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Abbreviated Curriculum Vitae

DAVID GILLEN

Office Addresses

At UBC:

Sauder School of Business
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At Delta Economics Group Inc.:

Airport Square - Suite 930
1200 West 73rd Avenue
Vancouver, B.C. Canada V6P 6G5
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Education

University of Toronto: PH.D. (Economics), 1975

Present Positions

YVR Professor of Transportation, Sauder School of Business, University of British Columbia

Senior Consultant, Delta Economics Group Inc., Vancouver, B.C

Director Centre for Transportation Studies, University of British Columbia

Member, Greater Vancouver Gateway Council

Reason Foundation, Los Angeles Advisory Board to Mobility Project to the Transportation Community

Previous Positions

ACADEMIC AND OTHER RELEVANT APPOINTMENTS:

<u>From</u>	<u>To</u>	<u>Employer</u>	<u>Position Academic</u>
1993	2004	Wilfrid Laurier University	Professor of Economics & Research Economist Institute of Transportation Studies
1991	2000	University of California-Berkeley	Adjunct Professor of Civil Engineering and Research Economist Institute of Transportation Studies
1988	1991	Wilfrid Laurier University	Professor
1980	1988	Wilfrid Laurier University	Associate Professor
1977	1980	University of Alberta	Associate Professor
1974	1977	University of Alberta	Assistant Professor
Other			
1990	1992	Royal Commission on National Passenger Transportation	Senior Research Advisor
1988	1989	University of California	Visiting Scholar
1986	(Spring)	University of British Columbia	Visiting Professor

Other Professional Experience & Honours

Associate Editor Transportation Research E: Logistics & Transportation Review

Editorial Board: Journal of Transport Economics & Policy

Appointments

YVR Chair in Transportation Policy, Sauder School, UBC

Director Centre for Transportation Studies, University of British Columbia

Member, Greater Vancouver Gateway Council

Reason Foundation, Los Angeles Advisory Board to Mobility Project to the Transportation Community

Professional Affiliations

American Economics Association
German Aviation Research Society
Air Transportation Research Society

Research and Consulting

Major Research and Consulting Areas:

1. Transportation Policy and Planning
2. Competition Policy
3. Regulatory Policy

Consulting Experience: Clients, Industries, Types of Cases and Major Issues

Advice provided to a number of public and private sector clients with respect to competition and regulatory matters in the following industries (among others): airlines, airports, air cargo, air courier, retail pharmacy, office supplies and telecommunication.

Director of Investigation and Research v. PANS Case 1992. Expert for the Director

Director of Investigation and Research v. Xerox Corporation Canada (Competition Tribunal), 1990. Expert witness for Director.

Director of Investigation and Research and BMG (Music Clubs) 1997. Expert for the Director.

Director of Investigation and Research and Air Canada/Westjet (Codesharing Proposal) 1999. Expert for the Director.

Director of Investigation and Research and Domtar/Rolland Fine Papers Case 1993 Expert for the Director (Refusal to Supply)

Expert for Person International Airport in Tax Dispute with City of Mississauga (1999)

Expert for Air Canada regarding temporary suspension of articles of Canadian Transportation Act 2000

Expert for Air Canada Pilots Association in merger seniority dispute with former Canadian Airlines Pilot Association and CALPA (2002)

Expert for Morningstar Cargo Airlines in Arbitration regarding pilot wages (2002)

Expert to New Zealand Commerce Commission in Proposed Strategic Alliance between Air New Zealand and Qantas (2002-2004)

Types of cases have included: mergers, abuse of dominance, predatory pricing, price-fixing, And refusal to deal. Specific important issues on which advice provided have included: barriers to entry, interdependence effects of mergers, market definition, competition in local telecommunications markets, possible anticompetitive effects of strategic alliances, anticompetitive effects of refusals to deal and anticompetitive effects of refusals to supply.

Expert Testimony Provided / Government Committee Appearances:

Qualified as an expert witness in the analysis of industry structure and market competition in Retail Pharmacy Industry.

Expert witness on behalf of the Director of Investigations and Research before the Combines Tribunal in the matter of Xerox Corp. refusal to deal.

