

## Dr PETER MORRELL

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### Air Transport Advisor:

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### Qualifications

BA(Honours) Cambridge  
MA(Honours) Cambridge  
MS Massachusetts Institute of Technology  
PhD Cranfield University

### Posts Held

2011 - Consultant and visiting professor at Cranfield University

1991 - 2011 Professor of Air Transport Economics and Finance (from 2008), Reader (from 2004), Senior Lecturer (1991-2004), and Director of Research (from 2002): Department of Air Transport, Cranfield University

1998 - 2002 Head of Air Transport Group

1995 - 1997 Joint Editor, Journal of Air Transport Management

1981 - 1991 Independent Consultant

1978 - 1981 Senior Consultant  
Alistair Tucker Associates, Air Transport Consultants

1977 - 1978 Researcher  
Massachusetts Institute of Technology

1972 - 1977 Economist  
Association of European Airlines

1968 - 1971 Graduate Trainee and Financial Analyst  
Lazard Brothers & Co Ltd

### Consultancy Experience

- Aviation adviser to the government of Georgia (2011)
- Air traffic forecasts for a new airport in Nigeria for Dar Al-Handasah Consultants (2011)
- Air transport related environmental modelling for the OECD, with Professor Morris and team at Cranfield University (2011)
- Study of web-based sales of travel insurance and other ancillary services for Amadeus (2011)
- Study of air traffic liability for South African Airways (2010)
- Project director for a study of the environmental aspects of airline fleet turnover, part of the Omega Project (2008/09 )
- Report on 'UK aviation: carbon reduction futures' for UK Department of Transport, with Manchester Metropolitan University (2008)
- Annual and quarterly analysis of air transport in the EU, for the European Commission DG TREN (2006 - 2008)
- Review of KAIA (Jeddah Airport) Master Plan Project Air Traffic Forecasts for Dar Consultants (2007)
- Air passenger and cargo forecasts for Tunisian airports, for Hochtief AirPort (2006)
- Benchmarking study for Fly.Be airlines (2006)
- Study on the future of air transport in the EU to 2015, for the European Commission DG TREN (2005)
- Review of air traffic forecasts for Dakar International Airport, Senegal, for Dar Al-Handasah Consultants (2005)
- Advice on air traffic and financial forecasts relating to investing in airports for abertisa, Spain (2004)
- An analysis of trends in the Swedish domestic air travel market, for the Swedish Luftfartsverket (Civil Aviation Authority) (2004)
- Member of advisory board to IATA Blue Ribbon Group tasked with developing new interline fare and prorate mechanism (2003/04)
- Analysis of the air freight market in Scotland for Scottish Enterprise and Glasgow Prestwick International Airport (2003)

- Member of bmi british midland working group evaluating future strategic options for the airline (2002)
- Study of competition between airports and the application of state aid rules, for the European Commission's Directorate for Energy and Transport (F) (2001/02)
- A cost study of the Swedish domestic airline market, for Luftfartsverket (Swedish Civil Aviation Authority) (2001/2)
- Study of trends in the airlines market, as part of the project 'Estudio Nuevo aeropuerto de Madrid' for INECO and the Spanish Airports Authority (Aena) (2001)
- Survey and critique of airline expendable spares obsolescence policies for Qantas Airways (2001)
- Air traffic modelling for Menzies Aviation (2001)
- Environmental and health impact of aviation, Final study for European Parliament, Directorate General for Research (STOA), Luxembourg (2001)
- Air passenger and cargo forecasts for Bristol, East Midlands and Bournemouth airports, for Copenhagen Airports A/S (2000)
- An assessment of the impact of British Midland Star Alliance membership on UK consumers, for British Midland Airways (2000)
- Benchmarking international airport charges and performance measures and other advice to the Board of Airline Representatives of Australia Inc. (2000)
- A review of NATS' air traffic and service unit forecasts for the UK Civil Aviation Authority (2000)
- Advice on the costs and benefits of remote vs contact stands at London Gatwick Airport, for BAA plc (2000)
- Advice on the economic regulation of privatised airports in Jamaica, for the Jamaica Civil Aviation Authority (1999-2000)
- A study of the likely impact of increases in aeronautical charges on low cost carriers, for Luton Borough Council (1999-2000)
- Assessment of airport traffic split between Stockholm Arlanda Airport and a proposed new airport for Stockholm, and work on multiple airport systems, for the Swedish Civil Aviation Authority (1999)
- Study of the impact of global alliances on German and other EU airports, for Hochtief AirPort (1999)

