

18th Air Transport Research Society World Conference 2014

**Bordeaux, France
17-20 July 2014**

Volume 1 of 3

ISBN: 978-1-5108-0372-5

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2014) by Air Transport Research Society (ATRS)
All rights reserved.

Printed by Curran Associates, Inc. (2015)

For permission requests, please contact Air Transport Research Society (ATRS)
at the address below.

Air Transport Research Society (ATRS)
3433 Van Munching Hall
Robert H. Smith School of Business
University of Maryland 20742
USA

Phone: +1.301.405.2204
Fax: +1.301.314.1023

atrs@rhsmith.umd.edu

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

VOLUME 1

FOCUSED LEADERSHIP	1
<i>T. Coburn</i>	
OLD AND NEW THREATS: BLOOD, TEARS, AND SALVATION!	9
<i>S. Fox</i>	
SAFETY EVALUATION OF RUNWAY SAFETY AREAS: CASE STUDY AT MAJOR BRAZILIAN AIRPORTS	27
<i>J. Neto, A. Correia</i>	
RISK ASSESSMENT ON RUNWAY SAFETY AREAS: ASSESSING THE SEVERITY OF ACCIDENTS	37
<i>L. Barroso, A. Correia</i>	
REAL OPTION ANALYSIS OF AIRCRAFT ACQUISITION: A CASE STUDY	59
<i>Q. Hu, A. Zhang</i>	
A KANO ANALYSIS ON THE ADOPTION OF SELF-SERVICE BAG DROPS AT SINGAPORE CHANGI AIRPORT	81
<i>C. Yang, M. Santonino</i>	
IS REGULATION FOR TRANSIT TRAFFIC WARRANTED AT LIMA'S AIRPORT?	107
<i>E. Defilippi</i>	
MULTI-CRITERIA APPROACH TO EVALUATE AIRPORT SAFETY LEVEL	121
<i>T. Goncalves, A. Correia, J. Lobianco</i>	
THE MANAGEMENT OF DEMAND: THE CASE OF IZMIR ADNAN MENDERS AIRPORT	132
<i>Y. Yildirim, V. Durmaz</i>	
ANCILLARY REVENUE PRICING	143
<i>A. Wittmer, N. Oberlin</i>	
COST AND REVENUE SYNERGIES IN AIRLINE MERGERS-EXAMINING GEOGRAPHICAL DIFFERENCES	160
<i>M. Schosser, A. Wittmer</i>	
ANALYSIS OF OFFSHORE HELICOPTER AIR TRAFFIC OPERATIONS AT THE CAMPOS BASIN	188
<i>T. Hermeto, C. Muller</i>	
PATERNALISTIC LEADERSHIP AND CABIN CREW UPWARD SAFETY COMMUNICATION	207
<i>S.-C. Chen</i>	
THE BEHAVIOUR OF AIRLINE FARES: SPAIN VERSUS FRANCE	228
<i>J.-L. Navarro, M.-E. Martinez, J.-F. Trinqucoste</i>	
PROSPECTS OF DIRECT EU-US ROUTES BY EMIRATES: AN EXPLORATORY ASSESSMENT	243
<i>R. Klophaus</i>	
THE RELATIONSHIP BETWEEN AIRLINE SERVICE RECOVERY AND CUSTOMER SATISFACTION	252
<i>C.-R. Jeng</i>	
THE STRATEGIC CAPABILITY OF ASIAN NETWORK AIRLINES TO COMPETE WITH LOW-COST CARRIERS	265
<i>J. Pearson, D. Pitfield, T. Ryley</i>	
THE IMPACT OF ANTITRUST IMMUNITY FOR AIRLINE ALLIANCES ON AIR TRANSPORT LIBERALIZATION IN NORTHEAST ASIA	289
<i>J. Woon</i>	
A PRELIMINARY INVESTIGATION INTO THE UNDERSTANDING OF AIRCRAFT ACCIDENT OVERRUN X LOCATIONS WITH AND WITHOUT NORMALISED DISTANCES	310
<i>D. Pitfield</i>	
AN ANALYSIS OF THE POTENTIAL BENEFITS OF IMPROVED SURVEILLANCE IN THE KABUL FLIGHT INFORMATION REGION	328
<i>J. Post, S. Shrestha, M. Wells</i>	
A BENCHMARKING FRAMEWORK FOR AVIATION POLICY DEVELOPMENT: A CASE STUDY ON JORDAN	342
<i>N. Itani, J. O'Connell, K. Mason</i>	
ASSESSING THE RELATIONSHIP BETWEEN AIR FREIGHT AND MERCHANDISE TRADE: A FOCUS ON THE RECENT ECONOMIC CRISIS	365
<i>F. Kupfer, H. Meersman, E. Onghena, E. Van de Voorde</i>	

