpei University)
- 108 Productivity and Efficiency Evaluation of Taiwan Airports after the Three Links Agreement: A Two-Stage DEA Analysis (Yang LU, National Graduate Institute for Policy Studies; Hozumi MOROHOSI, National Graduate Institute for Policy Studies)

#### **Session 5-G Low-Cost Carriers**

**Room: Seminar Room 1/2**

Chair: Yeong Heok LEE, Korea Aerospace University

- 55 Effects of LCC's Development on Air Traffic Density of Cities: A Case of Europe (Koji DOMAE, Kobe University; Hidenobu MATSUMOTO, Kobe University)
- 208 The Impact of LCC on Non-Aeronautical Revenues in Airport: An Empirical Study of UK Airports (Muneki YOKOMI, Osaka University of Commerce; Phill WHEAT, University of Leeds; Jun MIZUTANI, Kobe University)
- 7 Base Abandonments by Low-Cost Carriers (Paolo MALIGHETTI , University of Bergamo; Renato REDONDI, University of Brescia; Stefano PALEARI, University of Bergamo)

- 266 A Strategic Analysis of Singapore Airlines: Any Chance to Leapfrog Against Middle Eastern Carrier's Slowly Boiling Cauldron? (Terence PC FAN, Lee Kong Chian School of Business (SMU); Mats LINGBLAD, Lee Kong Chian School of Business (SMU))
- 242 Gulf Carrier Ticket Pricing: How Much Cheaper Are They? (Thijs BOONEKAMP, SEO Economic Research; Rogier LIESHOUT, SEO Economic Research)

**17:30-21:15 Social Programme**

From UTown to Marina Bay (ends at City Hall MRT station)

**Sunday, 5<sup>th</sup> July**

**8:30-10:00 Concurrent Sessions 6**

**Session 6-A Airport Economics**

**Room: Seminar Room 12**

Chair: Franziska KUPFER, University of Antwerp

- 169 Benchmarking the Partial Factor Productivity of National Airport Systems – A Franco-American Comparison (Branko BUBALO, Hamburg University / German Airport Performance (GAP))
- 277 Overview of the African Airport Experience (Samson FATOKUN, IATA)
- 160 Airport Capacity Investment with Dominant Signatory Airline (Xiaowen FU, University of Sydney; Yibin XIAO, University of Electronic Science and Technology of China; Anming ZHANG, University of British Columbia)
- 212 Studies for Air Traffic Management R&D in the Local-region Context (Zhaowei ZHONG, Nanyang Technological University; Y.J. LIN, Nanyang Technological University; Dhir VARUN, Nanyang Technological University)

**Session 6-B Airline Strategy, Management and Operations**

**Room: Seminar Room 3/4**

Chair: Sarah J. FOX, Coventry University

- 127 Stated In-Flight Service Preferences for Short - to Medium - Haul Air Trips (Florian HEINITZ, Erfurt University of Applied Sciences; Marcus HIRSCHBERGER, Erfurt University of Applied Sciences)
- 114 Moving Passengers by Air: At Low-fare (Benedikt BADANIK, University of Zilina; Milan STEFANIK, University of Zilina)
- 137 Faster, Higher, Stronger? The Olympic/Aegean Merger and the Re-Emergence of the Failing Firm Doctrine (Andrew HARRINGTON, Norton White Lawyers)
- 168 A Concentration Analysis In The Turkish Domestic Air Transportation Industry Using With CRm and Herfindahl-Hirschman Indexes (Kasim KIRACI, Anadolu University; Mehmet YASAR, Anadolu University; Selcuk KAYHAN, Anadolu University; Temel Caner USTAOMER, Anadolu University)

**Session 6-C Environmental Issues in Air Transport**

**Room: Seminar Room 5/6**

Chair: Michael Z.F.LI, Nanyang Business School, NTU

- 38 Potential to Reduce the Climate Impact of Aviation by Closure of Airspace Sectors (Malte NIKLAß, German Aerospace Center (DLR); Benjamin LÜHRS, German Aerospace Center (DLR); Tanja LUCKKOVA, German Aerospace Center (DLR); Volker GREWE, German Aerospace Center (DLR); Volker GOLLNICK, German Aerospace Center (DLR); Florian Linke, German Aerospace Center (DLR))
- 192 Investigating the Impacts of Air Travelers' Environmental Knowledge on Attitudes toward Carbon Offsetting and Intentions to Participate in the Offsetting Program (Jin-Long LU, National Kaohsiung Maritime University; Chiu-Yi WANG, National Kaohsiung Maritime University)
- 112 Evaluation of the Economic Value of Operating Quieter Aircraft (Nadine GENOULAZ, Airbus Operations SAS; Pierre LEMPEREUR, Airbus Operations SAS; Paul DERMARKAR, Airbus Operations SAS)
- 124 Developing Corporate Social Responsibility Strategies for Taiwan's China Airlines (Chung-Hsing YEH, Monash University; Yu-Hern CHANG, National Cheng Kung University; Hao-Jun CHANG, National Cheng Kung University)
- 35 Comparative Analysis of Production Possibility Frontier in Measuring Eco-efficiency with DEA: An Application to Airport (Tae-Woong YANG, Inha University; Hun-Koo HA, Inha University)