- Studies of air passenger and cargo forecasts, aeronautical charges and advice on the legal and economic regulatory implications of privatising Malaysian airports, for Malaysia Airports Berhad (1999)
- Advice on alternative development options for Barcelona Airport, for the Chamber of Commerce of Catalonia and the Royal Automobile Club of Catalonia (1999)
- Study of the impact of environmental measures, charges and taxes on IACA member airlines, for International Air Carrier Association (1999)
- Study on airport management and ownership structures, and economic impact of development of Barcelona Airport, for Barcelona Regional (1998)
- Route evaluation study for British Midland Airways (1998)
- Review of air traffic forecasts and financial projections for business plan submitted as part of bid for shares in Berlin Brandenburg Airports, for consortium of Hochtief AirPort, ABB, Siemens and Frankfurt Airport (1998)
- Review of air traffic forecasts and aeronautical charges assumptions for London Luton Airport, for Copenhagen Airport and Peel Holdings (1998)
- Advice to THI Consultants relating to Taipei International Airport Structural Adjustment study (1997-98)
- Study of the implications for Cyprus Airways and the Cyprus economy of Cyprus joining the EU air transport liberalisation package, and advice on such negotiations with the European Commission, for the Cyprus government (1997-98)
- British Airways Performance Reward Scheme appraisal for British Midland Airways (1997)
- Comparing the Norwegian airport system with other European airport systems, for Luftfartsverket, Norway (1997)
- Study of user costs at selection of worldwide international airports for the Association of European Airlines (1997)
- Review of air traffic forecasts for Hanover Airport, for Union Bank of Switzerland (1997)
- Argentinean airport tariffs study and other advice relating to the privatisation of Argentina's airports with Union Bank of Switzerland, for Argentine Government (1996/97)
- Study of airport development economics and the impact of the loss of duty and tax concessions for the European Travel Research Foundation (1996/97)

- Member of advisory team to the senior management of LOT Polish Airlines (1996)
- Air traffic forecasts for Warsaw International Airport Master Plan, with British Aerospace Consultancy Services (1996)
- Expert witness on airport economics and planning to House of Commons Transport Select Committee (1996)
- Aircraft Industry and the Potential for Emission Reductions, a report forming part of a study for the Department of the Environment on Allocation of Emissions from International Bunker Fuels under UN Framework Convention on Climate Change, by ERM (1996)
- Director of a study on the impact and effectiveness of internal market integration in the air transport sector, for the European Commission, DGXV (1995/96)
- Director of a study on competition and finance of European airports, for the European Commission, DGVII (1995/96)
- Provision of airport data and financial ratios for 30 European airports, for NatWest Markets Corporate Finance Ltd (1996)
- Air passenger and cargo forecasts and financial evaluation for Brunei International Airport Master Plan, with Airways Engineering (1995/96)
- Air passenger and cargo forecasts and financial evaluation for World Bank Argentine Airport privatisation study, with Airways Engineering (1994/95)
- Strengthening of the Competitiveness of Cyprus Airports, a study for the Cyprus Government, with the Cyprus Development Bank (1994/95)
- Air passenger and cargo forecasts and financial evaluation for Ho Chi Minh City Airport feasibility study for Dar Al Handasah Consultants (1994)
- Data analysis, air cargo forecast validation and financial evaluation for British Airways Cargo Centre Project, with Jolyon Drury Associates (1994/95)
- A policy oriented analysis of international air transport for the OECD (1994)
- An analysis of airport systems, and air traffic forecasting work for Manchester Airport PLC, in relation to their planning application for a second runway (1992-94)
- Air passenger and cargo forecasts and financial evaluation for Beirut International Airport feasibility study for Dar Al Handasah Consultants (1993-94)
- A study on the methodology for the assessment of airport capacity, for the European Commission's Transport Directorate, with Scott Wilson Kirkpatrick (1993)

