

August 2022

Curriculum Vitae

THOMAS WAYNE ROSS

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Present Positions:

Professor Emeritus, Sauder School of Business, University of British Columbia, since July 2022.

Academic Director, UBC Mastercard Foundation Scholars Program, since 2012.

Member, Scientific Committee, Competition & Regulation European Summer School and Conference (CRESSE), since 2014.

Member, Editorial Board, *International Journal of the Economics of Business*, since 2013.

Member, Editorial Board, *Public Finance and Management*, since 2005.

Education:

University of Western Ontario: Honours B.A. in Economics, May 1977.

University of Pennsylvania: M.A. (Economics), 1979 & Ph.D. (Economics), 1981.

Professional Experience & Honours:

UPS Foundation Professor of Regulation and Competition Policy, Sauder School of Business, July 2000 to June 2022. Full Professor from July 1996 to June 2022.

Director, Phelps Centre for the Study of Government and Business, Sauder School of Business, 1997-2022.

THOMAS WAYNE ROSS

Senior Associate Dean (Special Projects), Sauder School of Business, University of British Columbia, July 2012 to December 2013. Senior Associate Dean (Faculty & Research), July 2008 to June 2012. Associate Dean (Research), July 2007 to July 2008.

Guest Co-Editor, special issue of the *Review of Industrial Organization* on “Competition Policy in Africa”, available online 2022.

Associate Editor, *International Journal of Industrial Organization*, 2013-2022

Director, UBC Summer Conference on Industrial Organization, 1987-2019.

Guest Co-Editor, special issue of the *Review of Industrial Organization*, 2019.

Guest Co-Editor, special issue of the *International Journal of Industrial Organization*, 2018.

Academic Director, Sauder Social Entrepreneurship – Kenya, 2012-2018.

Vice-Chair, Editorial Board, *Canadian Competition Law Review*, 2011-2018.

Co-Editor, *Journal of Economics and Management Strategy*, 2001-2009.

Killam Senior Research Prize (Arts Category), University of British Columbia, 2005.

Industry Canada Distinguished Speaker in Economics, December 2004.

Len Henriksson Award (for engagement with students in academic and extracurricular initiatives beyond teaching obligations), Commerce Undergraduate Society, Sauder School of Business, March 2017.

CGA Graduate Teaching Award, Sauder School of Business, March 2004.

Outstanding Professor Award, from the MBA Class of 2004, presented November 2003.

Faculty Research Prize, Faculty of Commerce and Business Administration, University of British Columbia, 2001.

Visiting Professor of Policy Modelling, Institute for Policy Analysis, University of Toronto, 1998-99.

Founding Co-Director, UBC Election Stock Market Project, 1993-2013. (Now, Sauder School of Business Prediction Markets.)

Chair of Policy Analysis Division, Faculty of Commerce and Business Administration, 1993-96.

THOMAS WAYNE ROSS

Associate Professor, Faculty of Commerce and Business Administration, University of British Columbia, 1992-96.

Member, Board of Editors, *Canadian Journal of Economics*, 1990-93 and 1996-99.

Guest Editor, *Review of Industrial Organization*, special issue, Vol. 13, Nos. 1-2, April 1998.

Associate Professor, Department of Economics, Carleton University, 1987-92. Assistant Professor, 1983-87.

Director - Carleton Industrial Organization Research Unit, 1985-92.

Holder of the T.D. MacDonald Chair in Industrial Economics, Bureau of Competition Policy, Consumer and Corporate Affairs Canada, 1990-1991.

National Research Fellow, Hoover Institution, Stanford University, 1987-88.

Research Fellow and Lecturer, Center for the Study of the Economy and the State, Graduate School of Business, University of Chicago, September 1981 - August 1984.

Publications in Scholarly Journals:

“Proposals for Amending the *Competition Act*”, forthcoming, *Canadian Competition Law Review*.

“Kenyan Competition Policy after Ten Years of the *Competition Act*: A Progress Report”, (with R. Mudida), *Review of Industrial Organization*, Vol. 60, 2022, 431-462.

“A Canadian Perspective on Vertical Mergers and Guidelines” (with R. Winter), *Review of Industrial Organization*, Vol. 59, 2021, 229-253.

“Toward a More Robust Competition Policy Regime for Hong Kong” (with Ping Lin), Vol. 9, *Journal of Antitrust Enforcement*, 2021, 109-134.

“Buffer Joint Ventures” (with Zhiqi Chen), *International Journal of Industrial Organization*, Volume 73, 2020.

“On the Harm from Mergers in Input Markets” (with L. Basso), *Economics Letters*, Vol. 178, 2019, 70-76.

THOMAS WAYNE ROSS

“Long Term Contracts as Barriers to Entry with Differentiated Products” (with S. Gavin), *International Journal of Industrial Organization*, Vol. 59, 2018, 514-537.