## **Session 6-D Airport and Airline Performance**

**Room: Seminar Room 7/8**

Chair: Andreas WITTMER, University of St. Gallen

- 190 A Method to Estimate the Remaining Airport Airside Capacity, Taking into Account Arrival-departure Slot Dependencies (Christoph SCHINWALD, Technische Universität München; Mirko HORNUNG, Technische Universität München)
- 206 Constrained and Underutilised Airports: Two side of a Coin (Dieter WILKEN, German Aerospace Center (DLR); Peter BERSTER, German Aerospace Center (DLR); Marc GELHAUSEN, German Aerospace Center (DLR))
- 120 Efficiency Performance of Chinese Airports: the Impact of High-Speed Rail Development (Yulai WAN, Hong Kong Polytechnic University; Hun-Koo HA, Inha University; Yuichiro YOSHIDA, National Graduate Institute for Policy Studies; Anming ZHANG, National Graduate Institute for Policy Studies)
- 119 Impact of Network Configuration on High-Speed Rail Development and Adoption (Tiziana D'ALFONSO, Sapienza Università di Roma; Valentina BRACAGLIA, Sapienza Università di Roma; Alberto NASTASI, Sapienza Università di Roma; Anming ZHANG, Sapienza Università di Roma)

## **Session 6-E Revenue Management & Pricing**

**Room: Seminar Room 9**

Chair: Yimin ZHANG, CEIBS

- 233 An Investigation into Most Fruitful Ancillary Revenue Opportunities for Airlines Operating in Turkish Domestic Aviation Market (Ozge PEKSATICI, Ozyegin University)
- 153 Airline Pricing with Inventory Control (Alberto A. GAGGERO, University of Pavia; Marco ALDERIGHI, Università della Valle d'Aosta; Claudio PIGA, Keele University)
- 191 Airport Ramsey Pricing: Application to Airport in Taiwan (Chia-Yi SHIH, National Taiwan Ocean University; Jin-Ru YEN, National Taiwan Ocean University)
- 213 A Fare Class Product Design Problem Considering Consumer Choice Behavior and Seat Control Decision (Kuancheng HUANG, National Chiao Tung University; Shao-Qing ZHU, National Chiao Tung University)

## **Session 6-F Marketing and Market Outlook in Air Transport**

**Room: Seminar Room 1/2**

Chair: Blaise WAGUESPACK, Embry-Riddle Aeronautical University

- 106 Airline Brand Values: The Importance of Functional and Emotional Aspects for Network and Low Cost Airlines (Keith MASON, Cranfield University)
- 251 You Can't Always Get What You Want: Market Uncertainty, Partner Selection and Competition in Air France's Alliance Portfolio (Anne-Sophie FERNANDEZ, University of Montpellier; Paul CHIAMBARETTO, Montpellier Business School / Ecole Polytechnique)
- 113 Case Study: The Development of Aviation Professionals: A Flying Reform! (Sarah J. FOX, Coventry University)
- 85 Advance Purchase Behaviors for Airline Tickets (Chia-Hsin LIU, National Chiao Tung University; Yu-Chiun CHIOU, National Chiao Tung University)

---

### **10:00-10:30 Coffee Break**

TOWN PLAZA Level 2 Study Area

### **10:30-12:00 Concurrent Sessions 7**

---

## **Session 7-A Airline Strategy, Management and Operations**

**Room: Seminar Room 12**

Chair: Keith MASON, Cranfield University

- 278 Airline Aircraft Model Selection for Flight Cancellation Cases with DEMATEL and Analytic Network Process (Jose Pedro GUDIEL PINEDA, National Taipei University of Technology; Rong-Ho LIN, National Taipei University of Technology; Pei-Chun WANG, National Taipei University of Technology)
- 48 Understanding Advance Booking Timing for Airline Tickets: A Continuous Logit Modelling Approach (Chieh-Hua WEN, Feng Chia University; Po Hung CHEN, Feng Chia University)
- 140 Do Birds of a Feather Flock Together? – Linking Airline Similarity and Collaboration (Peter BIESSLICH, Hamburg University of Technology (TUHH); Stephan LEHNER, German Aerospace Center (DLR); Klaus LUETJENS, German Aerospace Center (DLR))