- Passenger and cargo forecasts, financial and economic evaluation for Wallblake Airport (Anguilla) study, for UK Overseas Development Administration, with Scott Wilson Kirkpatrick (1993)
- Visiting lecturer on airline economics at Ecole Nationale de l'Aviation Civile, Toulouse (1992)
- A review of a business plan and advice to an Irish scheduled start-up airline (1992)
- Forecasts of air passengers and cargo and economic evaluation for Ulaanbaatar Airport (Mongolia) feasibility study, with AAROTEC/Airways Engineering, financed by Asian Development Bank (1992)
- A review of a business plan for a UK scheduled start-up airline, for an international aircraft leasing company (1992)
- Analysis of Factors Relevant to the Classification of Airports in the Community, for the European Commission (1991/92)
- Airport and Infrastructure Investment Needs in the Lagging Regions, 1994-2000, for European Commission (1991)
- Passenger and cargo forecasts and economic evaluation for a Civil Aviation Master Plan for Tanzania's Department of Civil Aviation, financed by ICAO, with Sir Frederick Snow (1991)
- Adviser to Zimbabwe Civil Aviation Department assigned to Air Zimbabwe for preparation of Corporate Plan, with LanXang International, financed by Swedish Aid Programme (1991)
- ICAO Adviser and lecturer on Airport Project Appraisal for Brazilian Instituto de Aviação Civil, part of the Directorate of Civil Aviation (1990)
- For British Aerospace Consultants, hub traffic forecasts for the development of Liverpool Airport, with Alan Stratford & Associates (1990)
- For the Municipality, review of the long-term development of Kuwait International Airport as part of the Kuwait Master Plan Third Review undertaken by W S Atkins Overseas, SSH and Shankland Cox (1990)
- For the Asian Development Bank, review of financial and economic aspects of the Kathmandu Airport project, and an assessment of the capability of the present management of the airport (1990)
- For the Malagasy Democratic Republic, air traffic forecaster and economist on a UNDP financed study relating to public transport infrastructure for tourism development, with Scott Wilson Kirkpatrick (1990)

- For BEDAT, an evaluation of airlines for a National Transport Study, focusing primarily on the existing operations and future needs of the national airline, Air Algerie, with Dar Al-Handasah Consultants, financed by the World Bank (1989/90)
- Work on the Scottish CBI's response to the government review of Scottish Lowlands Airport Policy, with the Fraser of Allander Institute at the University of Strathclyde (1990)
- For the Commission of European Communities, a study on air transport in the southern regions of the community including the potential for new direct air services, with the Transport Studies Group of the Central London Polytechnic and Cranfield's Air Transport Group (1989-91)
- For NPBA, a consortium of county and local councils working for a National Policy for Britain's Airports, an air traffic demand study, with TM Economics (1989)
- For Qantas Airways, a study of cargo data requirements, and advice on cost allocation by route and product, with InterMatrix (1989)
- For Kerry County Airport, traffic forecasting and financial/economic evaluation, as part of a Master Plan, with Malachy Walsh and Sir Frederick Snow International (1989)
- For the Guinea-Bissau government, a study on the future of the national airline, TAGB, involving market and financial evaluation, with Louis Berger International, financed by the World Bank (1989)
- For Royal Nepal Airlines Corporation, a long-term fleet and route plan to the year 2000, involving interlinked computerised models of all routes/markets, capacity, revenues and costs and financial flows (1989)
- For Manchester Airport, advice on European Community Air Transport liberalisation, with RPT Economic Studies Group (1988)
- For the Tourism Council of the South Pacific, an Air Transport/Tourism linkages study funded by the EEC, with Hoff and Overgaard A/S (1988)
- Member of Asian Development Bank Mission responsible for financial and economic appraisal of Kathmandu Airport facilities (1985 and 1988)
- For Air BVI in the British Virgin Islands, economic appraisal of current operations, operating cost analysis, and evaluation of future capital needs (1988)
- For the GCC States, an analysis of air passenger and cargo operations, airlines and airports in member states as part of a Transport Sector Study, with Dar Al-Handasah Consultants and Team International (1988)
- For Sir Frederick Snow (International), work on traffic forecasting and aircraft evaluation for Zanzibar Airport (1987)