“ ‘ Bidding the Project’ vs. ‘Bidding the Envelope’ in Public Sector Infrastructure Procurements”, (with L. Basso), Vol. 64, *Transport Policy*, 2018, 61-75.

“The Rise of Economics in Competition Policy: A Canadian Perspective”, (with M. Boyer and R. Winter), Vol. 50, *Canadian Journal of Economics*, 2017, 1489-1524.

“Estimating Damages to Direct and Indirect Purchasers in Price-Fixing Actions”, (with J. Brander), Vol. 30, *Canadian Competition Law Review*, Spring 2017, 1-39.

“Competitive Effects and Efficiencies: The Canadian Supreme Court’s Decision in *Tervita*”, Vol. 2, *Competition Law & Policy Debate*, 2016, 54-63.

“Denying Leniency to Cartel Instigators: Costs and Benefits” (with Z. Chen and S. Ghosh), Vol. 41, *International Journal of Industrial Organization*, 2015, 19-29.

“Kenya’s New Competition Policy Regime” (with R. Mudida and S. W. Ndiritu), Vol. 38, *World Competition: Law & Economics Review*, 2015, 437-462.

“Efficiency vs. Flexibility in Public-Private Partnerships” (with J. Yan), Vol. 17, *Journal of Comparative Policy Analysis*, 2015, 448-466.

“Mergers, Agency Costs, and Social Welfare”, (with J.-E. de Bettignies), Vol. 30, *Journal of Law, Economics, & Organization*, 2014, 401-436.

“Measuring the True Harm from Price-Fixing to Both Direct and Indirect Purchasers”, (with Leonardo Basso), Vol. 58, *Journal of Industrial Economics*, 2010, 895-927.

“Running a Government’s P3 Program: Special Purpose Agency or Line Departments?” (with Maurice Rachwalski), Vol. 12, *Journal of Comparative Policy Analysis*, 2010, 275-298.

“Credible Retaliatory Entry and Strategic Toe-Holds”, (with Zhiqi Chen), Vol. 57, *Journal of Industrial Economics*, 2009, 343-352.

“Sustaining Cooperation with Joint Ventures”, (with Russell Cooper), Vol. 25, *Journal of Law, Economics and Organization*, 2009, 31-54.

“Moral Hazard and Customer Loyalty Programs”, (with Leonardo Basso and Matthew Clements), Vol. 1, *American Economic Journal – Microeconomics*, 2009, 101-123.

THOMAS WAYNE ROSS

“Public-Private Partnerships and the Privatization of Financing: An Incomplete Contracts Approach”, (with Jean-Etienne de Bettignies), Vol. 27, *International Journal of Industrial Organization*, 2009, 358-368.

“India’s New Competition Law: A Canadian Perspective”, (with Subhadip Ghosh), *Canadian Competition Record*, Spring 2008, 23-40.

“Are Sunk Costs a Barrier to Entry?”, (with Luis Cabral), Vol. 17, *Journal of Economics and Management Strategy*, 2008, 97-112.

“Markets Linked by Rising Marginal Costs: Implications for Multimarket Contact, Recoupment and Retaliatory Entry”, (with Zhiqi Chen), Vol. 31, *Review of Industrial Organization*, 2007, 1-21.

“Estimating Damages from Price-Fixing” (with James Brander), Vol. 3, *Canadian Class Action Review*, 2006, 335-369.

“The Efficiency Defense in Merger Law: Economic Foundations and Recent Canadian Developments”, (with Ralph Winter), Vol. 72, *Antitrust Law Journal*, 2005, 471-503.

“The Economics of Public-Private Partnerships”, (with Jean-Etienne de Bettignies), Vol. 30, *Canadian Public Policy*, 2004, 135-154.

“Canadian Competition Policy: Progress and Prospects”, Vol. 37, *Canadian Journal of Economics*, 2004, 243-268.

“Sunk Costs and the Entry Decision”, Vol. 4, *Journal of Industry Competition & Trade*, 2004, 79-93.

“Protecting Underfunded Pensions: The Role of Guarantee Funds”, (with Russell Cooper), Vol.2, *Journal of Pension Economics and Finance*, 2003, 247-272.

“Canadian Merger Policy Following *Superior Propane*”, (with Ralph Winter), Vol. 21, *Canadian Competition Record*, Summer 2003, 7-23.

“You are Known by the Directors You Keep: Reputable Directors as a Signaling Mechanism for Young Firms” (with Yuval Deutsch), Vol. 49, *Management Science*, 2003, 1003-1017.

“Cooperating Upstream while Competing Downstream: A Theory of Input Joint Ventures”, (with Zhiqi Chen), Vol. 21, *International Journal of Industrial Organization*, 2003, 381-397.