- 281 Dynamic Channel Competition for Airlines with Fixed Capacity (Boqian SONG, Nanyang Business School, NTU; Michael Z.F. LI, Nanyang Business School, NTU)
- 49 Alleviation of Flight Delay Situations through Alternative Passenger Arrangement Mechanisms (Wei-Ning WU, Feng Chia University; Chieh-Hua WEN, Feng Chia University)

#### **Session 7-B Aviation Safety & Security**

**Room: Seminar Room 3/4**

Chair: Andreas KNORR, German University of Administrative Sciences Speyer

- 93 From Pilots to Surgeons: When Airlines Share Their Best Practices with Hospitals (Paul CHIAMBARETTO, Montpellier Business School / Ecole Polytechnique; Cyril FOROPON, Montpellier Business School; Frank DEBOUCK, Ecole Centrale de Lyon)
- 65 A Cross-Cultural Comparison of Airline Safety Briefing Cards (Yueh-Ling HSU, Kainan University; Bor-Jen KUO, China Airlines)
- 15 The Human Risk Factors of Runway Excursion in Pilots' View (Yu-Hern CHANG, National Cheng Kung University; Hui-Hua YANG, Chang Jung Christian University; Yu-Jung HSIAO, National Cheng Kung University)
- 147 Suggested Improvements in the Normalisation of Aircraft Crash Location Data for Application in the Vicinity of Aerodromes (David GLEAVE, Loughborough University; David PITFIELD, Loughborough University)

#### **Session 7-C Intermodal and Air Travel Alternatives**

**Room: Seminar Room 5/6**

Chair: Florian PIEKERT, German Aerospace Center (DLR)

- 198 Key Performance Indicators and According Metrics to Benchmark Intermodal Passenger Transport Concepts (Marcia URBAN, Bauhaus Luftfahrt e.V.; Annika PAUL, Bauhaus Luftfahrt e.V.; Mara COLE, Bauhaus Luftfahrt e.V.)
- 133 Interrelations between HSR and Aviation Sector in View of the Recent Japanese Case (Taizo HAYASHI, University of Tokyo)
- 244 An Examination of the Surface Connectivity Merits of Heathrow and Gatwick Airport Expansion Plans (Tim RYLEY, Griffith University; Alberto ZANNI, Loughborough University)
- 155 User Benefit Analysis for Hypersonic Air Transport Services - Comparative Study with Subsonic and Supersonic Flight Services (Kazuki ENDO, Keio University; Nobuaki MINATO, Keio University; Masaru NAKANO, Keio University)
- 262 Analysis of the Relationship between Aviation and High Speed Rail Services (Makoto FUJII, Kanazawa University; Koji MATSUTA, Kanazawa University, Takahiro MINAMI, Kanazawa University, Wataru SUGITA, Kanazawa University; Yuya TAMAMORI, Kanazawa University, Daisuke YAMAGUHI, Kanazawa University, Shoichiro NAKAYAMA, Kanazawa University; Junichi TAKAYAMA, Kanazawa University)

#### **Session 7-D Marketing and Market Outlook in Air Transport**

**Room: Seminar Room 7/8**

Chair: Richard KLOPHAUS, Worms University of Applied Sciences

- 193 Investigating the Air Passengers' Preferences of the Airline Ancillary Services (Jin-Long LU, National Kaohsiung Maritime University; Jen-Shiang CHANG, National Kaohsiung Maritime University; Wan-Chuen TSAI, National Kaohsiung Maritime University)
- 122 Airport Loyalty Programs (Andreas WITTMER, University of St. Gallen; Thalissa MAURER, University of St. Gallen)
- 142 Assessing Quality of Air Travel Using the Impact of Frequency, Travel Time and Number of Transfers on Passenger Demand (Katrin KÖLKER, German Aerospace Center (DLR); Robin GHOSH, German Aerospace Center (DLR); Klaus LUTJENS, German Aerospace Center (DLR))
- 64 The Willingness to pay for Business Charter: A Study of Business Passengers from Taipei to Shanghai (Jing-Xuan CHEN, National Taiwan Ocean University; Jin-Ru YEN, National Taiwan Ocean University)

#### **Session 7-E Airport Strategy, Management and Operations**

**Room: Seminar Room 9**

Chair: Evy ONGHENA, University of Antwerp

- 62 Dynamic Evolution of European Airport Systems in the Context of Low-Cost Carriers Growth (Edgar Ramiro JIMENEZ PEREZ, Universidad de Ibagué, INESC TEC, FEUP; João CLARO, Universidade do Porto; Jorge PINHO De SOUSA, Universidade do Porto; Richard De NEUFVILLE, Universidade do Porto)



