

19th Air Transport Research Society World Conference 2015

University Town, Singapore
2-5 July 2015

Volume 1 of 3

ISBN: 978-1-5108-1041-9

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© (2015) by Air Transport Research Society (ATRS)
All rights reserved.

Printed by Curran Associates, Inc. (2016)

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

AN APPLICATION OF SUPER – EFFICIENCY DATA ENVELOPMENT ANALYSIS TO AIRLINES PERFORMANCE EVALUATION.....	1
<i>Bo Lin, Kan Tsui</i>	
FUZZY MODELLING APPLIED TO ASSESSMENT OF IMPACT FACTORS FOR AIR CARGO DEMAND SCENARIO EMULATION	23
<i>F. L. P. Krykhtine, L. O. A. G. Raymundo, C. A. N. Cosenza, D. E. Pitfield, Felix Mora-Camino</i>	
ABSTRACT FOR 19TH ANNUAL WORLD CONFERENCE AIR TRANSPORT RESEARCH SOCIETY (ATRS): BASE ABANDONMENTS BY LOW-COST CARRIERS.....	51
<i>Paolo Malighetti, Stefano Paleari, Renato Redondi</i>	
EFFECT OF WEATHER DELAYS ON SHAREHOLDER VALUE: EVIDENCE FROM THE AIRLINE INDUSTRY	65
<i>Raghavan Gokhale</i>	
THE HUMAN RISK FACTORS OF RUNWAY EXCURSION FROM A PILOT PERSPECTIVE.....	72
<i>Yu-Hern Chang, Hui-Hua Yang, Yu-Jung Hsiao</i>	
INCUMBENT STRATEGIC INVESTMENT IN CAPACITY: EVIDENCE FROM MAJOR AIRLINES FACING POTENTIAL COMPETITION AT PRIMARY AIRPORTS	89
<i>Humberto F. A. J. Bettini, Alessandro V. M. Oliveira, Jose Maria J. F. Silveira</i>	
19TH ATRS WORLD CONFERENCE: STUDY ON AVIATION SAFETY PATTERN IN TAIWAN SINCE 1998.....	107
<i>Alex Y. L. Lu, Cheng-Hua Yang, Sherry Liu, Joseph Chen</i>	
EVALUATING THE IMPORTANCE OF AIR-SERVICE FOR TRAVEL DEMAND: EMPIRICAL ANALYSIS OF JAPAN	122
<i>Hiromichi Yamaguchi, Makoto Okumura</i>	
INTRODUCTION OF NEW NAVIGATION TECHNOLOGIES AND AIR TRAFFIC CONTROL CHARGING SYSTEMS	133
<i>Kiyotaka Yuguchi</i>	
COMPARATIVE ANALYSIS OF PRODUCTION POSSIBILITY FRONTIER IN MEASURING ECO-EFFICIENCY WITH DEA: AN APPLICATION TO AIRPORT	135
<i>Tae-Woong Yang, Hun-Koo Ha</i>	
PASSENGER’S CHOICE ON DIRECT AND CONNECTING FLIGHTS IN INDONESIAN DOMESTIC MARKET.....	158
<i>Shinya Hanaoka, Jiawen Jiang, Batari Saraswati</i>	
POTENTIAL TO REDUCE THE CLIMATE IMPACT OF AVIATION BY CLOSURE OF AIRSPACES	190
<i>M. Niklaß, B. Lührs, V. Grewe, T. Luckova, F. Linke, V. Gollnick</i>	
OPTIMIZATION OF AIRPORT BUNDLING: HOW DO AIRPORTS FIND BETTER PARTNERS?.....	204
<i>Mikio Takebayashi</i>	
IS THERE A NEED AND SCOPE TO REVITALIZE SMALL REGIONAL AIR TRANSPORT IN EUROPE?	219
<i>Sven Maertens</i>	
EFFECTS OF NOISE SENSITIVITY, NOISE EXPOSURE, AND AFFLUENT STATUS ON AIRCRAFT NOISE ANNOYANCE	238
<i>Veng Kheang Phun, Terumitsu Hiratab, Tetsuo Yai</i>	
THE EFFECTS OF AIRWAY DOUBLE-TRACKING: THE CASE OF NOSS DATA ANALYSIS.....	250
<i>Hyun-Il Park, Woo-Choon Moon, Yeong-Heok Lee, Ye-Jin Park</i>	
ALLEVIATION OF FLIGHT DELAY SITUATIONS THROUGH ALTERNATIVE PASSENGER ARRANGEMENT MECHANISMS	261
<i>Wei-Ning Wu, Chieh-Hua Wen</i>	
VALUE OF TIME AND WILLINGNESS TO PAY FOR REGIONAL AVIATION.....	274
<i>Rico Merkert, Matthew Beck</i>	
ECONOMETRIC EVIDENCE ON THE DETERMINANTS OF AIR TRANSPORT IN SOUTH ASIAN COUNTRIES	300
<i>Md Mahbulul Hakim, Rico Merkert</i>	