“Bank Runs: Deposit Insurance and Capital Requirements” (with Russell Cooper), Vol. 43, *International Economic Review*, 2002, 55-72.

THOMAS WAYNE ROSS

“Pensions: Theories of Underfunding” (with Russell Cooper), Vol. 8, *Labour Economics*, 2001, 667-689.

“Dealing with Predatory Conduct in the Canadian Airline Industry: A Proposal”, (with W. T. Stanbury), Vol. 20, *Canadian Competition Record*, 2001, 59-76.

“Strategic Alliances, Shared Facilities and Entry Deterrence” (with Zhiqi Chen), Vol. 31, *RAND Journal of Economics*, 2000, 326-344.

“Lessening of Competition in Mergers under the Competition Act: Unilateral and Interdependence Effects” (with Andy Baziliauskas), Vol. 33, *Canadian Business Law Journal*, 2000, 373-426.

“Wishes, Expectations and Actions: A Survey on Price Formation in Election Stock Markets” (with Robert Forsythe and Thomas A. Reitz), Vol. 39, *Journal of Economic Behavior and Organization*, 1999, 83-110.

"Public and Private Guarantee Funds with Market Fragility" (with Russell Cooper), Vol. 66, *Journal of Risk and Insurance*, 1999, 163-184.

“On the Collaborative Potential of Psychology and Economics” (with J. Keith Murnighan), Vol. 39, *Journal of Economic Behavior and Organization*, 1999, 1-10.

“Refusals to Deal and Orders to Supply in Competitive Industries” (with Zhiqi Chen), Vol. 17, *International Journal of Industrial Organization*, 1999, 399-417.

"Orders to Supply as Substitutes for Commitments to Aftermarkets" (with Zhiqi Chen), Vol. 31, *Canadian Journal of Economics*, 1998, 1204-1224.

"Markets as Predictors of Election Outcomes: Campaign Events and Judgement Bias in the 1993 UBC Election Stock Market" (with Robert Forsythe, Murray Frank and Vasu Krishnamurthy), Vol. 24, *Canadian Public Policy*, 1998, 329-351.

“Bank Runs: Liquidity Costs and Investment Distortions” (with Russell Cooper), Vol. 41, *Journal of Monetary Economics*, 1998, 27-38.

“The 1997 UBC Election Stock Market” (with Werner Antweiler), Vol. 6, *Canadian Business Economics*, Winter 1998, 15-22.

“Introduction: The Evolution of Competition Law in Canada”, introductory (non-refereed) essay in a special issue (Vol. 13) of *Review of Industrial Organization*, 1998, 1-23.

THOMAS WAYNE ROSS

"Refusals to Deal and Aftermarkets" (with Zhiqi Chen and W.T. Stanbury), Vol. 13, *Review of Industrial Organization*, 1998, 131-151.

"Toward a New Canadian Approach to Agreements between Competitors" (with Tim Kennish), Vol.28, *Canadian Business Law Journal*, 1997, 22-68.

"Cooperation without Reputation: Experimental Evidence from Prisoner's Dilemma Games" (with Russell Cooper, Douglas DeJong and Robert Forsythe), Vol. 12, *Games and Economic Behavior*, 1996, 187-218.

"Using Market Prices to Predict Election Results: The 1993 UBC Election Stock Market" (with Robert Forsythe, Murray Frank and Vasu Krishnamurthy), Vol. 28, *Canadian Journal of Economics*, November 1995, 770-793.

"Raising an Army: A Positive Theory of Military Recruitment", Vol. 37, *Journal of Law & Economics*, April 1994, 109-131.

"Why are Extended Warranties So Expensive?" (with Zhiqi Chen), Vol. 45, *Economics Letters*, 1994, 253-257.

"Refusals to Deal, Price Discrimination and Independent Service Organizations" (with Zhiqi Chen), Vol. 2, *Journal of Economics & Management Strategy*, Winter 1993, 593-614.

"Forward Induction in the Battle of the Sexes Game" (with Russell Cooper, Douglas V. DeJong and Robert Forsythe), Vol. 83, *American Economic Review*, December 1993, 1303-1316.

"Sunk Costs as a Barrier to Entry in Merger Cases", Vol. 27, *University of British Columbia Law Review*, 1993, 75-92.

"Warranties Without Commitment to Market Participation" (with John Bigelow and Russell Cooper), Vol. 34, *International Economic Review*, February 1993, 85-100.

"Forward Induction in Coordination Games" (with Russell Cooper, Douglas V. DeJong and Robert Forsythe), Vol. 40, *Economics Letters*, 1992, 167-172.

"Imperfect Competition and Pareto-Improving Strategic Trade Policy" (with Aslam Anis), Vol. 33, *Journal of International Economics*, 1992, 363-371.