MODEL OF IMPULSE PURCHASE INTENTION BASED ON SHOPPING CONTEXT, ATTITUDE, AND MATERIALISM AT TAOYUAN INTERNATIONAL AIRPORT	387
<i>S.-W. Peng, S.-T. Hsieh, N. Phoebe</i>	
STRATEGIC REACTIONS OF AIRLINES TO THEIR INCLUSION IN THE EUROPEAN TRADING SCHEME	407
<i>E. Malavolti, M. Podesta</i>	
THE EFFECT OF ECONOMIC REGULATION ON FINANCIAL PERFORMANCE: A CASE STUDY OF EUROPEAN AIRPORTS	441
<i>H.-A. Vogel, A. Graham</i>	
IMPROVING PASSENGER INTERMODAL EXPERIENCE TO GATEWAY AIRPORTS: FROM USER TO CUSTOMER CENTRALITY	463
<i>P. Ageron</i>	
FLIGHT SCHEDULING PROBLEM, WITH TIME WINDOW AND HETEROGENEOUS FLEET, APPLIED TO A FRACTIONAL JET OWNERSHIP COMPANY	479
<i>J. Magalhaes, C. Miller</i>	
THE PARADOX OF COMPETITION FOR AIRLINE PASSENGERS WITH REDUCED MOBILITY (PRM)	500
<i>D. Ansell</i>	
ESTIMATING AIRPORT EFFICIENCY OF AUSTRALIA AND NEW ZEALAND USING STOCHASTIC FRONTIER ANALYSIS	516
<i>W. Tsui, B. Lin</i>	
FUZZY MODEL APPLIED TO IMPACT ASSESSMENT OF AIR CARGO DEMAND	533
<i>L. Raymundo, F. Krykhtine</i>	
A QUALITATIVE STUDY ON THE EXPLORATION OF CHALLENGES TO THE IMPLEMENTATION OF SAFETY MANAGEMENT SYSTEM IN AIRCRAFT MAINTENANCE ORGANIZATIONS IN TURKEY	550
<i>E. Gerede</i>	
A STUDY ON THE EFFECTS OF CORPORATE SOCIAL RESPONSIBILITY ACTIVITIES UPON BRAND LOYALTY	591
<i>U. Bayrak, O. Atalik, B. Eratik</i>	
A NEW PASSENGER BOARDING STRATEGY BASED ON THE INTERFERENCES TRANSFER	606
<i>X. Ren, S. Tang</i>	
A CONTROL MODEL FOR CAPABILITY ASSESSMENT OF MULTI-RUNWAY AIRPORT WITH MULTI-SECTOR AIRSPACE	616
<i>H. Yu</i>	
FACTORS AFFECTING AIRPORT ROUTE DEVELOPMENT ACTIVITY AND PERFORMANCE	625
<i>N. Halpera, A. Graham</i>	
FROM LOW-COST AIRLINES TO LOW-COST HIGH-SPEED TRAINS: THE FRENCH CASE	640
<i>M. Delaplace</i>	
DUE TO THE MODERN TECHNOLOGICAL ADVANCES, CROSS-BORDER NATURE OF COMMERCE AND GLOBALIZATION, KNOWLEDGE HAS BECOME AN IMPORTANT PRODUCTION FACTOR	664
<i>N/A</i>	
EXAMINING THE POSTGRADUATE DISSERTATIONS BEING PERFORMED IN THE DEPARTMENT OF CIVIL AVIATION MANAGEMENT IN TURKEY	676
<i>K. Kiraci</i>	
IMPACT OF BIRD STRIKES ON AIRCRAFT OPERATION AND PREVENTION METHODS - CASE STUDY: IRANIAN AIRPORTS	685
<i>S. Bagheri, M. Saffarzadeh, B. Vasigh</i>	
LONG-TERM TRAFFIC FORECASTS AND OPERATING PATTERN FOR A REGIONAL AIRPORT	694
<i>N. Dennis</i>	
INDEBTEDNESS AND BANKRUPTCY COSTS IN THE AIRLINE INDUSTRY	706
<i>H. Pires, E. Fernandes</i>	
THE EFFECTS OF AIRLINE STRATEGIC ALLIANCE GROUP ON MEMBER AIRLINES' PRODUCTIVITY AND PROFITABILITY	726
<i>B. Lin</i>	
EVALUATING AND COMPARING THE MAINSTREAM AIRLINE EFFICIENCY IN 2012	746
<i>B. Lin, Y. Qiu, A. Cao, K. Li, L. Shen</i>	
DEVELOPING CORPORATE SOCIAL RESPONSIBILITY STRATEGIES FOR TAIWAN'S TAOYUAN INTERNATIONAL AIRPORT	759
<i>Y.-H. Chang, C.-H. Yeh, W.-C. Chao</i>	