- For Air Jamaica, an evaluation of the UK/Jamaica air travel market, and forecasts of Air Jamaica market share and passenger traffic (1987)
- For Equatorial Airlines, studies and advice on marketing, route and product planning and aircraft evaluation (1987)
- For a major Pacific rim scheduled flag carrier, an assessment of the strategic options for the development of air cargo and an evaluation of airport cargo handling, with InterMatrix and the Jolyon Drury Consultancy (1987)
- Project Manager for a Port Moresby Airport Master Plan for the PNG Department of Civil Aviation, with RPT Economic Studies Group and Sir Frederick Snow, financed by UK ODA (1986)
- For the Government of St. Vincent, a feasibility study for an airfield on the island of Bequia with Pannell Kerr Forster Associates and Wallace Evans & Partners, financed by the Commission of the European Communities (1986)
- For the Yemen Central Planning Organisation, the appraisal of airline and airport investments for a national transport plan, with RPT Economic Studies Group (1986)
- For the Thai Department of Aviation, review and financial and economic evaluation of two consultant studies on Bangkok Airport for ICAO/UNDP (1984/85)
- For the African Development Bank, a post-evaluation of Douala Airport, with Maxwell Stamp Associates (1984)
- For the Government of Ethiopia, a domestic air transport system study involving appraisal of investments in both aircraft and airfields, sponsored by ICAO (1983)

### **Publications:**

‘Current challenges in a ‘distressed’ industry’, *Journal of Air Transport Management*, 17(1), 2011

‘Profiting from cargo’, *AirFinance Journal*, September 2010

‘Merger Startaegy: after the honeymoon’, with Max Maruna, *Airline Business*, August 2010

‘The economics of CO<sub>2</sub> emissions trading for aviation’. Discussion paper 2009-29 for 18<sup>th</sup> International Transport Research Symposium, OECD, Madrid, November 2009

‘The potential impacts of the EU/US Open Sky Agreement: What will happen at Heathrow after spring 2008.’ with Barry Humphreys in *Journal of Air Transport Management*, 15(2), 2009, 72-77



‘The potential for European aviation CO<sub>2</sub> emissions reduction through the use of larger jet aircraft’, *Journal of Air Transport Management*, 15(3) 2009,151-157

‘Can long-haul low-cost airlines be successful?’, *Research in Transportation Economics*, 24(1) 2009, 61-67

‘Air transport liberalisation and traffic growth in tourism-dependent economies: A case-history of some US-Caribbean markets’, with David Warnock-Smith, *Journal of Air Transport Management*, 14(2) 2008,82-91

‘Allocating emissions permits to European airlines’. Science for Environment Policy: Special Issue *Air quality and emissions trading*. European Commission, DG Environment, May 2008

‘An evaluation of possible EU air transport emissions trading scheme allocation methods’, *Energy Policy*, 35(11) 2007, 5261-5964

‘The environmental implications of hub-hub versus hub bypass flight networks’, paper with Cherie Lu, *Transportation Research D* 12, 2007, 143-157

‘Determination and applications of environmental costs at different sized airports: aircraft noise and engine emissions’, with C. Lu, *Transportation* 33(1), 2006

‘Airline economics in long-haul markets: hub, multi-hub or point-to-point?’ paper to Airneth Workshop in the Hague, published on their website ([www.airneth.nl/](http://www.airneth.nl/)), 15 November 2005

‘Airlines within airlines: an analysis of US network airline responses to Low Cost Carriers’, *Journal of Air Transport Management*, 11(5), 2005, 303-312

‘Recent trends in airline financial results’, Airports International website ([www.airport-int.com](http://www.airport-int.com)), January 2005

‘Theory and practice in aircraft financial evaluation’, paper with William Gibson in *Journal of Air Transport Management*, 10(6), 2004, 427-433