"Communication in Coordination Games" (with Russell Cooper, Douglas V. DeJong and Robert Forsythe), Vol. 107, *Quarterly Journal of Economics*, May 1992, 739-771.

"Cartel Stability and Product Differentiation", Vol. 10, *International Journal of Industrial Organization*, March 1992, 1-13.

THOMAS WAYNE ROSS

"Proposals for a New Canadian Competition Law on Conspiracy", Vol. 36, *Antitrust Bulletin*, Winter 1991, 851-882.

"On the Vertical Integration of Successive Monopolies", Vol. 7, *Review of Industrial Organization*, 1992, 375-383.

"On the Relative Efficiency of Cash Transfers and Subsidies", Vol. 29, *Economic Inquiry*, 1991, 485-496.

"Selection Criteria in Coordination Games: Some Experimental Results" (with Russell Cooper, Douglas V. DeJong and Robert Forsythe), Vol. 80, *American Economic Review*, 1990, 218-233.

"Communication in the Battle of the Sexes Game" (with Russell Cooper, Douglas V. DeJong and Robert Forsythe), Vol. 20, *Rand Journal of Economics*, 1989, 568-587.

"Canada's New Competition Policy", (with Christopher J. Maule), Vol. 23, *George Washington Journal of International Law and Economics*, 1989, 59-109.

"An Intertemporal Model of Warranties" (with Russell Cooper), Volume 21, *Canadian Journal of Economics*, 1988, 72-86.

"On the Price Effects of Mergers With Freer Trade", Vol. 6, *International Journal of Industrial Organization*, June 1988, 233-246.

"Movements Toward Free Trade and Domestic Market Performance With Imperfect Competition", Vol. 21, *Canadian Journal of Economics*, 1988, 507-524.

"Brand Information and Price", Vol. 36, *Journal of Industrial Economics*, 1988, 301-313.

"Store Wars: The Chain Tax Movement", Vol. 29, *Journal of Law and Economics*, 1986, 125-138.

"The Costs of Regulating Price Differences", Vol. 59, *Journal of Business*, 1986, 143-156.

"Monopoly Provision of Product Quality With Uninformed Buyers" (with Russell Cooper), Vol. 3, *International Journal of Industrial Organization*, 1985, 439-449.

"Extracting Regulators' Implied Welfare Weights: Some Further Developments and Applications", Vol. 25, *Quarterly Review of Economics and Business*, 1985, 72-84.

"Product Warranties and Double Moral Hazard" (with Russell Cooper), Vol. 16, *Rand Journal of Economics*, 1985, 103-113.

THOMAS WAYNE ROSS

"Winners and Losers Under the Robinson-Patman Act", Vol. 27, *Journal of Law and Economics*, 1984, 243-271.

"Prices, Product Qualities and Asymmetric Information: The Competitive Case" (with Russell Cooper), Vol. 51, *Review of Economic Studies*, 1984, 197-207.

"Uncovering Regulators' Social Welfare Weights", Vol. 15, *Rand Journal of Economics*, 1984, 152-155.

"The Cyclical Variation of Wage Premiums in the Canadian Manufacturing Industries" (with William J. Milne), Vol. 39, *Relations Industrielles / Industrial Relations*, Vol. 39, 1984, 762-773.

Other Publications, Conference Papers and Reports:

"Canada Looks at Revising Its *Competition Act*", *CPI Columns, Competition Policy International*, available online April 2022.

"Competition Policy in Africa", (with Liberty Mncube), Introduction to the Special Issue of the *Review of Industrial Organization*, Vol. 60, 2022, 293-295.

"Scholars Panel on Loyalty Programs: Introduction", Vol. 30, *Canadian Competition Law Review*, Spring 2017, 40-50.

"First Year of Enforcement of the Competition Ordinance in Hong Kong", (with Ping Lin), *Competition Policy International: Antitrust Chronicle*, March 2017, 30-39.

"The Economics of Public-Private Partnerships: Some Theoretical Contributions", (with J.-E. de Bettignies), in: G. Hodge, C. Greve and A. Boardman (eds.), *International Handbook of Public-Private Partnerships*, Northampton, MA: Edward Elgar Publishing, 2011, 132-158.

"Recent Canadian Policy Toward Industry: Competition Policy, Industrial Policy and National Champions", paper prepared for The Second Lisbon Conference on Competition Law and Economics, Lisbon, Portugal, November 2007, in: A. Mateus and T. Moreira (eds.), *Competition Law and Economics: Advances in Competition Policy and Antitrust Enforcement*, Northampton, MA: Edward Elgar, 2010, 332-360.

