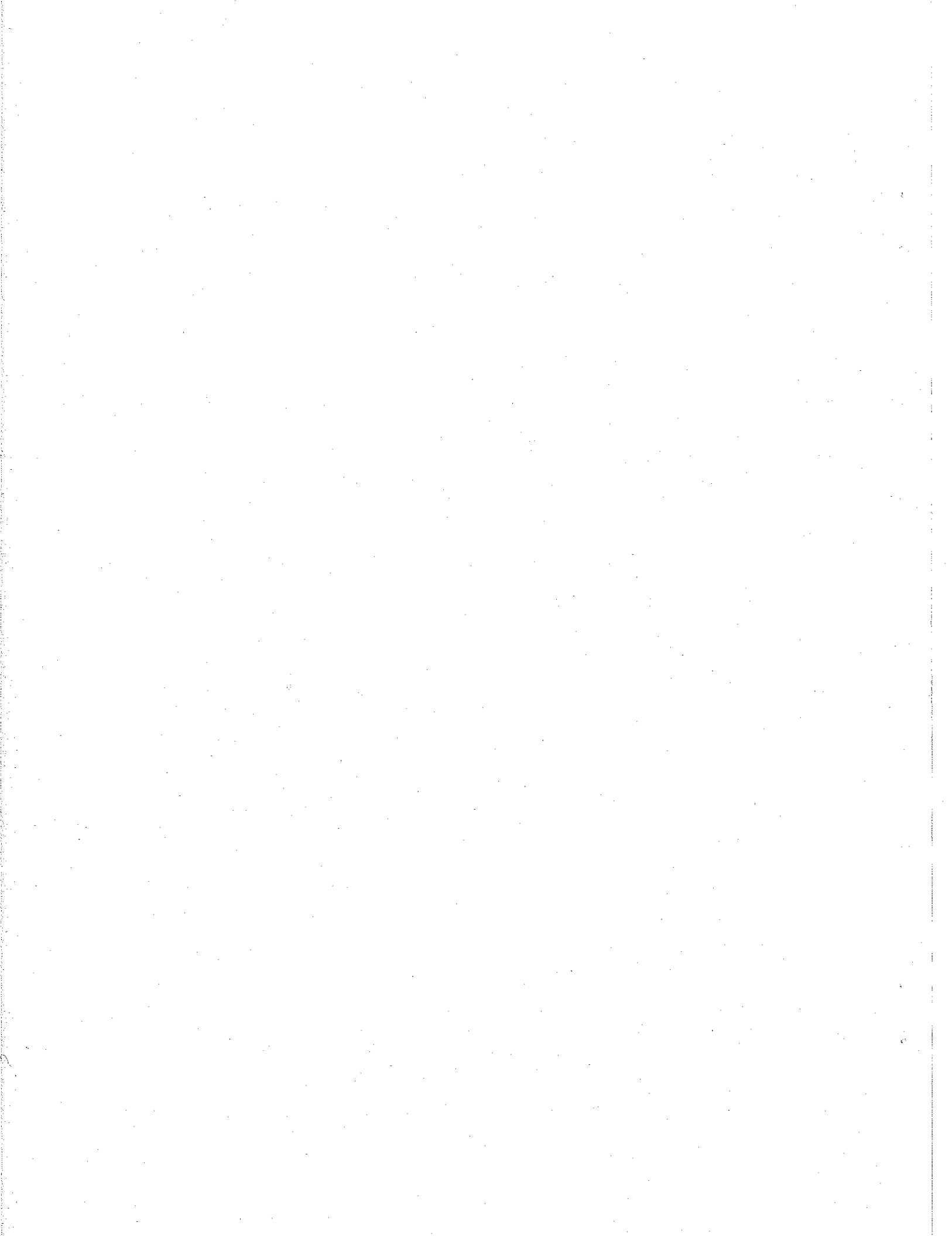


***International Conference on Air Transportation Operations and
Policy (3rd ATRG Conference)
City University of Hong Kong, HK
June 6-8, 1999***