ANALYSIS OF SAFETY WORRIES TOWARDS AVIATION ACCIDENTS USING COX PROPORTIONAL HAZARDS MODEL	317
<i>Chen-Wei Li, Tetsuo Yai, Mio Suzuki, Veng Kheang Phun</i>	
A COST BENEFIT ANALYSIS OF DELHI AIRPORT PPP PROJECT	319
<i>Sumana Chaudhuri, Ranjan Chaudhuri</i>	
EFFECT OF LCCS' DEVELOPMENT ON AIR TRAFFIC DENSITY OF CITIES: A CASE OF EUROPE	336
<i>Koji Domae, Hidenobu Matsumoto</i>	
RETAILING IN PPP AIRPORTS IN INDIA	352
<i>Ranjan Chaudhuri, Saumyadeep Mazoomdar</i>	
SERVICE INNOVATION IN THE AIRLINE INDUSTRY: WHAT DO CLIENTS WANT?	369
<i>Luciana Cualheta, Max Well Elias, Mauro Caetano</i>	
SHIFTING COMPETITIVE POSITIONS AMONG PRIMARY CITIES IN EUROPE.....	381
<i>Hidenobu Matsumoto, Koji Domae</i>	
AN EXAMINATION OF ONGOING TRENDS IN AIRLINE ANCILLARY REVENUES	395
<i>David Warnock-Smith, John F. O'Connell, Mahnaz Maleki</i>	
VERTICAL INTEGRATION IN THE AIRLINE INDUSTRY	430
<i>Akira Mitsumasu</i>	
DYNAMIC EVOLUTION OF EUROPEAN AIRPORT SYSTEMS IN THE CONTEXT OF LOW-COST CARRIERS GROWTH.....	436
<i>Edgar Jimenez, Joao Claro, Jorge Pinho De Sousa, Richard De Neufville</i>	
PREFERENCE FOR BUSINESS CHARTER A STUDY OF BUSINESS TRAVELERS FROM TAIPEI TO SHANGHAI	451
<i>Jing-Xuan Chen, Jin-Ru Yen</i>	
A HIGH-FIDELITY ARTIFICIAL AIRPORT ENVIRONMENT FOR SESAR APOC VALIDATION EXPERIMENTS	459
<i>Florian Piekert, Nils Carstengerdes, Sebastian Schier, Reiner Suikat, Alan Marsden</i>	
FORECASTING GLOBAL AIR PASSENGER DEMAND NETWORK USING WEIGHTED SIMILARITY-BASED ALGORITHMS	475
<i>Ivan Terekhov, Antony Evans, Volker Gollnick</i>	
1 THE NUMBER OF SPOT DETERMINATION FOR LARGE HUB AIRPORT.....	487
<i>Jaesung Park, Byung Jong Kim, Wonkyu Kime</i>	
PERMITTING FOREIGN OWNERSHIP AND CONTROL – POTENTIAL EFFECTS OF A FURTHER DEREGULATION OF AIR TRANSPORT MARKETS IN EUROPE	492
<i>Frank Fichert</i>	
CHALLENGES TO DOMESTIC AIR FREIGHT IN AUSTRALIA: EVALUATING AIR TRAFFIC MARKETS WITH GRAVITY MODELLING	502
<i>David W. Alexander, Rico Merkert</i>	
ADVANCE PURCHASING BEHAVIORS OF AIR TICKETS.....	522
<i>Yu-Chiun Chiou, Chia-Hsin Liu</i>	
APRON CAPACITY ESTIMATION AND TIMETABLE MANAGEMENT OF TAIWAN TAOYUAN INTERNATIONAL AIRPORT	534
<i>Sui-Ling Li</i>	
MARKET STRUCTURE AND AIRLINE PRICING: EVIDENCE FROM THE CHINESE AIRLINE INDUSTRY	557
<i>Jiaqiang Song, Hangjun Yang, Qiang Wang</i>	
SHIPMENT PLANNING OF AN INTEGRATED AIR FREIGHT AND SEA FREIGHT FORWARDER.....	572
<i>Yuh-Horng Wen, Dun-Ji Chen</i>	
AIR PASSENGERS' ROUTE CHOICE BEHAVIOR AMONG COMPETING HUB-AIRPORTS	591
<i>Se-Yeon Jung, Sihyun Yoo, Kwang-Eui Yoo, Je-Chul Kim</i>	
AN ASSESSMENT OF PRODUCTIVITY AND EFFICIENCY IN NIGERIAN AIRPORTS USING DATA ENVELOPMENT ANALYSIS.....	604
<i>Obioma R. Nwaogbe, Innocent C. Ogwude, Carlos P. Barros</i>	
BIOMETRICS AT AIRPORTS: DIVERGING TRENDS IN DEPLOYMENT FOR PUBLIC AND STAFF APPLICATIONS.....	637
<i>Christer J Wilkinson</i>	
ACCESSIBILITY TO ITALIAN REMOTE REGIONS. WHEN AIR TRANSPORT IS THE BEST ALTERNATIVE?	646
<i>Antonio Laurino, Paolo Beria, Andrea Debernardi</i>	

ACCESSIBILITY TO ITALIAN REMOTE REGIONS. WHEN AIR TRANSPORT IS THE BEST ALTERNATIVE?	668
<i>Antonio Laurino, Paolo Beria, Andrea Debernardi</i>	
AIR TRAFFIC DEMAND FORECASTING IN THE PRESENCE OF PSO (PUBLIC SERVICE OBLIGATION)	690
<i>I. Meloni, R. Devoto, N. Rassu, B. Sanjust</i>	
PASSENGERS' PERCEPTIONS FOR SUPPORTING AIRPORT INCENTIVE PROGRAMS	706
<i>Chia-Jui Hsu, Yu-Chun Chang, Jin-Ru Yen, Hui Kee Woon</i>	
MODEL OF INTEGRATED AIR PASSENGER INFORMATION SYSTEM AND ITS ADAPTATION TO BUDAPEST AIRPORT	728
<i>Csaba Csiszár, Eniko Nagy</i>	

Volume 2

PRODUCTIVITY AND EFFICIENCY ANALYSIS OF TAIWAN AIRPORTS AFTER THE THREE LINKS AGREEMENT: A TWO-STAGE DEA ANALYSIS	741
<i>Yang Lu, Hozumi Morohosi</i>	
PASSENGERS' PERSPECTIVE TOWARD AIRPORT SERVICE QUALITY: THE COMPARISON BETWEEN THE TWO CAPITAL CITY AIRPORTS IN TAIWAN	761
<i>Shih-Yao Kuo, Shu-Chuan Chen</i>	
AN EVALUATION OF WAYFINDING AND ROAD SIGNAGE ON DRIVER BEHAVIOUR AND ROAD SAFETY OF AIRPORT ROAD ACCESS DESIGN	779
<i>Nur Khairiel Anuar, Romano Pagliari, Richard Moxon</i>	
EVALUATION OF THE ECONOMIC VALUE OF OPERATING QUIETER AIRCRAFT	794
<i>Nadine Genoulaz, Pierre Lempereur, Paul Dermakar</i>	
IMPACT OF NETWORK CONFIGURATION ON HIGH-SPEED RAIL DEVELOPMENT AND ADOPTION	810
<i>Valentina Bracaglia, Tiziana D'Alfonso, Alberto Nastasi, Anming Zhang</i>	
INTERACTIONS IN COMPLEX SYSTEMS – AN AIR NAVIGATION SERVICE PROVIDER MODEL	824
<i>Michael Kreuz, Michael Schultz</i>	
AIRPORT LOYALTY PROGRAMS	839
<i>Thalissa Maurer, Andreas Wittmer</i>	
DEVELOPING CORPORATE SOCIAL RESPONSIBILITY STRATEGIES FOR TAIWAN'S CHINA AIRLINES	850
<i>Yu-Hern Chang, Chung-Hsing Yeh, Hao-Jun Chang</i>	
AIR TRAVEL BANKS: A VIABLE PUBLIC-PRIVATE PARTNERSHIP APPROACH TO AIRPORT ROUTE DEVELOPMENT?	863
<i>Richard Klopheus</i>	
STATED IN-FLIGHT SERVICE PREFERENCES FOR SHORT- TO MEDIUM HAUL AIR TRIPS	873
<i>Florian Heinitz, Marcus Hirschberger</i>	
LIMITS TO AIR TRAVEL GROWTH	888
<i>Anne Graham, David Metz</i>	
A STUDY ON THE IMPACT OF HSR ON THE AVIATION SECTOR IN VIEW OF THE RECENT JAPANESE CASE	905
<i>Taizo Hayashi</i>	
AVIATION DEREGULATIONS AND ITS EFFECTS ON CHARTER BUSINESS IN NORTHEAST ASIA: A CASE OF AVIATION DEREGULATION BETWEEN CHINA AND TAIWAN	918
<i>Chuntao Wu, Jingting Yuan</i>	
NEGOTIATE-ARBITRATE REGULATION OF AIRPORT SERVICES: TWENTY YEARS OF EXPERIENCE IN AUSTRALIAN	933
<i>Margaret Arblaster</i>	
SYSTEMATIC DEVELOPMENT OF PRE-TACTICAL AIRLINE KEY PERFORMANCE INDICATORS	959
<i>Steffen Wenzel, Larissa Reuter, Klaus Lütjens</i>	
FASTER, HIGHER, STRONGER? THE OLYMPIC AIRWAYS AND AEGEAN AIRLINES MERGER AND OTHER RECENT EXAMPLES OF THE FAILING FIRM DEFENCE APPLIED TO THE AIRLINE INDUSTRY	973
<i>Andrew Harrington, Sean McGonigle</i>	

AUXILIARY FUZZY INVESTIGATION INTO THE UNDERSTANDING OF AIRCRAFT ACCIDENT OVERRUN LOCATIONS	995
<i>L. O. A. G. Raymundo, D. E. Pitfield, C. A. N. Cosenza, F. Krykhtine</i>	
ASSESSING QUALITY OF AIR TRAVEL USING THE IMPACT OF FREQUENCY, TRAVEL TIME AND NUMBER OF TRANSFERS ON PASSENGER DEMAND	1009
<i>Katrin Kölker, Robin Ghosh, Klaus Lütjens</i>	
FUTURE PASSENGER AIR TRAFFIC MODELLING: A THEORETICAL CONCEPT TO INTEGRATE QUALITY OF TRAVEL, COST OF TRAVEL AND CAPACITY CONSTRAINTS	1024
<i>Robin Ghosh, Katrin Kölker, Ivan Terekhov</i>	
A STUDY OF THE AIR TRANSPORT SERVICES IN REGIONAL AUSTRALIA	1034
<i>Yahua Zhang</i>	
LANDING UNDERSHOOT ACCIDENTS: AN ANALYSIS OF DECELERATION AND THE X LOCATION OF THE WRECKAGE.....	1046
<i>D. E. Pitfield, D. P. Gleave</i>	
INTANGIBLE RESOURCES OF COMPETITIVE ADVANTAGE: ANALYSIS OF 49 ASIAN AIRLINES ACROSS THREE BUSINESS MODELS	1073
<i>James Pearson, David Pitfield, Tim Ryley</i>	
ESTIMATION OF ROUTE-BASED AIR TRAVEL DEMAND ELASTICITIES IN NIGERIA.	1100
<i>E. A. Ejem, I. C. Ogwude, C. C. Ibe, S. M. Nzotta, C. C. Ikeogu</i>	
USER BENEFIT ANALYSIS FOR HYPERSONIC AIR TRANSPORT SERVICES - COMPARATIVE STUDY BETWEEN SUBSONIC AND SUPERSONIC FLIGHT SERVICES-.....	1116
<i>Kazuki Endo, Nobuaki Minato, Masaru Nakano</i>	
SHEDDING LIGHT ON COST STICKINESS – INSIGHTS FROM THE AIRLINE INDUSTRY.....	1141
<i>Ulf Diefenbach, Fiona Walter</i>	
TECHNICAL EFFICIENCY ANALYSIS OF MAJOR INTERNATIONAL AIRPORTS IN CHINA: A STOCHASTIC FRONTIER DISTANCE FUNCTION APPROACH.....	1200
<i>Kok Fong See, Ru Ji</i>	
COMPETITION FOR LONG-HAUL CONNECTING TRAFFIC AMONG AIRPORTS IN EUROPE AND THE MIDDLE EAST	1221
<i>Tobias Grosche, Richard Klophaus, Adam Sredynski</i>	
DETERMINANTS OF PARTNERSHIP LEVEL IN AIRLINE/HIGH-SPEED RAIL COOPERATION	1240
<i>Changmin Jiang, Yulai Wan, Tiziana D’Alfonso</i>	
A CONCENTRATION ANALYSIS IN THE TURKISH DOMESTIC AIR TRANSPORTATION INDUSTRY USING WITH CRM AND HERFINDAHL-HIRSCHMAN INDEXES	1253
<i>Kasim Kiraci, Mehmet Yasar, Selçuk Kayhan, Temel Caner Ustaömer</i>	
THE RISE AND FALL OF REGIONAL INTERNATIONAL AIRPORTS IN NEW ZEALAND AS A CONSEQUENCE OF AIRLINE VOLATILITY	1270
<i>David Lyon, Graham Francis</i>	
THE POSITIVE MOMENTS IN CUSTOMER SERVICE BY CABIN CREW FROM THE PERSPECTIVE OF EMOTIONAL LABOR.....	1288
<i>Noriko Okabe</i>	
TRANSPORTATION NETWORK COMPANIES AND AIRPORTS: AN EVALUATION OF TRANSPORTATION NETWORK COMPANIES’ IMPACT ON WILLIAM P. HOBBY AIRPORT	1300
<i>Perry J. Miller</i>	
DO KEY DIFFERENCES IN HUMAN-MACHINE INTERFACE DESIGN PHILOSOPHY BETWEEN AIRCRAFT TYPES INFLUENCE THE CAUSAL MECHANISMS OF HULL LOSS ACCIDENTS ACROSS THE AVIATION INDUSTRY?.....	1316
<i>Jonathan Phillips, Matt Ebbatson, Chrystal Zhang</i>	
EFFECT OF CEO AGE ON FIRM PERFORMANCE: A STUDY OF THE AIRLINE INDUSTRY	1333
<i>Hari P. Adhikari, Sunder V. Raghavan</i>	
PREFERENCES OF AIRPORT MANAGEMENT ON TERMINAL FACILITIES IN LOW COST TERMINAL (LCT) DESIGN	1347
<i>Rohafiz Sabar, Nur Khairiel Anuar</i>	
PATERNALISTIC LEADERSHIP AND CABIN CREW’S VOICE BEHAVIOR	1356
<i>Shu-Chuan Chen</i>	
AN ANALYTICAL APPROACH TO DETERMINE AIRPORT AIRSIDE CAPACITY UTILISATION: TAKING INTO ACCOUNT ARRIVAL-DEPARTURE SLOT DEPENDENCIES	1376
<i>Christoph Schinwald, Mirko Hornung</i>	

INVESTIGATING THE IMPACTS OF AIR TRAVELLERS' ENVIRONMENTAL KNOWLEDGE ON ATTITUDES TOWARD CARBON OFFSETTING AND WILLINGNESS TO PARTICIPATE IN THE OFFSETTING PROGRAM.....	1387
<i>Jin-Long Lu, Chiu-Yi Wang</i>	
INVESTIGATING THE AIR PASSENGERS PREFERENCES OF THE AIRLINE ANCILLARY SERVICES	1403
<i>Jin-Long Lu, Jen-Shiang Chang, Wan-Chuen Tsai</i>	
‘THE FUTURE OF MULTI-LEVEL CLIMATE CHANGE GOVERNANCE IN INTERNATIONAL AVIATION: A (MORE) PRINCIPLED APPROACH?’	1416
<i>N/A</i>	
FORECASTING MODELS FOR VISITOR ARRIVALS TO NEW ZEALAND	1434
<i>Wai Hong Kan Tsui, Faruk Balli, Hatice Ozer Balli</i>	
TOWARDS SEAMLESS PASSENGER TRANSPORT: PERFORMANCE OF INTERMODAL APPROACHES.....	1455
<i>Marcia Urban, Annika Paul, Mara Cole</i>	

Volume 3

NECESSITY FOR FINANCIAL TRANSPARENCY OF AIRPORTS TOWARD EFFICIENT AIRPORT MANAGEMENT – SIMULATION OF AVIATION FUEL TAX ALLOCATION –.....	1467
<i>Nobuo Akai, Muneatsu Usami</i>	
NIGERIA’S AIRPORT ENVIRONMENT: LESSONS FOR OPERATIONAL EFFICIENCY	1497
<i>Victor Adedayo Kayode</i>	
CONSTRAINED AND UNDERUTILISED AIRPORTS: TWO SIDES OF A COIN	1524
<i>Peter Berster, Marc Gelhausen, Dieter Wilken</i>	
THE IMPACT OF LCC ON NON-AERONAUTICAL REVENUES IN AIRPORT: AN EMPIRICAL STUDY OF UK AIRPORTS.....	1547
<i>Muneki Yokomi, Phill Wheat, Jun Mizutani</i>	
DETERMINANTS OF PASSENGERS’ CHOICE OF AIRLINES IN AUSTRALIA-VIETNAM MARKET	1566
<i>Je-An Lui, Lee Ching Wong, Kim Thi Nguyen</i>	
STUDIES FOR AIR TRAFFIC MANAGEMENT R&D IN THE LOCAL-REGION CONTEXT.....	1586
<i>Z. W. Zhong, Y. J. Lin, Dhir Varun</i>	
ADVANCING TOTAL AIRPORT MANAGEMENT – AN INTRODUCTION OF PERFORMANCE BASED MANAGEMENT IN THE AIRPORT CONTEXT	1594
<i>Stefanie Helm, Steffen Loth, Michael Schultz, Stefanie Helm</i>	
ANALYTICAL MODELS OF TRADITIONAL VERSUS VIRTUAL CODE-SHARE PARTNERSHIPS IN THE AIRLINE INDUSTRY	1613
<i>Yan Du</i>	
EFFICIENCY OF AIRPORTS AND AIRLINE COSTS AT AIRPORTS	1640
<i>Chunyan Yu, Bijan Vasigh</i>	
EFFECTIVENESS AND ECONOMICS OF CARBON FOOT-PRINT REDUCTION IN AVIATION: AN ANALYSIS OF MEASURES ADOPTED BY THE SRI LANKAN AIRLINES	1660
<i>T. Lalithasiri Gunaruwan, C. D. Mannawaduge</i>	
A STUDY OF OPERATIONAL EFFICIENCY AND TECHNOLOGY FOR AIRPORTS IN EUROPE AND THE ASIA-PACIFIC REGION: A NON-PARAMETRIC METAFRONTIER APPROACH	1672
<i>Po Lin Lai, Ying Hsiu Chen</i>	
SIMULATION-BASED TURNAROUND EVALUATION FOR LELYSTAD AIRPORT	1687
<i>Miguel Mujica Mota, Nico De Bock, Geert Boosten, Edgar Jimenez, Jorge Pinho</i>	
AIR ROUTE SUSPENSION: LESSONS FROM AUSTRALIA	1702
<i>Gui Lohmann</i>	
THERMAL REGIONS AS AIRSPACE CLASSES FOR UAS	1745
<i>Resul Fikir</i>	
A HIERARCHICAL STRUCTURED MODEL FOR AIRLINE SAFETY HEALTH ASSESSMENT.....	1753
<i>Jinn-Tsai Wong, Wen-Chien Yeh</i>	
GULF CARRIER TICKET PRICING. HOW MUCH CHEAPER ARE THEY?.....	1772
<i>Thijs Boonekamp, Rogier Lieshout</i>	
EFFECTS OF SOUTHWEST AIRLINES’ ENTRY AND AIRPORT DOMINANCE	1787
<i>Ryota Asahi, Hideki Murakami</i>	

AN EXAMINATION OF THE SURFACE CONNECTIVITY MERITS OF HEATHROW AND GATWICK AIRPORT EXPANSION PLANS.....	1798
<i>Tim Ryley, Alberto Zanni</i>	
SUPPORTING AIR TRANSPORT POLICIES USING BIG DATA ANALYTICS: A DESCRIPTIVE APPROACH BASED EMERGING TREND ANALYSIS	1840
<i>Hyun-Jung Kim, Nam-Ok Jo, Kyung-Shik Shin, Jin-Seo Park, Ga-Ram Sim, Je-Chul Kim</i>	
THE IMPACT OF OPERATIONAL EXPOSURE ON AIRLINE CHOICE	1864
<i>N/A</i>	
A SYSTEMATIC REVIEW OF ADS-B PERFORMANCE MONITORING METHODS.....	1893
<i>Busyairah Syd Ali</i>	
YOU CAN'T ALWAYS GET WHAT YOU WANT: THE RECONFIGURATION OF COOPETITIVE AND COLLABORATIVE ALLIANCES IN AIR FRANCE'S PORTFOLIO	1903
<i>Paul Chiambaretto, Anne-Sophie Fernandez</i>	
MULTIDIMENSIONAL BENCHMARKING OF AIR NAVIGATION SERVICE PROVIDERS	1943
<i>Thomas Standfuß</i>	
PERFORMANCE AND HETEROGENEITY OF NIGERIAN AIRPORTS	1954
<i>C. P. Barros , O. R. Nwaogbe, I. C. Ogwude, V. Omoke</i>	
TECHNICAL EFFICIENCY OF AIRPORTS: AN APPROACH FOCUSED IN AIRPORT INFRASTRUCTURE – AIR SIDE.....	1988
<i>Antonio Márcio Ferreira Crespo, Milena Studic</i>	
BOOSTING THE PRODUCTIVITY OF AUSTRALIA'S TOURISM INDUSTRY	1996
<i>David T. Tan, Tay T. R. Koo, David Timothy Duval</i>	
COLLISION COURSE: PASSENGER RIGHTS VS. AIRLINE EMPLOYEES' RIGHT TO STRIKE – ECONOMIC AND LEGAL ASPECTS	2015
<i>Andreas Knorr, Claudia Hipp</i>	
FACTORS INFLUENCING HOW LOW COST CARRIERS CHOOSE AIRPORTS.....	2026
<i>Sarmad Alshawi , Xiaolei Guo, Wafi Al-Karaghoul, Amir Sharif</i>	
THE CASE FOR SMS REQUIREMENTS FOR GROUND SERVICE PROVIDERS	2038
<i>Milena Studic, Wolfgang Schuster, Antonio Márcio Ferreira Crespo, Arnab Majumdar, Washington Y Ochieng</i>	
EXIT AND SOCIAL EFFICIENCY: JAPANESE DOMESTIC AIRLINE MARKET	2053
<i>Ujo Goto, Ryohei Yamamoto</i>	
CAN MARKET POWER BE CONTROLLED BY REGULATION OF CORE PRICES ALONE?: AN EMPIRICAL ANALYSIS OF AIRPORT DEMAND AND CAR RENTAL PRICE	2080
<i>Achim I. Czerny, Zijun Shi, Anming Zhang</i>	
PAKISTAN'S NATIONAL AVIATION POLICY 2015: AN UNPRECEDENTED OPPORTUNITY FOR GLOBAL & REGIONAL AVIATION BUSINESS ENTREPRENEURS.....	2110
<i>Wali Mughni</i>	
AIRLINE AIRCRAFT MODEL SELECTION FOR FIGHT CANCELLATION CASES WITH DEMATEL AND ANALYTIC NETWORK PROCESS	2115
<i>Rong-Ho Lin, Pedro Jose Gudiel Pineda, Pei-Chun Wang</i>	
THE POSSIBILITY OF THE IMPLEMENTATION OVER THE SELF BAG-DROP OFF SYSTEM TO ENHANCE AIRPORT OPERATION IN KOREA	2132
<i>Lee Kang-Seok</i>	
THE SUPERFUNCTION: OPTIMIZING AIRLINE PERFORMANCE AND MISSION SUCCESS.....	2142
<i>Kevin M. Smith</i>	
Author Index	