ANALYSIS OF USERS OF INTERNATIONAL LOW COST FLIGHTS FROM CAGLIARI-ELMAS AIRPORT	774
<i>N. Rassu, R. Devoto</i>	
A MODEL TO ESTIMATE APRON CAPACITY AT HUB AIRPORTS	791
<i>B. Mirkovic, V. Tosic</i>	
AN AIR EXPRESS PARCEL FROM DOOR-TO-DOOR: COST ITEMS AND COST DRIVERS	809
<i>E. Onghena</i>	
RESEARCH CONCERNING PASSENGER MOBBING ON SECURITY PERSONNEL AND ITS EFFECT ON THEIR JOB SATISFACTION IN AIR TRASPORTATION	840
<i>N. Ergun</i>	
FUZZY LOGIC APPLICATION TO PRICING STRATEGY IN AIRLINE REVENUE MANAGEMENT	852
<i>F. Krykhtine, L. Raymundo, C. Consenza, K. Costa</i>	
AIRPORT MANAGEMENT AND HIGH SPEED RAILWAY	867
<i>M. Takebayashi</i>	
THE IMPACT OF HIGH-SPEED RAIL ON AIRPORT DEVELOPMENT IN CHINA	882
<i>Z. Peng</i>	
A CARBON EMISSIONS MODEL OF PICKING UP AND DELIVERING CUSTOMERS TO AIRPORT	894
<i>P. Yang, H. Hu, L. Dong, J. Yao</i>	
U.S. AIRWAYS GROUP: A POST-MERGER ANALYSIS	898
<i>W. Manuela, D. Rhoades, T. Curtis</i>	

VOLUME 2

CUSTOMER PARTICIPATION, VALUE CO-CREATION AND CUSTOMER LOYALTY - A CASE OF AIRLINE ONLINE CHECK-IN SYSTEM	923
<i>C.-F. Chen, J.-P. Wang</i>	
A STUDY ON PASSENGERS' AIRPORT CHOICE BEHAVIOUR USING HYBRID CHOICE MODEL	941
<i>S.-Y. Jung, K.-E. Yoo</i>	
SHIFTING COMPETITIVE POSITIONS AMONG PRIMARY AIRPORTS IN ASIA	964
<i>H. Matsumoto</i>	
ANALYSIS OF DEMAND STRUCTURES ON INTERCONTINENTAL ROUTES TO AND FROM EUROPE WITH A VIEW ON IDENTIFYING POTENTIALS FOR NEW SERVICES; I.E. IN THE LOW COST SEGMENT	975
<i>P. Berster, M. Gelhausen, D. Wilken</i>	
INVESTIGATING THE OPERATIONAL CONSEQUENCES OF OUT THE WINDOW (OTW) VIEW REPLACEMENT BY ASDE-X IN THE AIR TRAFFIC CONTROL TOWER	1001
<i>J. Griffin, M. Liu</i>	
LEAN SIX SIGMA READINESS ASSESSMENT FOR AIR CARGO GROUND HANDLERS	1019
<i>G. Kontos, A. Papatheodorou</i>	
EVALUATING INTENSITY AS A CONTROLLER FUNCTION FOR NEXTGEN SCENARIOS WITH INCREASED CAPACITY	1035
<i>C. Surakitbanharn, S. Landry</i>	
AN ANALYSIS OF TRADE STRUCTURAL CHANGE'S INFLUENCES UPON THE IMBALANCE STATUS OF CHINA-US AIR CARGO MARKET	1044
<i>W. Lu, X. Zheng, Y. Zhang</i>	
INVESTIGATING THE PASSENGER'S CHOICE BEHAVIOR OF LONG-HAUL LOW COST CARRIERS	1054
<i>C.-H. Wu, C.-P. Tsou, J.-R. Yen</i>	
EVALUATION OF ALTERNATIVE CRYOGENIC GREEN PROPULSION SYSTEMS IN TERMS OF AVIATION INFRASTRUCTURE	1063
<i>C. Ucler</i>	
BUSINESS MODELS OF LOW COST CARRIERS IN ASIA	1097
<i>S.-L. Li, J.-T. Wong, X.-T. Yu</i>	
APRON CAPACITY ANALYSIS AND ESTIMATION AFTER MAGONG AIRPORT RUNWAY EXPANSION	1120
<i>S.-L. Li</i>	