"Public-Private Partnerships: Economic and International Dimensions" (with Jean-Etienne de Bettignies) in: Z. Chen and M. Duhamel (eds.), *Industrial Organization in Canada: Empirical Evidence and Policy Challenges*, Montreal: McGill-Queen's University Press, 2010, 533-587.

THOMAS WAYNE ROSS

“The *Competition (Amendment) Bill 2007: A Review and Critique*”, (with Subhadip Ghosh), *Economic & Political Weekly* (of India), December 2008, 35-40.

“The Role of Economics – and Economists – in Merger Review in Canada”, paper prepared for the Canadian Bar Association 2005 Annual Fall Competition Law Conference, Gatineau, Quebec, November 2005. Available with conference proceedings on CD from the CBA.

“The Economics of Interdependence and Some Policy Options”, paper prepared for the 2003 Competition Law Invitational Forum, Langdon Hall, Cambridge (Ontario), April 2003.

“The Treatment of Efficiencies in Merger Review: An International Comparison”, (with Ann-Britt Everett), Report prepared for the Government of Canada, November 22, 2002, released March 2003.

“Some Thoughts on ‘Chicago’ and ‘Post-Chicago’ Antitrust and their Lessons for Canada”, paper presented to the Canadian Bar Association Annual Conference on Competition Law, October 2002, to be released on CD.

“Policy Proposals for Enhancing Competition in Canadian Airline Markets”, (with W. T. Stanbury), report prepared for the Canada Transportation Act Review Panel, Transport Canada, 2001.

“Interdependence Effects in Merger Analysis under the *Competition Act*”, in G. Leslie (ed.), *Papers of the Canadian Bar Association Annual Fall Conference on Competition Law - 1999*, Toronto: Juris Publishing and the Canadian Bar Association, 2000, 269-298.

“Avoiding the Maple Syrup Solution: Comments on the Restructuring of Canada’s Airline Industry”, (with W. T. Stanbury), Public Policy Sources #32, Fraser Institute, November 1999. Summary reprinted in *Fraser Forum*, December 1999.

“Barriers to Entry”, in R. S. Khemani (ed.) *A Framework for the Design and Implementation of Competition Law and Policy*, Washington & Paris: World Bank & OECD, 1999, 101-123.

“On Letting Competitors Cooperate”, Vol. 18, *Policy Options*, October 1997, 6-9.

“Globalization and Canadian Competition Policy”, paper prepared for the Second Annual Meeting of the Competition Law Section of the Canadian Bar Association, Montreal, September 1994.

“Alternative Institutions for Resolving Coordination Problems: Experimental Evidence on Forward Induction and Pre-Play Communication” (with Russell Cooper, Douglas V. DeJong and Robert Forsythe), in James W. Friedman (ed.), *Problems of Coordination in Economic Activity*, Boston: Kluwer Academic Publishers, 1994.

THOMAS WAYNE ROSS

"Comments on 'Strategic Trade Policy, Technology Spillovers and Foreign Investment' by Richard Harris", in D.G. McFetridge (ed.), *Foreign Investment, Technology and Economic Growth*, Calgary: University of Calgary Press, 1991, 28-31.

"Product Warranties and Moral Hazard" (with Russell Cooper), in *Issues in Pricing: Theory and Research*, T. Devinney (editor), Lexington Books, 1988, 83-98.

Solutions to Problems in the Theory of Price, 4th edition (with George J. Stigler), Macmillan, 1986.

Other Papers:

"The Welfare Effects and Stability of Semicollusion", (with L. Basso and V. Shadarevian), draft March 2021 (under revision).

"Settlements in the Presence of Leniency Programs: Costs and Benefits", (with Z. Chen and M. Strathearn), draft August 2022 (submitted)

"Collusion, Customer Search and Surcharges", (with V. Shadarevian), draft June 2022.

Newspaper Articles / Op-Ed Pieces:

"Let' Not Mistake Co-operation for Price-Fixing", *Globe and Mail*, September 3, 2002, p. B12.

"One Pro and Three Cons in the P3 Debate", *Business in Vancouver*, November 18-24, 2008, p. 10-11.

Grants Received:

2005-08, Infrastructure Canada (\$496,500), for "Building Public Infrastructure Capacity for Canadian Communities (UBC P3 Project)", (with A. Russell, UBC Civil Engineering and a team of UBC scholars).

2002-05, Social Sciences and Humanities Research Council of Canada (\$91,020), for "Anticompetitive Effects of Joint Ventures and Strategic Alliances".

1998-01, Social Sciences and Humanities Research Council of Canada (\$48,000), for "Theory and Experiments in the Economics of Coordination" (with R. Cooper, Boston U.)

THOMAS WAYNE ROSS

1998-99, University of British Columbia Hampton Fund (\$8,000), for "Revising Canadian Competition Policy".