- 219 Advancing Total Airport Management – An Introduction of Performance Based Management in the Airport Context (Stefanie HELM, German Aerospace Center; Steffen LOTH, German Aerospace Center; Yves GUENTHER, German Aerospace Center; Michael SCHULTZ, German Aerospace Center)
- 279 The Possibility of the Implementation over the Self Bag-drop off System to Enhance Airport Operation in Korea (Kang-Seok LEE, Hanseo University)
- 105 The Fortunes of an Air Transport Gateway: A Case Study of Melbourne, Australia (Kevin O'CONNOR, University of Melbourne; Kurtis FUELLHART, Shippensburg University)

**Session 7-F Aviation Case Studies**

**Room: Seminar Room 1/2**

Chair: Kangseok LEE, Hanseo University

- 14 Corruption and Operating Efficiency: An Empirical Analysis of the Asian Pacific Airports (Laingo Manitra RANDRIANARISOA, Université Laval; Carlos ORDÁS CRIADO, Université Laval; Tae H. OUM, University of British Columbia)
- 59 Shifting Competitive Positions among Primary Airports in Europe (Hidenobu MATSUMOTO, Kobe University; Koji DOMAE, Kobe University)
- 107 Model of Integrated Air Passenger Information System and its Adaptation to Budapest Airport (Eniko NAGY, Budapest University of Technology and Economics; Csaba CSISZAR, Budapest University of Technology and Economics)
- 2 A Comparison of the Value of Frequent Flyer Points/Miles from the Perspective of Australia Travellers (Yi GAO, Swinburne University of Technology; Yonghao CHEN, Swinburne University of Technology; Kim NGUYEN, Swinburne University of Technology; Richard BRINCAT, Swinburne University of Technology)

---

**12:00-13:30 General Assembly & Closing Ceremony**

**Room: Lecture Theatre 52**

---

# Transport Schedule

Chartered buses have been arranged according to the schedules below:

## 2<sup>nd</sup> July, 2015

Start Time	End Time	Arrangement		Remarks
		From / Pick-up	To / Destination	
3:15pm	-	UTown - Stephen Riady Centre	Changi Airport T3 - Departure Hall	For Technical Tour
5:15pm	-	Changi Airport T3 - Coach Bay	UTown	For Welcome Reception
5:30pm	6:30pm	Kent Ridge MRT Station	UTown	Shuttle Service every 15min
7:15pm	8:00pm	UTown - Stephen Riady Centre	City Hall MRT Station	Drop off at Kent Ridge MRT Station available upon request

## 3<sup>rd</sup> July, 2015

Start Time	End Time	Arrangement		Remarks
		From / Pick-up	To / Destination	
7:30am	9:30am	Kent Ridge MRT Station	UTown	Shuttle Service every 15min
6:00pm	-	UTown - Stephen Riady Centre	Hotel Fort Canning Carpark C	For Gala Dinner
9:45pm	10:30pm	Hotel Fort Canning Carpark C	City Hall MRT Station	

## 4<sup>th</sup> July, 2015

Start Time	End Time	Arrangement		Remarks
		From / Pick-up	To / Destination	
7:30am	9:30am	Kent Ridge MRT Station	UTown	Shuttle Service every 15min
5:30pm	6:00pm	UTown - Stephen Riady Centre	City Hall MRT Station	Drop off at Kent Ridge MRT Station available upon request
5:30pm	-	UTown - Stephen Riady Centre	Marina Bay area	For Social Programme

## 5<sup>th</sup> July, 2015

Start Time	End Time	Arrangement		Remarks
		From / Pick-up	To / Destination	
7:30am	9:30am	Kent Ridge MRT Station	UTown	Shuttle Service every 15min
1:30pm	2:00pm	UTown - Stephen Riady Centre	City Hall MRT Station	Drop off at Kent Ridge MRT Station available upon request



## Gala Dinner

### Hotel Fort Canning

**Date:** July 3, 2015

**Time:** 6.30 pm

**Venue:** Hotel Fort Canning - Legends Ballroom

Hotel Fort Canning is an award-winning boutique hotel that is superbly located within 18 hectares of lush greenery in the heart of the city. Exuding timeless elegance, the iconic conservation hotel with luxurious and trendy amenities, is the perfect venue for events and celebrations.

Attire Code: Business Casual (no shorts/bermudas/slippers).



### Directions to Hotel Fort Canning

Hotel Fort Canning's location in a City Park is truly central. As a hotel near Orchard Road in Singapore, it is amidst the main shopping belt and the Champs Elysees of Singapore. Located nearby is the Clarke Quay Entertainment Hub, where a myriad of bars and restaurants can be found. Travelers can also visit the Museums & Civic District, with at least 4 major museums within walking distance.