MODELLING CHOICE OF AIRLINES FOR FAMILY AIR TRAVEL IN TAIWAN - COMPARING DECISION ROLES BETWEEN HUSBANDS AND WIVES	1130
<i>J.-L. Lu</i>	
THE IMPACT OF AN AVIATION FUEL TAX ON FUEL CONSUMPTION AND CARBON EMISSIONS: THE CASE OF THE US AIRLINE INDUSTRY	1153
<i>H. Fukui, C. Miyoshi</i>	
CARGO MARKET COMPETITION AMONG ASIA PACIFIC MAJOR AIRPORTS	1179
<i>J.-T. Wong, Y.-S. Chung, P.-Y. Hsu</i>	
FOAM - FROM PASSENGER GROWTH TO AIRCRAFT MOVEMENTS	1195
<i>K. Kolker, P. Biebllich, K. Lutjens</i>	
PASSENGER CHARACTERISTICS AND THEIR MODE CHOICE BETWEEN AIR TRANSPORT AND HIGH SPEED RAIL IN CHINA	1207
<i>S. Hanaoka, S. Kang, M. Tsukai</i>	
AIRLINE PASSENGER PROTECTION REGULATIONS: DOES THE PATCHWORK WORK? A LEGAL PERSPECTIVE	1221
<i>N. Rouissi, V. Correia</i>	
DESIGNING AN AMBIDEXTROUS BUSINESS MODEL: "FACTS AND ACTS"	1255
<i>P. Buyukbalci, U. Batum</i>	
THE EVOLUTION OF TURKISH AIRLINES' BUSINESS MODEL: FROM TRADITIONAL TO AVIATION BUSINESS	1274
<i>H. Kucukonal, L. Adiloglu, A. Yalcinkaya</i>	
AN ANALYSIS OF AIRLINE QUALITY RATING COMPONENTS USING BAYESIAN METHODS	1289
<i>J. Mott, B. Avery</i>	
HOW SCALE AND INSTITUTIONAL SETTING EXPLAIN THE COSTS OF SMALL AIRPORTS? - AN APPLICATION OF SPATIAL REGRESSION ANALYSIS	1303
<i>T. Ulku, V. Jeleskovic, J. Muller</i>	
AUTOMATED METEOROLOGICAL REPORTS FROM COMMERCIAL AIRCRAFT: IMPROVING WEATHER FORECASTS AND AVIATION SAFETY AND EFFICIENCY	1331
<i>R. Petersen, L. Cronce</i>	
SHAPING THE INDUSTRY WITH A NEW STANDARD: ENVIRONMENTAL LABELS IN THE AVIATION INDUSTRY	1356
<i>S. Baumeister, T. Onkila</i>	
ANNUAL WORLD CONFERENCE AIR TRANSPORT RESEARCH SOCIETY (ATRS)	1371
<i>J.-K. Lee, K.-E. Yoo, K.-H. Song</i>	
STUDY ON TRAVELERS' TRANSPORT MODE CHOICE BEHAVIOR USING MIXED LOGIT MODEL - FOCUSED ON THE SEOUL-JEJU ROUTE -	1389
<i>J.-K. Lee, W.-Y. Kim, K.-E. Yoo, Y.-J. Seo</i>	
PERFORMANCE EVALUATION OF THE AIRLINE COMPANY WITH INTELLECTUAL CAPITAL	1406
<i>C.-H. Chiang, C.-Y. Jiang, M. Lee</i>	
THE FACTORS AFFECTING POLLUTION AND NOISE SOCIAL COSTS OF THE CURRENT AIRCRAFT FLEET: AN ECONOMETRIC ANALYSIS	1417
<i>M. Grampella, G. Martini, D. Scotti, G. Zambon</i>	
CONNECTING AFRICAN URBAN AREAS: AIRLINE NETWORKS AND INTRA-SUB- SAHARAN AFRICAN TRADE	1444
<i>K. Button, A. Brugnoli, G. Martini, D. Scotti</i>	
IMPACT OF TIMETABLE SYNCHRONIZATION ON CONNECTIVITY OF EUROPEAN HUBS	1454
<i>A. Sredynski, T. Grosche, F. Rothlauf</i>	
AGING SOCIETY AND THE LEVEL OF SERVICE AT AIRPORTS A CROSS-CULTURAL PERSPECTIVE	1468
<i>T. Kim, C.-L. Wu, T.-R. Koo, T.-H. Kim</i>	
EXTRA COST FOR AIRLINES' PREMIUM ECONOMY CLASS: THE PERSPECTIVE OF PASSENGERS	1549
<i>C.-W. Kuo, R.-C. Jou, Y.-P. Wang, M.-L. Tang</i>	
AIRCRAFT LINE MAINTENANCE PLANNING OPTIMISATION	1565
<i>S. Shaikat, C.-L. Wu</i>	
ECO-POSITIONING OF AIRLINES: PERCEPTION VERSUS ACTUAL PERFORMANCE	1581
<i>R. Mayer, T. Ryley, D. Gillingwater</i>	
ANALYSIS OF COMPETITION BETWEEN IRANIAN AND FOREIGN AIRLINES IN INTERNATIONAL FLIGHTS	1598
<i>Z. Majid, A. Mazaheri, M. Saffarzadeh, S. Seyedabrishami</i>	