1995-96, Vancouver Stock Exchange-Faculty of Commerce Research Fund (\$7,500), for "The UBC Election Stock Market Project".

1994-97 (extended to 1998), Social Sciences and Humanities Research Council of Canada, (\$38,000), for "On the Role and Optimal Design of Guarantee Funds" (with R. Cooper, Boston U.).

1994-95, U. of British Columbia, through small grants program (UBC-HSS) funded by the Social Sciences and Humanities Research Council of Canada, (\$4,750), for "Markets as Predictors of Election Outcomes: the UBC Election Stock Market" (with M. Frank and V. Krishnamurthy).

1992-93, U. of British Columbia, through small grants program (UBC-HSS) funded by the Social Sciences and Humanities Research Council of Canada, (\$4,750), for "Revising the Competition Act: Stage III".

1992-93, U. of British Columbia, through grants for new faculty funded by the Social Sciences and Humanities Research Council of Canada, (\$2,000), for "Research in Competition Policy".

1992-93, Consumer and Corporate Affairs Canada (Bureau of Competition Policy), (\$7,000), for "Research into Selected Topics in Competition Policy".

1992-93, Consumer and Corporate Affairs Canada (Bureau of Competition Policy), (\$5,000), for "Market Definition in Merger Cases" (with Abraham Hollander, U. of Montreal).

1990-92, Social Sciences and Humanities Research Council of Canada (\$25,120), for "Long Term Contracts without Commitment to Market Participation" (with R. Cooper, Boston U.)

1988-90, National Science Foundation (\$140,000 U.S.), for "Experiments on Equilibrium Selection in Coordination Games" (with R. Cooper, D. DeJong and R. Forsythe, U. of Iowa).

1986-1988, Social Sciences and Humanities Research Council of Canada (\$22,950), for "Product Warranties: Insurance, Incentives and Signals" (with R. Cooper, Boston University).

1985-1986, Consumer and Corporate Affairs Canada (Bureau of Competition Policy), (\$5,000) for "Competition Policy with Freer Trade".

1985-1986, Carleton U., GR-6 programme funded by Social Sciences and Humanities Research Council of Canada, (\$1,500) for "A Positive Theory of Military Recruitment".

THOMAS WAYNE ROSS

1984-1985, Carleton U., GR-6 programme funded by Social Sciences and Humanities Research Council of Canada, (\$2,000) for "Moral Hazard, Insurance and Product Warranties".

Doctoral Thesis Supervisor (Principal or Co-Principal Supervisor) For:

Professor Aslam Anis, University of British Columbia, completed January 1990.

Professor Philippe Cyrenne, University of Winnipeg, completed August 1991.

Professor Richard Arend, University of Nevada - Las Vegas, completed August 1995.

Professor Yuval Deutsch, York University, completed July 2002.

Professor Heng Ju, Shanghai University of Finance and Economics, completed 2009.

Dr. Markus von Wartburg, Analysis Group, completed 2009.

Dr. Sebnem Ucar (now Gavin), Canadian Competition Bureau, completed 2010.

Professor Jing Yan, Central University of Finance and Economics (Beijing), completed 2013.

Papers Presented and Special Training Delivered

2022-23: CRESSE Lawyers' Course (Heraklion, Greece)

2021-22: CRESSE Lawyers' Course (Heraklion, Greece); CBA Panel on Vertical Mergers (online)

2020-21: Merger Review Course (Lima, Peru); Strathmore Law School Panel (online Nairobi).

2019-20: CRESSE Conference Rhodes, Greece; CRESSE/Competition Commission of South Africa Conference (Pretoria); Competition Tribunal of Chile; University of Piura lecture (online Peru).

2018-19: U. of the Witwatersrand (Johannesburg), Strathmore University (Nairobi), Fiscalía Nacional Económica (Santiago), Hong Kong University of Science and Technology, Lingnan University (Hong Kong), University of Guelph

2017-18: Lingnan University (Hong Kong), Hong Kong Competition Commission, CADE (Competition Authority of Brazil), UFRJ/CRESSE (Rio de Janeiro), TOI Conference (Marbella,

THOMAS WAYNE ROSS

Chile), Canadian Competition Bureau, ICN/OECD Chief Economists Workshop (Seoul), Renmin University (Beijing), Jiangxi U. of Finance and Economics (Nanchang, China), Competition Authority of Kenya

2016-17: Competition Authority of Kenya; Lingnan University (Hong Kong); Conference on Regulation Theory and Policy (Zhejiang University of Finance and Economics); Shanghai University of Finance and Economics; Chilean Competition Authority (FNE); FNE Competition Day; FNE-CRESSE-ISCI Joint Workshop (Chile); Ninth Industrial Organization Workshop (Chile)

2015-16: Indecopi (Competition Authority of Peru), Competition Authority of Kenya, Strathmore University (Kenya – Public Lecture), BRICS International Competition Conference (Durban, South Africa), Hong Kong Economics Association Biennial Workshop

2014-15: Competition Authority of Kenya, Seventh Industrial Organization Workshop (Zapallar, Chile)

2013-14: Copenhagen Business School, Swedish Competition Authority, Danish Competition and Consumer Authority, Competition Authority of Kenya, University of Manitoba (Economics), University of Hong Kong (Business), Lingnan University (Hong Kong), Hong Kong University of Science and Technology (Business), Hong Kong Competition Commission.