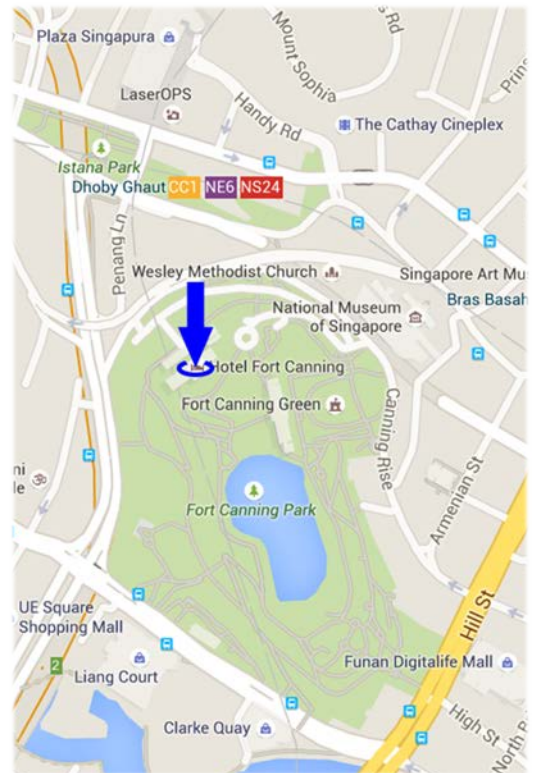
On 3<sup>rd</sup> July 2015, chartered buses will depart from UTown at 6pm to Hotel Fort Canning.

If you are going there by yourself, we recommend taking a taxi. Otherwise, you may follow these directions:

- Exit Dhoby Ghaut MRT Station at Exit B, cross Penang Road to Park Mall.
- At Park Mall lobby, take lift up to Level 4
- Exit glass door to car park, turn left & walk out from the car park bay
- Cross the road and you'll find yourself at the foot of Fort Canning Hill.
- Keep to your right and walk towards the entrance to the Hotel / Club's indoor car park
- On the path way, the staircase is the direct access into the Ballroom area/foyer or all the way up to the Hotel Lobby & Grand Marquee (outdoor marquee)

Alternatively, you may also take the Lift inside the carpark up to Level 2 (Hotel Lobby & Palm Terrace).

- From Dhoby Ghaut MRT, it takes  $\pm$  8 minutes walk to the Hotel / Club.
- From Park Mall, it takes  $\pm$  5 minutes walk to the Hotel / Club.



### Contact Information

**Front Office:** (65) 6559 6750

**Email:** [contact@hfcsingapore.com](mailto:contact@hfcsingapore.com)

Jointly Organised By:

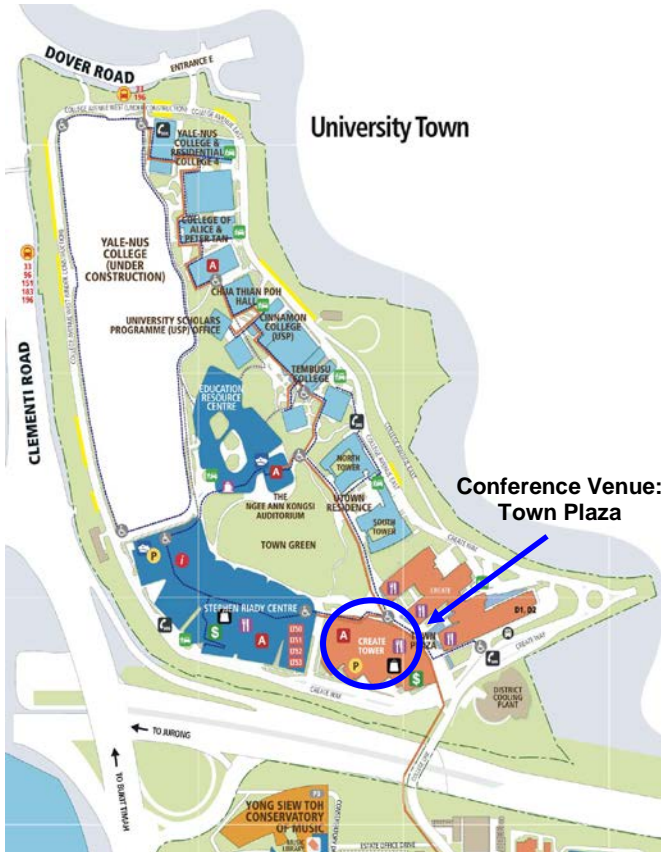


Supported By:





## Getting to University Town



### MRT & Bus

#### From Kent Ridge MRT Station - NUS Internal Bus Shuttle

Walk to Kent Ridge Bus Stop, Bus Stop No. 18331, from Kent Ridge MRT Station (Exit A). Board **NUS Internal Bus Shuttle D2**. Alight 5 stops later at UTown. Or take the ATRS Bus Shuttle from Bus Stop 18331 directly to UTown

#### From Buona Vista MRT Station - Bus 196

Walk to the bus stop opposite Buona Vista MRT Station located near Exit D, Bus Stop No. 11369. Board Bus 196 (towards Clementi Interchange). Alight 6 stops later at Bus Stop No. 19059. Walk approximately 5 to 8 minutes to UTown.