‘Weltweit massiver gegenwind für die airlines’, *Tages-Anzeiger*, Zurich, 19 October 2004

‘The finance practice of the US and European airlines’, *China Civil Aviation*, CAAC, Vol.41 May 2004

‘In my opinion ...’. Critical review of Swissair case study in *European Business Forum* 17, Spring 2004

‘Low profit Europe’. In *Financing the next 100 years of flight*, special edition of AirFinance Journal, September 2003

‘An evaluation of airline beta values and their application in calculating the cost of equity capital’, paper with Sheelah Turner in *Journal of Air Transport Management*, 9(4), 2003

‘Study on competition between airports and the application of state aid rules’, Final Report for European Commission, Directorate-General Energy and Transport, Directorate F – Air Transport, Director of study team which also included SKM Europe, INECO (Spain), Gruppo CLAS (Italy) and Denton Wilde Sapte (UK) (2002)

‘The social impact on civil aviation of events subsequent to 11 September 2001’, briefing paper with Dr Fariba Alamdari for discussion at the *Think Tank on the Impact of the 11 September Events for Civil Aviation, 29-30 October 2001*, International Labour Office, Geneva

‘The end of history for Sabena’, *The Wall Street Journal Europe*, November 8, 2001

‘Capital productivity and the role of capital intensity in airline labour productivity’, accepted for publication in the *Handbook of Airline Economics*, 2<sup>nd</sup> Edition, ed. Darryl Jenkins, McGraw Hill, 2001

‘Environmental and health impact of aviation’, Final study for *European Parliament*, Directorate General for Research (STOA), published on European Parliament web site, Luxembourg, March 2001

‘Do the skies have a limit: the chances of Airbus’ super-jumbo in an unpredictable market’, *Science & Public Affairs*, February 2001

The evaluation and implications of environmental charges on commercial flights, paper with Cherie H-Y Lu, *Transport Reviews*, Vol.21 No.3, 2001, pp 377-396

‘Aircraft noise social cost and charge mechanism: a case study of Amsterdam Schiphol Airport’, paper with Cherie H-y Lu, *Transportation Research, Part D*, 5(4), April 2000

‘Ahead of the game’, in *Strategy: costs and productivity*, with Cherie H-y Lu, *Airline Business*, February 2000

‘Air transport environmental measures: the economic perspective’, in *Aviation versus Environment*, Proceedings of 2nd Hamburg Aviation Conference, eds. Immelmann, Mayer, Niemeier and Pfähler, Peter Lang, Frankfurt, 2000

The role of capital productivity in British Airways’ financial recovery, *Journal of Transportation World Wide*, Vol. 4 No. 2, 1999

KLM and Northwest: a survey of the impact of a passenger alliance on cargo service characteristics, with Ricardo Pilon in *Journal of Air Transport Management*, 5, 1999

Current environmental management measures in air transport, with Cherie H-y Lu in *Aerogram*, Vol.9 No.3, June 1999

Air transport liberalization in Europe: the progress so far, *Journal of Transportation World Wide*, Vol.3 No.1, 1998

Airline sales and distribution channels: the impact of new technology, *Tourism Economics*, Vol.3 No.1, March 1998

User costs at airports in Europe, SE Asia and the USA, Air Transport Group, Cranfield College of Aeronautics, Study Report 6, January 1998

Airline franchising: brand extension or outsourcing high-cost routes?, with Dr Fariba Alamdari in *Handbook of Airline Marketing*, eds Butler & Keller, McGraw Hill, 1998

Airline Finance; Avebury Aviation, 1997, re-printed 1998

Airline labour cost reduction: post-liberalisation experience in the US and Europe, with Dr F. Alamdari in the *Journal of Air Transport Management*, Vol.3 No.2, April 1997

Impact on Services - Air transport, The Single Market Review, Kogan Page on behalf of the European Commission, 1997

Airline alliances: a catalyst for regulatory change in key markets? Editorial, *Journal of Air Transport Management*, Vol.3, No.1, 1997

UK Air Transport Policy, 1945-1995, included in Department of Transport *Transport policy distance learning manual*, with Dr Fariba Alamdari, May 1996

Marketing Europe's Regional Airports, *Travel and Tourism Analyst*, Economist Publications, No. 5, 1990.