PROMOTE SAFETY CULTURE WITHIN ORGANIZATIONAL OF THE FLIGHT ATTENDANTS TO EXPLORE THE IMPACT OF FLIGHT SAFETY	1607
<i>C.-H. Chang, S. Mei</i>	
WOULD COMPETITION BETWEEN AIR TRANSPORT AND HIGH SPEED RAIL BENEFIT ENVIRONMENT AND SOCIAL WELFARE?	1619
<i>T. D'Alfonso, V. Bracaglia</i>	
AN EMPIRICAL ANALYSIS OF THE NETWORKING STRATEGIES OF SUBSIDIARY LOW COST CARRIERS - THE CASE STUDY OF JETSTAR AIRWAYS -	1665
<i>J. Mizutani</i>	
AN EVALUATION OF SUPPLY ADEQUACY FOR AIR CARGO ROUTES BASED ON THE DEMAND CHARACTERISTICS OF NODES	1675
<i>S. Yoon, Y. Park</i>	
TOURISM AND LIBERALISATION OF AIR TRANSPORT IN BRAZIL	1687
<i>E. Fernandes, R. Pacheco</i>	
ASSESSING AIRPORT COMPETITION THROUGH CATCHMENT AREA ANALYSIS IN TAIWAN	1701
<i>C.-H. Chang, E. Yiin</i>	
IDENTIFYING TRAINING NEEDS ASSOCIATED WITH THE IMPLEMENTATION OF THE AVIATION SYSTEM BLOCK UPGRADES	1715
<i>B. Lutte</i>	
USING DEA MODELS TO ESTABLISH A COMBINED PERCEIVED QUALITY AND PROFITABILITY INDICATOR FOR AIRPORTS	1725
<i>R. Merkert, A. Assaf</i>	
AIRPORT SURFACE ACCESS WITH INTERNET MOBILE SERVICES (PAPER IN PROGRESS)	1741
<i>L. Martin-Domingo, J. Martin</i>	
ANALYSING AIR OPERATORS' MANAGERIAL PERCEPTIONS OF INCENTIVES FOR REGIONAL AIR SERVICE ROUTE DEVELOPMENT WITHIN EUROPE	1745
<i>R. Merkert, B. O'Fee</i>	
OPERATIONAL PERFORMANCE MEASURES FOR NATIONAL AIR TRAFFIC CONTROL SYSTEMS	1764
<i>L. MacLean, A. Richman, S. MacLean</i>	
THE TRADE-OFFS BETWEEN CONFLICTING GOALS OF THE SCORING SYSTEM FOR AIRPORT SLOT ALLOCATION IN JAPAN	1770
<i>H. Fukui, N. Akai, K. Nagata</i>	
HIGH-SPEED RAIL AND LOW COST CARRIER COMPETITION IN JAPAN: THE EFFECTS OF AIR TRANSPORT LIBERALIZATION ON INTER-MODAL TRANSPORT SYSTEMS	1834
<i>C. Surakitbanham, S. Landry</i>	