Conference Program and Abstracts of Research Papers





Sunday, June 6, 1999

RECEPTION AND REGISTRATION 7:00pm-8:30pm
City Top 9/F

Monday, June 7, 1999

OPENING SESSION: 8:30am-9:00am
Lecture Theatre 8

Chair: Dr. Anming Zhang, the Conference Chair
Welcome by Professor Richard Ho, Dean of the Faculty of Business, City University of Hong Kong
Welcoming Address by Professor Tae Hoon Oum, President of the ATRG

KEYNOTE PANEL SESSION:

1. Infrastructure Financing 9:00am-10:30am
Lecture Theatre 8

Chair: Tae Oum, *University of British Columbia*

Mr Kemp Harker
Boeing Commercial Aircraft

"Air Traffic Forecast"

Kemp Harker will set the stage for panel discussion on infrastructure financing by presenting air traffic forecasts for the next millennium. After Harker's presentation, each panelist speaks for about 10-15 minutes concerning major issues in infrastructure financing. The panelist's speech can focus on either air transport infrastructure financing issues or general infrastructure financing issues. We hope to have some time for questions and answers.

Mr Edward Chu
Civil Aviation Department, Hong Kong

"Implementation of Satellite-based systems for Civil Aviation in the 21st Century"

David Gillen
University of California, Berkeley & Wilfrid Laurier University, USA & Canada

"Airport Finance"

Mr Alexander Zeverijn,
Schiphol Airport, Amsterdam

Mr Peter Lok
China (HK) International Aerospace Forum

"Prospect of Air Transport Industry in China"

Conference site: City University of Hong Kong
Tat Chee Avenue, Kowloon, Hong Kong

Conference chairperson: Dr. Anming Zhang,
Coordinator, Transportation Operations and Policy (TOP) Group,
Center for Competitiveness and
Acting Head
Department of Economics and Finance
Faculty of Business
City University of Hong Kong
Phone: +852-2788-7342 Fax: +852-2788-8806
E-mail: EFANMING@cityu.edu.hk

COFFEE BREAK

MORNING SESSIONS:

2A. Strategic Alliance

10:45 am-12:15noon
Lecture Theatre 8

Chair: Jong-Hun Park, *City University of Hong Kong*

- | | |
|--|--|
| Kazuyuki Takada, Tetsuo Yai, and
Makoto Harada
<i>Tokyo Institute of Technology</i> | "Evaluation of Airline Alliance in International Aviation
Market sing equilibrium analysis" |
| ✓ Birgit Kleymann
<i>Helsinki School of
Economics and Business Administration</i> | "Future developments in the structure of airline alliances
networks" |
| Michael Z. F. Li
<i>Nanyang Technological University, Singapore</i> | "Distinct Features of Lasting and Non-lasting Airline
Alliances" |
| Jan K. Brueckner and
<i>University of Illinois at Urban-Champaign</i>
Yimin Zhang
<i>City University of Hong Kong</i> | "Scheduling Decision in n airline Network: A Hub-and-
Spoke System's Effect on flight Frequency, Fares and
Welfare" |

2B. Airports and the Environment

10:45am-12:15noon
Lecture Theatre 10

Chair: John Black, *University of New South Wales*

- | | |
|--|---|
| Martin Kunz
<i>University of Freiburg</i> | "Noise Regulation at European Airports: Approaches and
Incentives" |
| ✓ Peter Morrel and
Hsiao-ying Lu
<i>Cranfield Univeristy</i> | "Noise Social Cost and Commercial Flight Chatge
Mechanism: A case study of Amsterdam Schiphol Airport" |
| ✓ John Black and
Heru Jatmika
<i>University of New South Wales</i> | "Economic Impacts and Land-Use Change Around Major
Airports: Some Examples from Sydney Kingsford Smith
Airport Based on an Eighty-Year Analysis" |

LUNCH TIME

12:15pm-13:45pm
City Top 9/F

AFTERNOON SESSIONS:

3A. Liberalization

1:45pm-3:15pm
Lecture Theatre 8

Chair: Jaap de Wit, *Civil Aviation Authority*

✓ Tae H. Oum
University of British Columbia
David Gillen and
*University of California, Berkeley & Wilfrid
Laurier University*
Richard Harris
Simon Fraiser University