Airline Marketing: Agreements and Alliances, *Avmark Aviation Economist*, September 1988

Forecasts for Air Travel in Europe to 1990, *Travel and Tourism Analyst*, Economist Publications, March 1986.

The South Pacific: a matter of survival. Special air transport edition of *The Courier*, European Commission, Brussels, No. 67, May/June 1981.

Airline productivity re-defined: an analysis of US and European carriers, *Transportation*, 8/1979, Elsevier, Amsterdam.

Recent Developments in African Air Transport, *The Courier*, European Commission, No. 32, Brussels, June/July 1975.

### **Conferences/Presentations:**

'Competition and emissions trading for aviation', 25<sup>th</sup> Annual Geneva Aircraft Finance and Commercial Aviation Forum, 21 February 2011

'Environmental trade-offs in long-term fleet planning decisions', 14<sup>th</sup> ATRS World Aviation Conference in Porto, May 2010

'The scope for improvement in environmental performance', The Aviation Debate: can the growth continue?, Waterfront Conferences, London, 25 February 2009

'Labour cost challenges facing the airline industry', *IATA Executive Financial Summit*, Paris, 11-12 September 2007

'The potential for European aviation CO<sub>2</sub> emissions reduction through the use of larger jet aircraft', 11<sup>th</sup> ATRS World Aviation Conference in Oakland, California, June 2007

'Defining the impact of the aviation industry on the environment and society', paper presented to *Sustainable Aviation Conference 2007*, Brussels, 30 January 2007

'The environmental implications of hub-hub versus hub bypass flight networks', paper with Cherie Lu to 10<sup>th</sup> ATRS World Aviation Conference in Nagoya, May 2006

‘An evaluation of possible EU air transport emissions trading scheme allocation methods’, 10<sup>th</sup> ATRS World Aviation Conference in Nagoya, May 2006

‘Two billion customers in 2006’, keynote address to SITA seminar on Transforming the airline business, Bangkok, 14 July 2006

‘The future shape of the air transport industry’, keynote address to the 2006 Conference of the World Airline Entertainment Association, Brighton, 7 June 2006

‘Aviation fuel price risk’ paper to Aviation 2006, Amsterdam, 19 January 2006

‘The new economics of Europe’s regional airports’, paper to Global Airport Development Conference, Paris, 18 November 2005

‘The changing fortunes of regional airports: the UK experience’, paper to Regional Airports Conference, Gerona, Spain, 6 October 2005

‘Network carrier cost reduction’, paper to meeting of Asia Pacific Airlines Association Economics Committee, Hong Kong, 8 September 2005

‘Can the low cost airlines revolutionise long-haul travel?’, presentation to the Sydney branch of the Royal Aeronautical Society, 24 August 2005

‘Air cargo liberalisation: the catalyst for change?’, paper to ITF Civil Aviation Section, 18 July 2005

Airline finance and aircraft financial evaluation: evidence from the field’, paper with William Gibson to ATRS World Aviation Conference in Rio de Janeiro, July 2005

‘The Future of Aviation within Europe: the next 10 years’, paper to TransFin Global Conference, Juan les Pins, 9 June 2005

‘Forecasting trends in travel and tourism for the next decade’, paper to Aviation Forecasting Conference, Vienna, 8-9 February 2005

‘What is to be gained from a limited EU/US agreement?’, keynote presentation to European Civil Aviation 2005 Conference, Amsterdam, 21 January 2005

‘The Needs of Low Cost Carriers and their Impact on Airport Investment’, paper to Global Airport Development Conference, Prague, 25 November 2004

‘The potential for low cost airlines in Asia’, presentation to marketing and sales conference of Vietnam Airlines, Hanoi, 28 June 2004

‘The latest air passenger forecasts: the implications for airports’, paper to TransFin Global Conference, Barcelona, 9 June 2004

‘Airport competition or network access’, paper to the German Aviation Research Society seminar, Leipzig, 11 November 2003