Expert witness in civil suit, expert testimony on the matter of the International Airline Industry

Expert witness in labour arbitration in air cargo industry in Canada

Expert witness before the New Zealand Commerce Commission

Canadian Radio-television and Telecommunications Commission, September 28, 2005.

Appeared as an expert witness for the Canadian Cable Telecommunications Association at hearings on forbearance in local telecommunications.

Selected Papers/Reports:

Gillen, David and William Morrison (2005), The Economics of Franchise Contracts and Airport Policy *Journal of Air Transport Management*, Vol 11, No 1, pp 43-48

Gillen, David and William Morrison, Airline Strategies, Competition and Network Evolution: How Important are Slots?, Vol 11, No. 1, *Journal of Air Transport Management*

Atkins, F., Cooper, D., Gillen, D. "Measuring the Impact of Changes in Graduated Licensing Laws: The Case of California", *Accident Analysis and Prevention*, 2005.

David Gillen, Ashish Lall, Some Competitive Advantages for Low Cost Airlines: Implications for Airports, *Journal of Air Transport Management*, Vol. 10, No. 1, pp. 41-50, 2003

Gillen, D., Morrison, W. "Bundling, Integration and the Delivered Price of Air Travel: Are Low Cost Carriers Full Service Competitors?" *Journal of Air Transport Management*, Vol. 9, No. 1 pp 15-23, 2002.

Gillen, D., Lall, A. "International Transmission of Shocks in the Airline Industry," *Journal of Air Transport Management*, Vol. 9, No. 1, pp 37-49, 2003.

Gillen, D., R. Harris, and T. Oum, "Measuring the Economic Effects of Bilateral Liberalization on Air Transport," *Transportation Research*, Vol. 28E, No. 3-4, May 2002.

Gillen, D., and A. Lall, "The Economics of the Internet, the New Economy and Opportunities for Airports," *Journal of Air Transport Management*, Vol. 8, No. 1, pp. 49-63, January 2002.

Gillen, D., and A. Lall, "Non-Parametric Measures of Efficiency of US Airports," *International Journal of Transport Economics*, Vol. 28, No. 3, pp. 283-306, 2001.

Gillen, D., "Productivity Benefits and Cost Efficiencies from ITS Applications to Public Transit: Evaluation of AVL," *Journal of Transportation Research Board*, No. 1774, pp. 78-92, 2001.

Gillen, D., "Assessing the Economic Benefits from the Implementation of New Pavement Construction Methods," *Journal of Transportation Research Board*, No. 1747, pp. 71-78, 2001.

Gillen, D., "Measuring Aggregate Productivity Benefits from ITS Applications: The California Experience," *Journal of Transportation Research Board*, No. 1747, pp. 89-96, 2001.

Gillen, D., "Measuring the Economic Impact of Liberalization of International Aviation on Hamburg Airport," *Journal of Air Transport Management*, Vol. 7, pp. 25-35, 2001.

Gillen, D., "Pavement and Bridge Cost Allocation Analysis of the Ontario Intercity Highway Network," *Journal of the Transportation Research Record*, No. 1732, *Transportation Finance, Pricing and Economics*, pp. 99-109, February, 2000.

Gillen, D. and J.-F. Wen, "Taxing Hydro-Power in Ontario," *Canadian Public Policy*, March 2000.

Gillen, D., D. Levinson, and A. Kanafani, "The Social Costs of Intercity Transportation: A Review and Comparison of Air and Highway," *Transport Reviews*, Vol. 18, pp. 215-240, 1998.

Gillen, D., D. Levinson, "The Full Cost of Intercity Highway Transportation," Transport Research D, 1998.

Gillen, D., D. Levinson, M. Mathieu, and A. Kanafani, "The Full Costs of High Speed Rail," Annals of Regional Science, 1997.

Gillen, D., R. Cline, T. Ruhl, and G. Gosling, "Air Transportation Demand Forecasts in Emerging Market Economies," Journal of Air Transport Management, 1997.

Gillen, D., and A. Lall, "Airport Performance Measurement: Data Envelopment Analysis and Frontier Production Functions," Transportation Research E, 1997.

Noori, H., and D. Gillen, "A Performance Measuring Matrix for Capturing the Impact of Advanced Manufacturing Technologies," International Journal of Production Management, Vol. 33, pp. 2037-2048, 1996.