2012-2013: Strathmore Business School (Nairobi, Kenya), Shanghai University of Finance and Economics, Zhejiang I.O. Conference (Hangzhou, China), PPP Conference (UBC), CRESSE (Corfu, Greece).

2011-2012: Canadian Competition Bureau, University of Hong Kong (Business School), Hong Kong Institute of Business Economics and Strategy (Business Group)

2010-2011: Third Industrial Organization Workshop (Zapallar, Chile), University of Victoria (Canada), University of Colorado at Boulder, Copenhagen Business School, Industrial Economics Conference, Zhejiang University (Hangzhou, China), Shanghai University of Finance and Economics

2009-2010: WHU Business School (Germany), U. of Mannheim, Canadian Competition Bureau.

2007-2008: International Workshop on Public-Private Partnerships (Hong Kong – invited speaker), Second Lisbon Conference on Competition Law and Economics (Lisbon, Portugal -- invited speaker), University of California - Riverside

2006-2007: Canadian Economics Associate Meetings (UQAM), University of British Columbia, Cornell University, Vanderbilt University, Carleton University, Simon Fraser University,

THOMAS WAYNE ROSS

Continuing Legal Education Program (Vancouver); Chinese Conference on Industrial Organization and Management Strategy (Shanghai).

2005-2006: Canadian Competition Bureau, Canadian Economics Association Meetings (McMaster, Hamilton), Canadian Bar Association Competition Conference (Gatineau), Peking University, Lingnan University (Hong Kong), Hong Kong University of Science and Technology.

2004-2005: Carleton University (School of Public Administration), University of Western Ontario, Industry Canada (Ottawa)

2003-2004: University of Lethbridge, Canadian Economics Association Meetings (Carleton U., Ottawa)

2002-2003: Canadian Bar Association Competition Law Section Meetings (Ottawa), University of Calgary, University of Washington (Seattle)

2001-2002: University of Toronto, New York University (Stern School of Business), Canadian Economics Association Meetings (Calgary)

2000-2001: University of British Columbia, City University of Hong Kong, Honk Kong University of Science and Technology

1999-2000: Canadian Bar Association Competition Law Section Annual Meetings (Ottawa, September 1999), American Economic Association Meetings (Boston, January 2000).

1998-99: European Association for Research in Industrial Economics Annual Meeting (Copenhagen, August 1998), University of Toronto, University of Guelph, University of Michigan, Cornell University, Université de Montréal, University of Windsor, Wilfred Laurier University, Queen's University

1997-98: Purdue University, Indiana University, Northwestern University, University of Alberta

Expert Testimony / Government Committee Appearances:

Director of Investigation and Research v. Hilldown Holdings Canada (Competition Tribunal), 1992. Expert witness for Director.

Director of Investigation and Research v. Southam Inc. (Competition Tribunal), 1992. Expert witness for Director.

House of Commons Standing Committee on Transportation, November 17, 1999. Asked to appear (with W. T. Stanbury) to provide views on competition in the airline industry.

THOMAS WAYNE ROSS

House of Commons Standing Committee on Industry, May 4, 2000. Asked to appear to provide views on the *Competition Act* and proposed amendments.

House of Commons Standing Committee on Industry, Science and Technology. Asked to appear to discuss proposed amendments to the *Competition Act* contained in Bill C-23, Oct. 23, 2001.

House of Commons Standing Committee on Industry, Science and Technology. Asked to appear to participate in Roundtable on Competition Policy, December 4, 2001.

House of Commons Standing Committee on Industry, Science and Technology. Asked to appear to discuss proposed amendments to the *Competition Act* contained in Bill C-249, April 2, 2003.

Commissioner of Competition v. Canada Pipe Company Ltd. (Competition Tribunal), March 24-26, 2004. Expert witness for the Commissioner.

Canadian Radio-television and Telecommunications Commission, September 28, 2005. Hearings on forbearance in local telecommunications. Expert witness for the Canadian Cable Telecommunications Association.

Apotex Inc. vs. Eli Lilly & Co. and Shionogi & Co., (Federal Court of Canada), September 11, 2008. Expert witness for Apotex.