‘Aviation environmental costs and benefits’, paper to third THENA workshop *Green European airports: a balanced approach*, Brussels, 29 April 2003

‘The future of the network carrier’, paper to Embry-Riddle Aeronautical University MBA Colloquium, Daytona Beach, USA, 26 March 2003

‘Airline business models’, paper to 3<sup>rd</sup> Annual Managing Aircraft Maintenance Costs Conference, Brussels, 22-23 January 2003

‘Airport privatisation in Europe: slow progress?’, paper to International Conference on the Development of air and space science in the 21<sup>st</sup> century, Seoul, 1 November 2002

‘An evaluation of airline cost of equity capital and its determination using beta values’. Paper with Sheelah Turner to 6<sup>th</sup> *ATRS World Conference*, Seattle, 14-16 July 2002

‘The role of e-commerce in a new security environment’, paper to *5th Hamburg Aviation Conference*, Hamburg, 13-15 February 2002

‘Cranfield vocational training programmes in air transport management’, *1<sup>st</sup> Aviation Management Education and Research Conference*, Concordia University, Montreal, 16-17 July 2001

‘Evaluating environmental related charge mechanisms and the subsequent social welfare impacts’, paper with Cherie H-Y Lu to 9<sup>th</sup> *World Conference on Transport Research (WCTR)*, Seoul, Korea, 22-27 July 2001

‘The impact of air transport trends on airports’, paper to the 2<sup>nd</sup> *Annual Airport Finance and Development Conference*, Euromoney Seminars, London, 7 June 2001

‘Airport performance benchmarking’, paper to a conference on *European airports regulation and growth*, Rome, University of Rome ‘Tor Vergata’, 2-3 April 2001

‘Aviation education at Cranfield’, presentation to *Aviation Conference 2000*, Hong Kong, 18-19 September 2000

‘Future challenges and current perceptions’, presentation to *Airport Privatisation Conference*, British Council, Zurich, 14 September 2000

‘Aviation demand and future traffic growth’, presentation to ICE Conference on *UK Air Transport Policy in the Context of Europe*, London, 1 June 2000

‘Impact of global airline alliances on airports’, paper to *3rd Hamburg Aviation Conference*, Hamburg, 10-11 February 2000

‘Public versus private: is there a better way?’ presentation to Airport Regions Conference on *Local and regional governments and airport privatisation*, Barcelona, 4th February 2000

‘Social costs of aircraft noise and engine emissions - a case study of Amsterdam Schiphol Airport’, paper with Cherie H-y Lu accepted for Transportation Research Board Conference, Washington, DC, 9-13 January 2000

‘Noise social cost and commercial flight charge mechanism: a case study of Amsterdam Schiphol Airport’, paper with Cherie H-y Lu to the 3rd ATRG Conference in Hong Kong, 7-8 June 1999

‘Airline benchmarking: the best use of comparative indicators’, paper to *Latin Aviation ‘99*, IIR, Buenos Aires, 20-21 April 1999

‘The European low cost carrier as a subsidiary of a major airline’, paper to *5th ISTAT Euroconference*, Saint Paul de Vence, 28-29 September 1998

‘European charging policy and experience: the key to successful airport development’, paper to *Latin Air ‘98 - Opportunities for investment in Latin American airports*, IIR, Buenos Aires, 10-11 August 1998

‘The role of capital productivity in British Airways’ financial recovery’, paper to *ATRG Symposium* in Dublin, 20-21 July 1998

‘Exploiting opportunities for development created by flourishing regional airports and airlines’, paper to AIC Conference on *European Regional Airports and Alliances*, London, 27-28th November 1997

‘Overview of new entrant airlines in post-deregulation Europe’, paper to Commercial Aviation Report Conference on *Used Aircraft in Deregulated Europe*, London, 25-26th September 1997

‘Air transport liberalisation in Europe: the progress so far’, paper to *ATRG Conference in Vancouver*, 27th June 1997

‘Understanding, creating, and supplying demand’, paper to Chartered Institute of Transport Conference on *Opening Opportunities for Growth and Development in Regional Airports*, London, 29th April 1997