Gillen, D., "Transportation Infrastructure Investment and Economic Development," Logistics and Transportation Review, Vol. 32, pp. 38-63, 1996.

"A Performance Measuring Matrix for Capturing the Impact of Advanced Manufacturing Technologies" International Journal of Production Management, Vol. 33, No. 7 (1995) pp. 2037-2048 (with Hamid Noori)

"A Socio-economic Assessment of Complaints about Aircraft Noise" Transportation Planning and Technology, 1994, Vol. 18, pp.45-55 (with T.J. Levesque)

"Assessing the Alternatives to Liberalize the Canada-U.S. Air Transport Bilateral", Journal of the Transportation Research Forum , Vol. 31, 2, (1990) pp. 326-336 (with Mark Hansen and Robson Ramos)

"Privatization of Air Canada; Why it is Necessary in a Deregulated Environment" Canadian Public Policy, Vol. XV, No.3, September 1989, pp. 285-299

"The Cost Structure of the Canadian Airline Industry", Vol. 24, No. 1 Journal of Transport Economics and Policy, (January, 1990) 9-34

"Airport Pricing Principles: An Application to Canadian Airports", Journal of the Transportation Research Forum, 1988

"Duopoly in Canada's Airline Industry: Consequences and Policy Issues", Canadian Public Policy, Vol. 14 (1), March, 1988, 15-31

"Entry Barriers and Contestable Canadian Airline Markets", *International Journal of Transport Economics*, Vol.15, No. 1 (February, 1988), 29-41

"Demands for Fareclasses and Pricing in Airline Markets" *Logistics and Transportation Review*, Vol. 23, (1986) (with T. Oum)

"Renewable and Non-Renewable Resource Demand in Canadian Manufacturing Industries" *Resources and Energy*, (1983) Vol. 7, 217-239. (with McMillan and Taher)

"Economic Value of Salmon Angling: Estimates of willingness to pay from Hedonic Price Function's" *Canadian Journal of Regional Science*, Vol. 12, Fall, 1984, 181-195. (with R. McGaw)

"A Study of the Cost Structure of the Canadian Inter-city Motor Coach Industry" *Canadian Journal of Economics*, Vol. 17, No. 3, May 1984, pp. 368-397. (with T. Oum)

"The Structure of Inter-City Travel Demands in Canada: Theory, Tests and Empirical Results" *Transportation Research*, (1981)17, No. 3, 175-191. (with T. Oum)

"An Extension of the Hedonic Approach for Estimating the Value of Quiet", *Land Economics*, 56, 3, 1980, 315-28. (with M. McMillan and B. Reid)

"Bill C-20: An Evaluation from the Perspective of Current Transportation Policy and Regulatory Performance", *Canadian Public Policy*, Winter, 1980, pp. 47-63. (with Chambers et al.)

"Assumed vs. Estimated Functional Form in Disaggregate Mode Choice Models", *Regional Science and Urban Economics*, (1980) vol. 9, 185-197

"Parking Location and Transit Demand: The Case of Endogenous Attributes in Disaggregate Mode Choice Models", (with R. B. Westin), *Journal of Econometrics*, No. 8 (1978), 75-101.

"Alternative Policy Variables to Influence Urban Transport Demands", *Canadian Journal of Economics*, (November 1977), pp. 686-695

"Rate Making Principles, Rate Discrimination and the West", (with M. R. Jones), *Logistics and Transportation Review*, Vol. 14, no. 1 (1977), 51-67

"Estimating the Value of Time: An Additional Misspecification Error", *Transportation*, No. 6 (1977), 85-89

"Parking Policy, Parking Location Decisions and the Distribution of Congestion", *Transportation*, No. 7 (1978), 69-85.

"Estimation and Specification of the Effects of Parking Prices on Urban Transport Mode Choice", *Journal of Urban Economics*, No. 4 (1977), 186-199.