**“A Model for Evaluating Economic Effects of Bilateral Air
Transport Liberalization”**

Jaap de Wit and
Peter Uittenbogaart
University of Amsterdam

**“The dynamics of European Aviation Networks since the
EU-Liberalisation”**

✓ Brian Graham
University of Ulster

**“Environmental sustainability, airport capacity and
European air transport liberalization: irreconcilable goals?”**

✓ George Williams
and Yu-Chun Chang
Cranfield University

“Civil Aviation Development in the Taiwan Area”

3B. Airport Economics and Management

1:45pm- 3:15pm
Lecture Theatre 10

Chair: Ken Button , *George Mason University*

Benedikt Mandel
MKMetric, Germany

“Airport Choice and Airport Competition”

Kwang Eui Yoo
and Yeing-heok Lee
Hankuk Aviation University, Korea

**“A Study on the Flight Service Network for Incheon
International Airport to be a Successful Hub Airport in
Northeast Asia”**

✓ Prabal Acharjee
and Kenth Lumsden
Chalmers University of Technology, Sweden

“Airfreight from a Process Concept”

COFFEE BREAK

International Conference on Air Transportation Operations and Policy

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4A. Airline Regulation and Privatization

3:45pm-5:15pm

Lecture Theatre 8

Chair: Paul Hooper, *National University of Singapore*

✓ Vanessa Tamms

Australian National University

"Re-examining the Slot Allocation Problem"

✓ Hannu Seristo

*Helsinki School of Economics and Business
Administration*

"Regulation as a driver for international airline alliances"

Hirotaaka Yamauchi

Hitotsubashi University

**"Air Transport Policy in Japan: Policy Change and Market
Competition"**

4B. Airline-Airport Interaction

3:45pm-5:15pm

Lecture Theatre 10

Chair: David Gillen, *University of California, Berkeley & Wilfrid Laurier University*

✓ David Gillen

*University of California, Berkeley & Wilfrid
Laurier University*

**"Infrastructure performance and Airline Performance: An
Empirical Study"**

Mark Hansen and Reza Djafrian
University of California, Berkeley

✓ Eric Pels, Peter Nijkamp
and Piet Rietveld

Free University

"Measuring Airport Productivity"

Roberto Rendeiro Martin-Cejas
Empresariales U.L.P.G.C

**"Airport Performance Measurement: A Cross Sectional
Comparison"**

John Black and Giovanni Nero
University of New South Wales

**"A Critical Examination of an Airport Noise Mitigation
Scheme and an Aircraft Noise Levy"**

DINNER TIME

6:30pm-8:30pm

City Chinese Restaurant 8/F

Tuesday, June 8, 1999

MORNING SESSIONS:

5A. Financial Performance

8:30am-10:00am

Lecture Theatre 8

International Conference on Air Transportation Operations and Policy

City University of Hong Kong, Hong Kong

June 6-8, 1999

Chair: Yimin Zhang, *City University of Hong Kong*

✓ Richard D. Gritta
University of Portland,
Edward J. Freed
and Garland Chow
University of British Columbia

"The Effects of Operating and Financial Leverage on the Stability of Airline Returns: A Study of the Major U.S. Carriers, 1979-1997"

Richard D.
University of Portland,
Sergio Davalos
Portland State University,
and Garland Chow
University of British Columbia

"A Current Appraisal of the Financial condition of the Major U.S. Air Carriers: A Neural Network Approach"

✓ Sveinn Vidar Gudmundsson
Universiteit Maastricht

"A Factor Analytical Study of Airline Management: The Case of New-Entrant Airlines"

Jong-Hun Park, Anming Zhang and
City University of Hong Kong
Namgyoo K. Park
New York University

"Strategic Alliance and Firm Value: A Longitudinal Study of the British Airway/ US Air Alliance"

5B. Service Quality

8:30am-10:00am
Lecture Theatre 10

Chair: Keith Mason, *Cranfield University*

✓ Raymon J. Kaduck
Government of the Northwest Territories,
Canada

"Intransit Preeclearance at Canadian Airports"