VOLUME 3

ECONOMIC EFFECTS OF AIR TRANSPORT LIBERALIZATION IN AFRICA	1849
<i>M. Abate</i>	
METACDM: MULTIMODAL, EFFICIENT TRANSPORTATION IN AIRPORTS AND COLLABORATIVE DECISION MAKING	1875
<i>A. Marzuoli, I. Laplace, E. Feron, L. Dray</i>	
COOPERATION AND COMPETITION OF AIRPORTS - LESSONS FROM EUROPE	1890
<i>K. De Langhe, F. Kupfer, C. Sys, E. Van de Voorde, T. Vanelslander</i>	
AVIATION CLIMATE RESILIENCE: CLARIFYING THE IMPACTS AND IDENTIFYING THE BARRIERS	1914
<i>R. Burbridge</i>	
THE AVAILABILITY OF JOBS IN THE EUROPEAN AIR TRANSPORT AND AERONAUTICS SECTOR	1932
<i>S. Ghijs, F. Kupfer, E. Struyf</i>	
ORGANIZATIONAL AMBIDEXTERITY IN THE AIRLINE INDUSTRY: EVIDENCE FROM LOW COST AND LEGACY CARRIERS	1950
<i>E. Siachou, T. Flouris, A. Yilmaz</i>	
A STUDY ON THE MEASURING OF CONSUMERS' PERCEPTION TOWARDS THE MOBILE MARKETING CAMPAIGNS IN AIR TRANSPORTATION	1980
<i>O. Atalik, F. Sak, E. Sezgen</i>	