"Parking Policies and Mode Choice", *Transportation Research Record*, No. 637 (1978), 46-51

Articles in Refereed Proceedings

Gillen, D., "The Economics of Noise", Ken Button and David Hensher (Eds), *Handbook of Transportation Economics and the Environment*, Elsevier, Amsterdam Netherlands 2005

Gillen, D., Garrison, W. "On Process Generating Impacts from Transportation Improvements: The Impacts of Air Transportation on Recreation Tourism" in *Essays in Transportation in Honor of T. Laksmonen* 2005.

Gillen, D. "Regional Impact of Open Skies Policies on Hamburg Airport", in Wilhelm Pfahler (ed), *Regional Input-Output Analysis: Conceptual Issues, Airport Case Studies and Extensions*, Nomos Verlagsgesellschaft, Baden-Baden 2002

Gillen, D. "Public Capital, Productivity and the Linkages to the Economy: Transportation Infrastructure" in *Public Capital in Canada* (ed) John Richards and H. Vining, (C.D. Howe Institute 2000).

Gillen, D., "Estimation of Revenues from Use Charges, Taxes and Other Sources of Income: Summary Discussion," *Information Requirements for Transportation Economic Analysis, Conference Proceedings 21*, Transportation Research Board, National Research Council, Washington, DC, pp. 128-150, 2000.

Gillen, D., "Estimation of Revenues from Use Charges, Taxes and Other Sources of Income: Summary Discussion," *Information Requirements for Transportation Economic Analysis, Conference Proceedings 21*, Transportation Research Board, National Research Council, Washington, DC, pp. 44-49, 2000.

Gillen, D., "The Market and Aviation Infrastructure: Pricing, Productivity and Privatization," *Transportation Research Circular No. 425, Future Aviation Activities Eighth International Workshop*, Transportation Research Board/National Research Council, pp. 82-87, May 1994.

"Peak Pricing Strategies In Transportation, Utilities And Telecommunications: What Lessons Do They Offer For Roadway Pricing" *TRB Special Report 242, Curbing Gridlock: Peak-Period Fees to Relieve Traffic Congestion*, National Research Council, National Academy of Sciences, Washington, DC (1994) pp. 115-152

"Transportation Infrastructure Policy: Pricing, Investment and Cost Recovery" in *Directions: The Final Report of the Royal Commission on National Passenger Transportation, Volume 3*, pp 503-613 (1993) (with Tae Oum)

"Entry-Barriers and Anti-Competitive Behavior in a Deregulated Canadian Airline Market" Transportation Research Forum Proceedings, (1986), 483-493 (with T. Oum and M. Tretheway)

"A Study of Interfareclass Competition in Airline Markets" Transportation Research Form Proceedings, Vol. 21, (1981), 599-609. (with T. Oum)

"The Airline Cost Structure and Its Regulatory Policy Implications for Canada", Transportation Research Forum Proceedings, 1984, pp.649-652

Books/Monographs

Gillen, D. Predicting Air Quality Effects of Traffic-Flow Improvements: Final Report and Users Guide, Transportation Research Board, NCHRP Report 535, Transportation Research Board Washington DC (2005) ISBN 0309088194 (with R Dowling, R Ireson, A Skaberdonis, P Stopher)

Forsyth, P., Gillen, D. Mayer, O. and HM Niemeier (eds), Competition versus Predation in Aviation Markets, Ashgate Publishers, London 2005

Gillen, D. The Economic Regulation of Airports: Recent Developments in Australia, North America and Europe, Ashgate Publishers, London 2004 [ISBN 0754638162] (with Peter Forsyth, A. Knorr, O. Meyer, HM Niemeier and D. Starkie)

Gillen, D., Measuring the Benefits and Costs of Intelligent Transportation Systems, Kluwer Publishers, 2004. (with David Levinson)

Gillen, D., Special Co-Editor , Proceedings of the Hamburg Aviation Conference 2001, Journal of Air Transport Management, Vol. 8, No. 1, January 2002.

Gillen, D., Canadian Aviation Policy and the Evolution of the Aviation Industry in a Global Environment, Van Horne Institute, University of Calgary (forthcoming).

Gillen, D., Assessing the Impact of Liberalization of International Aviation on Hamburg Airport, Ashgate Publishing Co., Aldershot UK, 2001. Gillen, D., W. Morrison, & Len Henriksson, Pricing, Costing, Financing and Performance in Canada Airport Industry, (Canadian Transport Act Review), Queen's Printer, Ottawa, 2001.