Legislative Assembly of British Columbia Select Standing Committee on Crown Corporations, January 9, 2018. Asked to appear to discuss the introduction of ride-sharing services in British Columbia.

Professional Affiliations:

American Economic Association
 Canadian Economics Association
 European Association for Research in Industrial Economics
 Canadian Bar Association, Competition Law Section
 American Bar Association, Section on Antitrust Law

Refereed Submissions For:

American Economic Review, Canadian Journal of Economics, Canadian Journal of Law & Society, Economic Inquiry, Econometrica, Economica, International Economic Review, International Journal of Industrial Organization, International Journal of the Economics of Business, Journal of Business, Journal of Competition Law & Economics, Journal of Economics and Management Strategy, Journal of Economic Psychology, Journal of Law and Economics, Journal of Industrial Economics, Journal of International

THOMAS WAYNE ROSS

Economics, Journal of Political Economy, Management Science, National Science Foundation, Public Finance and Management, Queen's Law Journal, RAND Journal of Economics, Scandinavian Economic History Review, Social Sciences and Humanities Research Council of Canada, Southern Economic Journal

External Promotion, Tenure and Theses Reviews For:

Cleveland State University, Columbia University, Hong Kong University of Science and Technology, Lingnan University, Purdue University, Queen's University, Simon Fraser University, Stellenbosch University, University of Alberta, University of British Columbia, University of Calgary, University of Guelph, University of Hong Kong, University of Illinois at Urbana-Champaign, University of Montreal, University of New South Wales, University of South Australia, University of Toronto, University of Victoria, University of Waterloo, University of Windsor, Virginia Polytechnic Institute and State University, York University

THOMAS WAYNE ROSS

Consulting Activities

Current Consulting Affiliation: **President**
Delta Economics Group Inc.
#1100 – 1200 West 73rd Avenue
Vancouver, BC Canada V6P 6G5
Tel: (604) 267-7005
www.deltaecon.com

***Consulting Services Provided in the
Following Areas (partial list):***

Competition policy
Pricing in regulated industries
Pricing in imperfectly competitive markets
Game theory in management

Past Client List (partial list):

Competition Bureau (Canada)
Canadian Cable Telecommunications Assoc.
Air Canada
Future Shop
Loblaw
H. J. Heinz
Maple Leaf Foods
Manulife
Teck Coal Limited
West Fraser Timber
World Bank
& many class action plaintiffs

Industries Represented in Consulting Activities Include:

Airlines
Baby food
Book publishing
Containerized shipping
Consumer electronics
Financial services
Forest products
Grocery retailing
Meat rendering

Newspaper publishing
Rail Cargo Services
Ship berthing
Soft drinks
Telecommunications equipment
Telecommunications services
Vitamins
Water transportation - barging

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Topics Considered in Recent Consulting Activities:

- Abuse of dominance
- Access pricing in regulated industries
- Barriers to entry
- Lessening of competition in mergers
- Market definition
- Measuring damages due to price-fixing
- Pricing for rail cargo services
- Refusals to deal
- Tied selling
- Vertical squeezing by integrated sellers

Expert Testimony Provided / Government Committee Appearances:

Director of Investigation and Research v. Hillsdown Holdings Canada (Competition Tribunal), 1992. Expert witness for Director.

Director of Investigation and Research v. Southam Inc. (Competition Tribunal), 1992. Expert witness for Director.

House of Commons Standing Committee on Transportation, November 17, 1999. Asked to appear (with W. T. Stanbury) to provide views on competition in the airline industry.

House of Commons Standing Committee on Industry, May 4, 2000. Asked to appear to provide views on the *Competition Act* and proposed amendments.

House of Commons Standing Committee on Industry, Science and Technology. Asked to appear to discuss proposed amendments to the *Competition Act* contained in Bill C-23, October 23, 2001.

House of Commons Standing Committee on Industry, Science and Technology. Asked to appear to participate in Roundtable on Competition Policy, December 4, 2001.

House of Commons Standing Committee on Industry, Science and Technology. Asked to appear to discuss proposed amendments to the *Competition Act* contained in Bill C-249, April 2, 2003.

Commissioner of Competition v. Canada Pipe Company Ltd. (Competition Tribunal), March 24-26, 2004. Expert witness for the Commissioner.

THOMAS WAYNE ROSS

Canadian Radio-television and Telecommunications Commission, September 28, 2005.
Hearings on forbearance in local telecommunications. Expert witness for the Canadian Cable Telecommunications Association.

Apotex Inc. vs. Eli Lilly & Co. and Shionogi & Co., (Federal Court of Canada), September 11, 2008. Expert witness for Apotex.

Legislative Assembly of British Columbia Select Standing Committee on Crown Corporations, January 9, 2018. Asked to appear to discuss the introduction of ride-sharing services in British Columbia.