DOES THE PUBLIC SUBSIDY TO DIRECT AIR-SERVICE ALWAYS IMPROVE THE WELFARE OF CONSUMERS?	1997
<i>H. Yamaguchi, M. Okumura</i>	
INTER-REGIONAL PASSENGER DEMAND SURVEY BY USING WEB SITE: DATA QUALITY AND LIMITATIONS	2013
<i>M. Tsukai</i>	
EXPLORING CORPORATE SOCIAL RESPONSIBILITY AS A COMPONENT OF STRATEGY STATEMENTS IN AIRLINES	2021
<i>F. Sengur, Y. Sengur</i>	
REVIEW OF DECISION SUPPORT SYSTEMS IN AIR TRANSPORT SYSTEM	2030
<i>N. Ivanov, F. Netjasov</i>	
AIRPORT PERFORMANCE AND EFFICIENCY ASSESSMENT. A NEW APPROACH	2050
<i>M. Baltazar, J. Jardim, P. Alves, P. Marchao, J. Silva</i>	
PERFORMANCE INDICATORS TO ASSESS INTERMODAL CONCEPTS	2061
<i>M. Urban, M. Cole, P. Langfermann, A. Paul</i>	
AN EMPLOYEE RECRUITMENT SYSTEM BASED ON FUZZY ANALYTIC HIERARCHY PROCESS FOR CABIN CREW	2074
<i>K. Gulnaz</i>	
THE FLEET SELECTION MODEL OF LOW COST CARRIER IN TAIWAN	2087
<i>C.-H. Chang, S.-S. Cho</i>	
AIRLINE GREEN BRAND IMAGE AND BRAND RELATIONSHIP QUALITY	2095
<i>F.-Y. Chen, S.-L. Tu, Y.-S. Chen</i>	
IMPLICATIONS OF AIRCRAFT CONCEPTS USING ALTERNATIVE ENERGY ON GROUND OPERATION	2106
<i>M. Schmidt, A. Paul, M. Cole, K. Ploetner, B. Luftfahrt</i>	
SERVICE FAILURE AND RECOVERY IN THE AIRLINE INDUSTRY: MODERATING EFFECT RAPPORT & FSC/LCC PASSENGER	2118
<i>S. Chang, M. Kim</i>	
A USER PREFERENCE ANALYSIS FOR A HYPERSONIC AIR TRANSPORTATION SERVICE	2124
<i>N. Minato, T. Kobayashi</i>	
AVIATION SAFETY: AUTOMATING THE PILOT OR HUMANIZING THE MACHINES, THAT IS THE QUESTION.	2144
<i>A. Vieira</i>	
CLASSIFYING SYNERGIES IN GLOBAL AIRLINE ALLIANCES	2161
<i>G. Orhan, D. Tasci</i>	
FIRST IMPACTS OF ASEAN LIBERALIZATION ON REGIONAL AIR TRANSPORT MARKETS: THE CASE OF CAMBODIA	2175
<i>I. LaPlace, N. Lenoir</i>	
INVESTIGATION OF THE FLIGHT PRODUCT CHOICE PROBLEM IN DYNAMIC SETTINGS	2186
<i>U. Freund-Feinstein, S. Bekhor</i>	
EMPIRICAL ANALYSIS FOR HUB-AIRPORT CHOICE AS INTERNATIONAL TRANSIT POINT IN JAPAN: NARITA, KANSAI, AND CHUBU	2210
<i>N. Akai, M. Usami</i>	
AIRSHIPS AND AEROSTATS TECHNOLOGY. A STATE OF ART REVIEW	2220
<i>A. Marques, P. Reis, T. Amaral, S. Claro, T. Santos, J. Neves, J. Silva</i>	
THE EFFECT OF WORKPLACE STRESS ON PERCEIVED PERFORMANCE-THE MEDIATING ROLE OF CREW RESOURCE MANAGEMENT: A STUDY OF AIRLINE PILOTS	2236
<i>S. Soran, M. Balkan</i>	
OPTIMIZING DELAY MANAGEMENT PROBLEM WITH AIRCRAFT SEQUENCING CONSTRAINTS	2245
<i>M. Wormer, B. Santos, T. Achola, R. Curran</i>	
THE ROLE OF LONDON AIRPORTS IN PROVIDING CONNECTIVITY FOR THE UK: REGIONAL DEPENDENCE ON FOREIGN HUBS	2262
<i>P. Suau-Sanchez, A. Voltes-Dorta, H. Rodriguez-Deniz</i>	
IMPROVED SAFETY SURFACE ACCESS AT LOW COST AIRPORTS: KUALA LUMPUR INTERNATIONAL AIRPORT, MALAYSIA CASE STUDY	2278
<i>R. Sabar, M. Melan, N. Anuar</i>	
A WAYFINDING, ROAD SAFETY AND COST-BENEFIT ANALYSIS OF ALTERNATIVE AIRPORT ROAD ACCESS DESIGN SOLUTIONS	2286
<i>N. Anuar</i>	