Gillen, D., Proceedings of the Hamburg Aviation Conference, 2000, Special Co-Editor, Journal of Air Transport Management, Vol. 7, No. 1, January, 2001.

Gillen, D., Airport Economics and Performance Measurement, Special Co-Editor of Transportation Research E, January 1998.

Gillen, D., *Competition and Regulation: Implications of Globalization for Malaysia and Thailand*, JDI, Queen's University Press, 1997.

Transportation Infrastructure Investment, Productivity and Economic Growth, Special Editor of *Logistics & Transportation Review* (March, 1996)

Canadian Transportation Policy, John Deutsch Institute for Public Policy, Queen's University, 1991 (editor)

Airport Externalities and Noise Management Strategies in Canada, 1990 Transportation Development Centre, Montreal (with T. Levesque and T. Smith)

The Management of Airport Noise, Transportation Development Centre, 1990 Transport Canada Montreal (with T. Levesque)

Identifying and Measuring the Impact of Government Ownership and Regulation on Airline Performance, Economic Council of Canada, 1986 (with T. Oum and M. Tretheway)

Canadian Broadcasting: Market Structure and Economic Performance Institute for Research on Public Policy, Montreal, 1979 (with S. McFadyen and C. Hoskins)

Airline Cost and Performance: Implications for Public and Industry Policy Vancouver, Centre for Transportation Studies, University of British Columbia, 1986 (with T. Oum and M. Tretheway)

Canadian Airline Deregulation and Privatization: Assessing Effects and Prospects. Vancouver, Centre for Transportation Studies, University of British Columbia, 1985 (with T. Oum and M. Tretheway)

A Methodology for Evaluating Alternative Regional Transportation Mixes, Alberta Ministry of Transportation (with M. McMillan and W. Phillips)

Chapters in Books

David Gillen, Ashish Lall, 2005, *Predation in Aviation: The North-American Divide, Competition versus Predation in Aviation Markets, A Survey of Experience in North-America, Europe and Australia*, Ashgate Publishing (2005)

Gillen, D. *Airport Pricing, Financing and Policy: Report to the National Transportation Act Review Committee* in Gillen, D et al. (eds) *The Economic Regulation of Airports: Recent Developments in Australia, North America and Europe*, Ashgate Publishers, London 2004 [ISBN 0754638162]

Gillen, David, The Evolution of Networks with Changes in Industry Structure and Strategy: Connectivity, Hub-and-Spoke and Alliances (forthcoming in M. Takebayashi (ed) Kobe Symposium on Networks in Air and Sea Transportation)

Gillen, David and David Levinson, Freeway Service Patrols: A State Preference Analysis of Insurance Values, in D. Gillen and D. Levinson, Assessing the Benefits and Costs of ITS: Making the Business Case for ITS Investments, Kluwer Publishers, 2004

Gillen, David and David Levinson, Assessing the Investment in ITS: An Introduction in D. Gillen and D. Levinson, Assessing the Benefits and Costs of ITS: Making the Business Case for ITS Investments, Kluwer Publishers, 2004

Gillen, David, Productivity Benefits and Cost Efficiencies from Its Applications to Public Transit: The Evaluation of Avl, in Economic Impacts of Intelligent Transportation Studies: Cases and Innovations, E. Beciaris and Y.J. Nakanishi (eds) Elsevier 2004 (with D. Johnson and E. Chang)

Gillen, D., "Regional Impact of Open Skies Policies on Hamburg Airport", in Regional Input-Output Analysis: Conceptual Issues, Airport Case Studies and Extensions, Wilhelm Pfahler (Ed.), Nomos Verlagsgesellschaft, Baden-Baden, 2002.

Gillen, D. and W. Garrison, "On Process Generating Impacts from Transportation Improvements: The Impacts of Air Transportation on Recreation Tourism," in Essays in Transportation in Honor of T. Laksmonen, forthcoming.

Gillen, D., "Public Capital, Productivity and the Linkages to the Economy: Transportation Infrastructure," in Public Capital in Canada, John Richards and H. Vining (Ed.), C.D. Howe Institute, 2000.

Gillen, D., R. Harris, and T. Oum, "Evaluating Air Liberalization Agreements: An Integration Of Demand Analysis and Trade Theory" in Taking Stock of Air Liberalization, M. Gaudry & R. Mayes (Eds.), pp. 229-251, Kluwer Publishing, 1998.

Gillen, D., "Deregulation and Privatization: Their Role in Advancing Trade in Services under the WTO" in Competition and Regulation: Implications of Globalization for Malaysia and Thailand, F. Flatters and D. Gillen (Eds.), JDI, Queen's University Press, pp. 75-129, 1997.

Gillen, D., "Efficient Use and Provision of Transportation Infrastructure with Imperfect Pricing: Second Best Rules" in The Full Social Costs and Benefits of Transportation, D. Greene, D.W. Jones and M. Delucchi (Eds.), Springer Verlag, pp. 193-219, 1997.

Gillen, D., "Airports and Seaports in Canada: An Assessment of Privatization of Ownership & Operation" in Essays on Canadian Surface Transportation, F. Palda (Ed.) , Fraser Institute, pp. 1-52, 1994.

Gillen, D., "Alternative Approaches to Urban Transport Pricing and their Linkage to Investment" in Urban Mobility: From Paralysis to Pricing, M. Lee-Gossilan and C. Roux (Eds.), (Centre Jacques Cartier, Lyon, France), pp. 231-243, 1994.

"Airports and Seaports in Canada: An Assessment of Privatization of Ownership & Operation" in F. Palda (ed) Essays on Canadian Surface Transportation, Fraser Institute (1994), pp.1-52

"Alternative Approaches to Urban Transport Pricing and their Linkage to Investment" in M. Lee-Gossilan and Charles Roux (ed), Urban Mobility: From Paralysis to Pricing (Centre Jacques Cartier, Lyon, France) 1994 ISBN 2-950-4957-7-x pp. 231-243

"Free Trade in Airline Services: Assessing the Proposals to Liberalize the Canada-U.S. Bilateral" in Methods for Understanding Travel Behavior in the 1990's, International Conference on Travel Behavior, Quebec City 1991 (with Mark Hansen and Robson Ramos)

"Airport Pricing and Capacity Expansion: Economic Evaluation of Alternatives" Transportation Review Spring 1990 (with T. Oum and M. Tretheway)

"Bill C-3: The New Air Canada Act", Chapter 16, in Reschenthaler, G. B. and B. Roberts (ed.), Perspective in Canadian Airline Regulation, Institute for Research on Public Policy, (1979), 193-199.

Other Publications

"Challenges in Measuring the External Costs of Transport", Proceedings of the Canadian Transportation Research Forum (Saskatoon, University of Saskatoon Printing services) with A. Boardman, W. G. Waters and a. Zhang

Gillen, D., Golaszewski, R. "Air Cargo Strategies for Airports and Communities", Airport World, forthcoming.

Gillen, D., and W.G. Morrison, "Perils in the Process: The Issues Tables Approach that Canada Has Been Using to Set Greenhouse Gas Emissions Reduction Policy Has an Odd Set of Biases," Alternative Journal , March 2000.

"Investing in Infrastructure: Will it really Yield a More Competitive Nation", ITS Review, Vol. 16, No. 3, 1993 (May) 2-4

"A Pricing Paradigm" ITS Review (May 1992), Vol. 15, No. 3, pp. 2-6

"Canadian Airline Strategies Under a U.S.-Canadian Open Skies Policy" Journal of Airline Management, 1988

"Economics of Canadian Broadcasting" Broadcaster Magazine, Vol. 4, No. 6., June 1981.(with S. McFadyen and C. Hoskins)

Teaching

Courses Taught:

Undergraduate

Competition Policy and Regulation
Microeconomic Theory
Urban Economics
Transportation and Aviation Economics
Industrial Organization
Benefit Cost Analysis
Applied Econometrics
Supply Chain and Logistics

Graduate

MA & PhD
Microeconomic Theory
Transportation Economics
Transportation Systems Analysis
Urban Economics
Industrial Organization
Economics of Strategy

MBA

Microeconomic Theory
Economics of Strategy
Aviation Management and Policy