#### From Clementi MRT Station - Bus 183

Walk to Clementi Bus Stop, Bus Stop No. 17179, from Clementi MRT Station (Exit B). Board Bus 183 (towards Jurong East Temp Interchange). Alight 3 stops later at Bus Stop No. 17099. Walk approximately 8 to 10 minutes to UTown.

#### From Clementi Bus Interchange - Bus 96

Board Bus 96 (towards Clementi Interchange). Alight 3 stops later at Bus Stop No. 17099. Walk approximately 8 to 10 minutes to UTown.

### NUS Transport Services

#### NUS Internal Shuttle Bus Service

- Direct Services **UT-CLB** and **UT-FoS** (w.e.f. 12 August 2013, during specific timings)
- Services **D1** and **D2**

#### NUS Taxi FastCall Booking Service (to depart from UTown)

Building Name & Address	Pickup Point	Pin Code
<b>Stephen Riady Centre</b> 2, College Avenue West Singapore 138607	Passenger Drop-Off	71222
<b>Campus For Research Excellence And Technological Enterprise (CREATE)</b> 1, CREATE Way Singapore 138602	Passenger Drop-Off	12335

### Motor Vehicles

- Via Ayer Rajah Expressway towards Tuas**
- Along AYE towards Tuas, exit at Exit 9
  - Turn left on Clementi Road
  - Turn left onto Kent Ridge Crescent (note: University Cultural Centre is on the left)
  - Turn left onto College Link at roundabout
- Via Dover Road from Clementi Road**
- Head onto Dover Road
  - Turn right into University Town
- Via Dover Road from North Buona Vista Road**
- Head onto Dover Road
  - Turn left into University Town

Jointly Organised By:



Supported By:



## Getting Around Singapore

### Things to do in Singapore

Renowned as a shopping paradise, Singapore has wide choice of shopping malls including the famous Orchard Road Shopping Belt and Marina Bay Sands. You can also embark on a heritage trail at various cultural sites such as Chinatown, Little India and Kampong Glam. Other exciting Singapore attractions include Gardens by the Bay, Singapore Flyer, River Safari, Sentosa, Universal Studios and S.E.A. Aquarium. Check out <http://www.yoursingapore.com> for more information.



© WeiTong Photography

### Transportation

#### Modes of Transportation

Singapore is well connected by Mass Rapid Transit (MRT), buses and taxis. The MRT system provides access to almost every part of Singapore. Train route map can be downloaded from [www.smrt.com.sg](http://www.smrt.com.sg). To complement the MRT system, the public buses bring you to many places island-wide. Taxis offer point-to-point transfers if you need to get to your destination swiftly.



© WeiTong Photography

#### Taxi Booking Hotlines

Comfort Cabs: (65) 6342 5222  
SMRT Cabs: (65) 6555 8888

### Telecommunication Facilities

Singapore's international dialing code is +(65).

#### How to make international calls?

Option 1:



SIM Card

Option 2:



International Calling Card

#### Where to purchase?

Convenience stores (7-Eleven, Cheers), SingPost, retail outlets of telco (Singtel, Starhub and M1) or Singapore Changi Airport.

### Weather



Singapore enjoys warm tropical weather with little variation throughout the year. The average daytime temperature is 31°C (88°F), dropping to around 24°C (75°F) in

evenings. Singapore's latest weather forecast can be viewed at <http://app2.nea.gov.sg/weather-climate/forecasts>

### Currency and Banking Services

#### Currency

The local currency is Singapore dollar (S\$). US Dollars, Australian Dollars, Brunei Dollars, Yen, British Pounds and Euros are accepted at sizable departmental stores.

#### Money Changing Services

Money changing services are available at Singapore Changi Airport, most shopping malls and hotels. Automated Teller Machines (ATMs) that accept major credit cards such as Visa, MasterCard and American Express are conveniently located around the island.

#### Banking Services

Most commercial banks operate from 0830 to 1630 hours from Mondays to Fridays, and 0830 to 1300 hours on Saturdays.

### Other Useful Information

#### Time

Singapore is 8 hours ahead of Greenwich Mean Time (GMT+8). You may visit <http://www.timeanddate.com/worldclock/city.html?n=236> for more information.

#### Electricity

Singapore's standard electricity supply is 230V/50Hz and a Type-G plug is used for wall sockets.

#### Tax Refund

You may claim a refund of the Goods and Services Tax (GST) charged on goods purchased from retailers participating in the Tourist Refund Scheme. Please visit <http://www.changiairport.com/passenger-guide/departure/gst-refund> for more information.