IDENTIFICATION OF CAPACITY CONSTRAINED AIRPORTS: A REVIEW OF INDICATORS AND A CASE STUDY OF MAJOR EUROPEAN AIRPORTS	2298
<i>C. Schinwald, M. Hornung</i>	
AEROSPACE CLUSTERS AND COMPETITIVENESS POLES: A FRANCE-QUEBEC COMPARISON	2312
<i>N. Gardes, I. Dostaler, C. Barredy, C. Gourmel-Rouger</i>	
AIRPORT MARKETING – A CONCEPTUAL ANALYSIS OF BRANDING AND POSITIONING STRATEGIES.....	2332
<i>J. Gebauer</i>	
THE NEW CONCEPT OF PILOT TRAINING-MULTI CREW PILOT LICENSE (MPL): IS IT THE FUTURE OF SAFETY AND THE SOLUTION FOR PILOT SHORTAGES?	2342
<i>S. Soran, G. Yildirim</i>	
MULTI-AIRPORT MARKET DEVELOPMENT STRATEGIES A CASE IN WESTERN TAIWAN	2351
<i>J.-T. Wong, C.-Y. Hsiao, H.-E. Li</i>	
CONSUMER OPINION COMPARED AND CONTRASTED TO OPERATING STATISTICS: AN EXPLORATORY INVESTIGATION INTO DIFFERENT SYSTEMS OF AIRLINE SERVICE QUALITY	2369
<i>B. Waguespack</i>	
PRESENTATION AND USE OF EVALUATION MODEL ABOUT LACK OF COUNTRY AIRPORTS (CASE STUDY: 6 INTERNATIONAL AIRPORTS).....	2380
<i>S. Hassanpour, B. Mirbaha, A. Beheshty</i>	
PSYCHOPHYSIOLOGICAL FACTORS ANALYSIS IN UNPRESSURIZED AIRCRAFT CABINS	2402
<i>A. Coelho, S. Zorro, L. Patrao, J. Silva</i>	
A NEW APPROACH TO AIRCRAFT ROUTE OPTIMIZATION	2409
<i>S. Aalami, A. de Barros</i>	
OPTIMAL DESIGN OF DELAY REDUCTION CONTRACT IN EU AIR TRAFFIC MANAGEMENT*.....	2423
<i>C. Wang</i>	
AN ASSESSMENT OF PASSENGERS' SATISFACTION IN BRAZILIAN AIRPORTS.....	2496
<i>G. Bezerra, C. Gomes</i>	
ACCELERATING CHANGE BY REGIONAL FORERUNNERS (ACCANGE): TAKING STOCK OF PARALLEL EXPERIENCES	2509
<i>E. Delhaye, R. Frederix, B. Martens, N. Adler, S. Proost, H. Offerman</i>	
SIMULATION ANALYSIS OF CONFLICT BETWEEN INTERNATIONAL DEPARTURE FLIGHTS FROM JAPAN AND OVERFLIGHTS.....	2524
<i>H. Kinoshita, T. Hirata</i>	
FITTING THE NETWORK AS A MERGER GRANTS NEW AIRPORT ACCESS: ENTRY AND EXPANSION OF AZUL AIRLINES AT SAO PAULO/GUARULHOS AIRPORT	2537
<i>H. Bettini, A. Oliveira</i>	
MODELING DELAY PROPAGATION: A JOINT ANALYTICAL-STATISTICAL APPROACH	2555
<i>N. Kafle, B. Zou</i>	
TPOLOGY OF AIR TRAFFIC CONTROL CHARGES AND EFFICIENT USE OF AIRSPACE	2590
<i>K. Yuguchi</i>	
A STUDY ON THE IMPACT OF HSR ON THE AVIATION SECTOR IN VIEW OF THE RECENT JAPANESE CASE.....	2592
<i>T. Hayashi</i>	
LIABILITY OF AIR CARRIER AND PASSENGER RIGHTS IN PASSENGER CARRIAGE BY AIR IN TURKEY	2605
<i>H. Goktepe, Y. Kampusu</i>	
OPTIMIZING CONSUMER PREFERENCE IN AIRLINE SCHEDULING	2614
<i>S. Nenem, N. Dennis, A. Graham</i>	
BUSINESS MODEL PROPOSAL OF NEW, LUXURY FLYING BOAT CRUISE.....	2620
<i>Y. Horiuchi</i>	
AN ANALYSIS OF RYANAIR'S MARKETING & COMMUNICATIONS STRATEGY FOR ENTERING THE GREEK MARKET DURING THE FINANCIAL CRISIS.....	2633
<i>M. Xenofontos, K. Kalligiannis, T. Flouris</i>	
SUPERJUMBO AIRCRAFT SAFETY: COST-BENEFIT ASSESSMENT	2650
<i>I. Cavka, J. Vujacic, O. Cokorilo</i>	
A STUDY ON THE APTITUDE TEST OF REMOTELY PILOTED AIRCRAFT PILOTS	2662
<i>D. Ri, H. Myun, S. Si, C. Do</i>	

THE ECONOMICS OF AIR SPACE: PROMOTING A SLOT AUCTIONING SYSTEM FOR DEPARTURE TIME ALLOCATION IN INDONESIAN AIRPORTS	2682
<i>D. Parikesit, Sajrilah, Y. Permana</i>	
MANAGED AIR TRAVEL AND THE PRODUCTIVITY OF EXECUTIVES ON LONG-HAUL BUSINESS TRIPS WITHIN THE ASIA PACIFIC REGION	2695
<i>A. Chin, N. Jalil</i>	
SOME INSIGHTS INTO THE MARKET SPILL RECAPTURE MODEL FOR DEMAND UNCONSTRAINING	2723
<i>T. Drabas, C.-L. Wu</i>	
DEMAND ESTIMATION METHODOLOGY FOR A NEW AIR ROUTE	2733
<i>J. Choi, Y. Park, S.-Y. Lee, K. Lee</i>	
Author Index	