✓ Dawna L. Rhoades
and Blaise Waguespack, Jr.
Embry-Riddle Aeronautical University

"Judging a Book by it's Cover: The Relationship between Service And Safety Quality in U.S. National and Regional Airlines"

Alexanr P. Stepushin
Moscow State Automobile
and Roads Technical University

"Statistical Approach for Evaluation of Airport Pavement Functional Life"

Valentin Silyanov
and Boris A. Vinogradov
MADI-Technical University, Russia

"Aircraft Taking-off and landing while ice forming on surface of Aerodrome Pavements"

COFFEE BREAK

6A. Cost Competitiveness

10:30am-12:00noon
Lecture Theatre 8

Chair: Mark Hansen, *University of California, Berkeley*

✓ Keith Mason
Cranfield University

"The Propensity of Business Travellers to use Low Cost, Short Haul Airlines"

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✓ Jiun-Sheng Chris Lin
National Chi-Nan University, Taiwan
Martin Dresner
and Robert Windle
University of Maryland

“Determinants of Price Reactions to Entry in the US Airline Industry”

✓ Jean Bresson
ENAC University of Civil Aviation, France

“An appraisal of benefits generated by yield management in different cases”

✓ Fariba Alamdari
Cranfield University

“Airline IFE: the Passengers’ Perspective ”

6B. Demand for Air Traffic

10:30am-12:00noon

Lecture Theatre 10

Chair: Martin Dresner, *University of Maryland*

✓ Kenneth J. Button,
and Somik V. Lall
George Mason University

“Technology Intensive Employment and Hub Airports”

Anthony C. Homan
*MITRE Corporation-Center for Advanced
Aviation System Development, USA*

**“Changes in Flight Frequency and Point-to-Point Service:
Effects on Aviation Demand”**

✓ S Braathen, K S Eriksen,
H M Hjelle and M Killi
Molde College/Moere Research

**“Methods for Economic Appraisal in the Norwegian
Aviation Sector”**

Tomoki Ishikura
and Hajime Inamura
Tohoku University, Japan

**“A Study on Inter-city air/rail traveler's behavior
considering arrival margin time”**

LUNCH TIME

12:00 noon-2:pm

City Café 6/F

AFTERNOON SESSIONS:

7A. Airport Regulation and Privatization

2:00pm-3:30pm

Lecture Theatre 8

Chair: Peter Forsyth, *Monash University*

✓ Paul Hooper
National University of Singapore

**“Process of Airport Privatization in Australia and New
Zealand”**

✓ Peter Forsyth
Monash University

**“Regulation of Access to Essential Facilities in the Context
of Airports”**

David Gillen
*University of California, Berkeley & Wilfrid
Laurier University*
Holger Hinsch
and Michael O'Connor
SAIC

**“Measuring the Impact of Bilateral Liberalization on
Airport Revenues and Local Economic Activity”**

7B. Asian Aviation Markets

**2:00pm-3:30pm
Lecture Theatre 10**

Chair: Sunny Kwong, *Chinese University of Hong Kong*

✓ Anthony Chin, Paul Hooper and
National University of Singapore
Tae H. Oum
University of British Columbia

**“The Impacts of the Asian Economic Crises on Asian
Airlines: short-run Responses and Long-run Effects”**

Michael Z. F. Li
Nanyang Technological University, Singapore

“Asia-Pacific Airlines Amidst the Asia Economic Crisis”

Hongmin Chen
Shanghai Jiao Tong University
and Anming Zhang
City University of Hong Kong

**“The Reform and Performance of Air Transportation
Industry of China”**

Xie Xingquan
CAAC R & D Center, China

**“An analysis on the Industrial Structure and Growth of
China' Civil Aviation”**

✓ Joel Shon
National Cheng Kung University, Taiwan

**“Direct Flights Across Taiwan Strait and Their Impacts on
Eastern Asian Air Transportation Market”**

CLOSING SESSION:

**3:40pm-4:30pm
Lecture Theatre 8**

Wednesday, June 9, 1999

Technical Tour Visit

**9:00am-12:00noon
Chek Lap Kok Airport**