Jointly Organised By:

Supported By:



## Local Organising Committee

### Singapore Aviation Academy

---

**Dr. Michael LIM**  
Committee Chairman  
Director, SAA

**Mr. Kah Wee OO**  
Committee Deputy Chairman  
Deputy Director (Training), SAA

**Ms. Belinda ANG**  
Programme and Sponsorship Sub-Committee  
Head (School of Aviation Management), SAA

**Mr. Ming Feng NEO**  
Committee Member  
Manager (School of Aviation Management), SAA

**Ms. Pin Pin CHAN**  
Gala Dinner Sub-Committee  
Deputy Director (Marketing & Corporate Services), SAA

**Ms. Yhenh Shanh LOH**  
Facilitation Sub-Committee  
Assistant Manager (Course Administration), SAA

### National University of Singapore

---

**Prof. Alan TAN**  
Committee Co-Chairman  
Head, Air Law & Policy Programme, NUS

**Prof. Der-Hong LEE**  
Committee Co-Chairman  
Department of Civil & Environmental Engineering,  
Faculty of Engineering

**Prof. Qiang MENG**  
Committee Member  
Department of Civil & Environmental Engineering,  
Faculty of Engineering

**Prof. Raymond Ong Ghim Ping**  
Committee Member  
Department of Civil & Environmental Engineering,  
Faculty of Engineering

Jointly Organised By:



Supported By:



## ATRS Committee

### ATRS Gold Corporate Members

**Houston Airport System**  
Mario C. DIAZ

**Hartfield-Jackson Atlanta International Airport**  
Balram BHEODARI

### ATRS Permanent Corporate Members

**Boeing Commercial Airplanes**  
Helen JIANG

**Airbus SAS**

**Copenhagen International Airport**

**German Aerospace Center (DLR)**  
Dr. -Ing. VOLKER

### ATRS Corporate Members

**Vancouver Airport Authority**  
Tony GUGLIOTTA

**Kazan International Airport**  
Alexey STAROSTIN

**Korea Airports Corporation**  
Joohee HUH

**Genève Aéroport**  
Robert DEILLON

### ATRS Fellows (Nominated 2015)

**Prof. Peter FORSYTH**

**Prof. Ken BUTTON**

### ATRS Lifetime Members

**Yoshitsugu HAYASHI**  
2006 Conference Chair (Nagoya)  
University of Nagoya

**William SWAN**  
2002 Conference Chair (Seattle)  
Seabury Airline Planning Group

### ATRS Executive Committee

**Tae H. OUM** - Founder and Chair  
1997 Conference Chair (Vancouver)  
University of British Columbia

**Martin DRESNER** - President and CEO  
University of Maryland

**Anming ZHANG** - VP Research  
1999 Conference Chair (Hong Kong)  
University of British Columbia

**Christian HOFER** - VP Programs  
University of Arkansas

**Sveinn Vidar GUDMUNDSSON** - VP External  
2003 Conference Chair (Toulouse)  
Toulouse Business School

**Kostas IATROU** - VP Public Relations  
2008 Conference Chair (Athens)  
Hellenic Aviation Society

**Chunyan YU** - VP Publications and Administration  
Embry Riddle Aeronautical University

**Koki NAGATA** - Secretary  
University of Maryland

**Paul HOOPER** - VP Publications and Policy  
2009 Conference Chair (Abu Dhabi)  
The University of New South Wales

**Andreas WITTMER** - Treasurer & Swiss Representative  
University of St. Gallen

Jointly Organised By:

Supported By:

## ATRS Networking Committee

---

**Tae H. OUM** - Chair  
1997 Conference Chair (Vancouver)  
University of British Columbia

**Joel Zhengyi SHON**  
2012 Conference Chair (Tainan)  
Tainan University of Technology

**Kostas IATROU** - VP Public Relations  
2008 Conference Chair (Athens)  
Air Transport News

**Fevzi UNAL**  
2004 Conference Chair (Istanbul)  
Istanbul Technical University

**Jaap De WIT**  
2000 Conference Chair (Amsterdam)  
University of Amsterdam

**Yeong-Heok LEE**  
2001 Conference Chair (Jeju Island)  
Hankuk (Korea) Aviation University

**Sveinn Vidar GUDMUNDSSON**  
2003 Conference Chair (Toulouse)  
Toulouse Business School

**Yimin ZHANG**  
China Europe International Business School

**Bijan VASIGH**  
Embry Riddle Aeronautical University

**Jia YAN**  
Washington State University

**Christian BONTEMPS**  
ENAC & Toulouse School of Economics

**Keith J. MASON**  
Cranfield University

**Hans-Martin NIEMEIER**  
Bremen Technical University

**Peter J. FORSYTH**  
Monash University

**Kenneth BUTTON**  
George Mason University

**Seock-Jin HONG**  
2014 Conference Chair (Bordeaux)  
Kedge Business School in Bordeaux

**Gianmaria MARTINI**  
2013 Conference Chair (Bergamo)  
University of Bergamo

**Ian DOUGLAS**  
2011 Conference Chair (Sydney)  
The University of New South Wales

**Paul HOOPER**  
2009 Conference Chair (Abu Dhabi)  
The University of New South Wales

**Mark HANSEN**  
2007 Conference Chair (Berkeley)  
University of California at Berkeley

**Respicio Antonio Do Espirito SANTO Jr.**  
2005 Conference Chair (Rio de Janeiro)  
Federal University of Rio de Janeiro

**Anming ZHANG** - VP Research  
1999 Conference Chair (Hong Kong)  
University of British Columbia

**Aisling REYNOLDS-FEIGHAN**  
1998 Conference Chair (Dublin)  
University College Dublin

**Cheng-Min FENG**  
National Chiao Tung University

**Hideyuki KITA**  
Kobe University

## In Memoriam

ATRS Networking Committee members who have touched and influenced our academic community.

---

**Anthony Chin**  
Organizing Committee 2015 Conference (Singapore)  
National University of Singapore

**Cristina Barbot**  
2010 Conference Chair (Porto)  
University of Porto

Jointly Organised By:



Supported By:





## Hosting Organisations

### Singapore Aviation Academy

The Singapore Aviation Academy (SAA), established in 1958, is the internationally-recognised training arm of the Civil Aviation Authority of Singapore. It offers a wide range of operational and management programmes that benchmark international standards and best practices to meet the training needs of the global aviation community. SAA is an ICAO Regional Training Centre of Excellence, ICAO Aviation Security Training Centre, ICAO-endorsed Government Safety Inspector Training Centre and ICAO TRAINAIR PLUS Full Member.

Through its four specialised schools - School of Aviation Management, School of Aviation Safety & Security, School of Air Traffic Services and School of Airport Emergency Services - SAA has trained over 91,000 participants from 200 countries and territories since 1958.



A Division of the Civil Aviation Authority of Singapore

### Civil Aviation Authority of Singapore

The mission of the Civil Aviation Authority of Singapore (CAAS) is to "Grow a safe, vibrant air hub and civil aviation system, making a key contribution to Singapore's success". CAAS' roles are to oversee and promote safety in the aviation industry, develop the air hub and aviation industry, provide air navigation services, develop Singapore as a centre for aviation knowledge and training, and contribute to the development of international aviation.



### National University of Singapore

A leading global university centred in Asia, the National University of Singapore (NUS) is Singapore's flagship university which offers a global approach to education and research with a focus on Asian perspectives and expertise.

#### Centre for International Law

The Centre for International Law (CIL) was established in 2009 at the National University of Singapore's Bukit Timah Campus in response to the growing need for international law expertise and capacity building in the Asia-Pacific region. CIL is a university-wide research centre that focuses on international law relevant to the region, including ocean law and policy, ASEAN law and policy, trade and investment law and policy and international dispute resolution.

#### Department of Civil and Environment Engineering

The Department of Civil & Environmental Engineering is one of the eight Departments and Divisions in the Faculty of Engineering of the National University of Singapore. The Department has been rated 3rd in Civil & Structural Engineering category (2015), and 10th in Environmental Sciences category (2015), by QS World University Rankings. Research and Education are driven through exciting programmes embracing the increasingly integrated, interdisciplinary nature of modern civil engineering.



Jointly Organised By:



Supported By:



## Supporting Organisations

### Changi Airport Group (Singapore) Pte Ltd

Changi Airport Group (Singapore) Pte Ltd (CAG) was formed on 16 June 2009. As the company managing Changi Airport, the world's most awarded airport, CAG undertakes key functions focusing on airport operations and management, air hub development, commercial activities and airport emergency services. CAG also manages Seletar Airport and through its subsidiary Changi Airports International, invests in and manages foreign airports.



### Singapore Exhibition & Convention Bureau

The Singapore Exhibition & Convention Bureau™ has a mission to champion business travel and business events. As enablers for industry growth and a key driver of the tourism sector, we aim to establish Singapore as a dynamic business events destination where an ecosystem of ideas, people, and technology draws on vibrant knowledge and wide networks to tailor success for you.



### Singapore Airlines

Singapore Airlines Limited (SIA) was founded in 1972, evolving from a regional airline to one of the most respected travel brands around the world. SIA flies one of the youngest aircraft fleets in the world to destinations spanning a network spread over six continents, with the Singapore Girl as SIA's internationally-recognisable icon.



Jointly Organised By:



Supported By:

