Last updated: July 17, 2009

CURRICULUM VITAE

NAME: Ross R. McKitrick

RANK: Professor

STATUS: Tenured

Member of Graduate Faculty: Yes

DEGREES:	B.A.(Hons)	Economics,	Queen's University	1988
	M.A.	Economics	University of British Columbia	1990
	Ph.D.	Economics	University of British Columbia	1996

EMPLOYMENT HISTORY:

1988-1989	Research Assistant, Industrial Relations Centre, Queen's University
1989-1994	Teaching Assistant, University of British Columbia
1989-1996	Research Assistant, University of British Columbia
1996-2001	Assistant Professor, Economics, University of Guelph
2001-2009	Associate Professor, Economics, University of Guelph
2009-	Professor

AWARDS AND HONOURS:

2003 Canadian Science Writers Association of Canada Book Award (Finalist), for *Taken By Storm: The Troubled Science Policy and Politics of Global Warming* coauthored with Christopher Essex

2003 Donner Prize (Runner-up) for Best Book on Canadian Public Policy, for *Taken By Storm: The Troubled Science Policy and Politics of Global Warming* coauthored with Christopher Essex.

MAJOR SCHOLARLY AND PROFESSIONAL ACTIVITIES

Referee (Journals): *American Economic Review, Econometrica, Energy Journal, Energy Studies Review, Environment and Energy, Environment and Development Economics, Canadian Journal of Economics, Canadian Public Policy, Canadian Journal of Agricultural Economics, International Journal of Climatology, Journal of Environmental Economics and Management, Journal of Economics and Management Strategy, Journal of Environmental Management, Journal of Comparative Economics, Journal of Regulatory Economics, Physical Geography, Public Choice, Water Resources Journal.*

Selected Media Interviews and Coverage

Radio: CKNW Vancouver, CBC World at Six, CBC Metro Morning, CBC Ontario Morning, CHQR, CIFM Kamloops, CFOR Vancouver, CHED, Corus Network

Television: CBC The National, CTV National News, BBC, Michael Coren Show (CTS)

Print: *Economist, Wall Street Journal, Globe and Mail, National Post, Time, Ottawa Citizen, Calgary Herald, London Free Press, Toronto Sun, Guelph Mercury, Guelph Tribune, Report Magazine, Die Stern, Sydney Morning Herald, MIT Technology Review*.

Print Op-eds: *National Post, Newsweek, Christian Science Monitor, Irish Times*.

RESEARCH FUNDING RECEIVED

Date of Award	Type of Grant/Contract	Source	Amount	Duration	Purpose
1999	Internal award	SSHRC	3,000	1 year	Research
2000	Grant-individual	SSHRC	37,517	3 yrs.	Research
2000	Grant- with J. Livernois	Env. Canada	8,000	1 year	conf.support
2000	Internal Award	UofG	4,500	1 semester	Res. Asst.
2000	Grant-individual	UofG Inst.Dev.Grant	2,500	l year	development
2001	Internal Award	UofG	4,500	1 semester	Res. Asst.
2002	Grant-individual	Donner Cdn. Foundation	20,000	1 year	book

2003	Grant-individual	SSHRC	134,000	3 years	Research
2007	Grant-individual	SSHRC	45,000	3 years	Research

CAREER INVOLVEMENT IN GRADUATE WORK

Master's Projects	(a) Supervision	18
	(b) Supervisory Committee	4
	(c) Examination Committee	2
Doctoral Thesis	(a) Supervisor	2 (in progress)
	(b) Supervisory Committee	10
	(c) Examination Committee	6

GRADUATE COURSES TAUGHT

ECON*6800 Environmental Economics: Winter 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2005; Fall 2005, 2006, 2007, 2008
ECON*6900 Directed Readings in Law and Economics Fall 2005

UNDERGRADUATE COURSES TAUGHT

ECON*4930 Environmental Economics: Fall 1996, 1997, 1998, Winter 1999, 2000, 2001, 2002, 2003, 2005, 2006, 2007, 2008, 2009

ECON*4900 Directed Readings in Environmental Economics: Fall 2000

ECON*2100 Economic Growth and Environmental Quality: Fall 1998, 1999

ECON*1200 Introductory Microeconomics: Fall 1996, 1997

PUBLICATIONS:

Books and Chapters in Books

1. McKitrick, Ross R. with Christopher Essex (2002) *Taken by Storm: The Troubled Science, Policy and Politics of Global Warming* Key Porter Books, fall 2002. Second edition: Fall 2007.

2. McKitrick, Ross R. (2004) "Budget '03 and the Kyoto Process." In *The 2003 Federal Budget: Conflicting Tensions* (C. Beach ed.), John Deutsch Institute, Kingston Ont., Spring 2004.

3. McKitrick, Ross R. (2005) and Carl Mitcham, "Economics:Overview" in *The Macmillan Encyclopedia of Science, Technology and Ethics*, Thompson Gale, July 2005.

4. McKitrick, Ross R. (2007) "Bringing Balance, Disclosure and Due Diligence into Science-Based Policymaking." In Porter, Jene ed., *Public Science in Liberal Democracy: The Challenge to Science and Democracy*, University of Toronto Press, 2007.

5. McKitrick, Ross R. (2006) "The Mann et al. Northern Hemisphere "Hockey Stick" Climate Index: A Tale of Due Diligence." in Michaels, Patrick, ed. *Shattered Consensus: The True State of Global Warming.* Rowman and Littlefield, 2006.

6. McKitrick, Ross R. (2008) "The T3 Tax as a Policy Strategy for Global Warming" in Nakamura, A. ed. *The Vancouver Volumes,* Trafford Press, forthcoming 2008.

7. McKitrick, Ross R. (2008) "Response to David Henderson's 'Governments and Climate Change Issues: the Flawed Consensus'" in Todd, Walker and Kerry Lynch, eds. *American Institute of Economic Research Economic Education Bulletin*, vol. 48 no. 5 (May 2008) Special Issue "The Global Warming Debate: Science, Economics and Policy." pp. 83—104.

8. McKitrick, Ross R. (2008) "Air Pollution Policy in Canada: Improving on Success" in Schneider, N. ed., *A Breath of Fresh Air: Market-Based Solutions for Environmental Challenges*, Vancouver: Fraser Institute, September 2008.

9. McKitrick, Ross R, ed.. (2009) *Critical Topics in Global Warming*. Vancouver: The Fraser Institute, April 2009.

10. McKitrick, Ross R. (2009) *Economic Analysis of Environmental Policy* accepted for publication, University of Toronto Press

Papers In Refereed Journals

11. McKitrick, Ross (1997). "Double-Dividend Environmental Taxation and Canadian Carbon Emissions Control" *Canadian Public Policy* December 1997, pp. 417-434.

12. McKitrick, Ross R. (1998) "The Econometric Critique of Applied General Equilibrium Modelling: The Role of Functional Forms." *Economic Modelling* 15 pp. 543-573.

13. Helliwell, John F. and Ross R. McKitrick, (1999) "Comparing Capital Mobility across National and Provincial Borders," *Canadian Journal of Economics* 32(5) pp. 1164-1173.

14. McKitrick, Ross R. (1999) "A Cournot Mechanism for Pollution Control under Asymmetric Information." *Environmental and Resource Economics*, October 1999, pp. 353-363.

15. McKitrick, Ross R. (1999) "A Derivation of the Marginal Abatement Cost Function." *Journal of Environmental Economics and Management*, May 1999, pp. 306-314.

16. McKitrick, Ross R. and Robert Collinge (2000) "Linear Pigovian Taxes and the Optimal Size of a Polluting Industry" *Canadian Journal of Economics* 33(4) pp. 1106-1119.

17. McKitrick, Ross R. (2000) "The Design of Regulations Expressed as Ratios or Percentage Quotas" *Journal of Regulatory Economics* 19(3), pp. 295-305.

18. McKitrick, Ross R. and Robert C. Collinge (2001), "The Existence and Uniqueness of Optimal Pollution Policy in the Presence of Victim Defence Measures." *Journal of Environmental Economics and Management* 44, pp. 106-122.

19. McKitrick, Ross R. (2001) "Mitigation versus Compensation in Global Warming Policy." *Economics Bulletin*, Vol 17 no. 2 pp. 1-6, 2001.

20. Weersink, Alfons, Michael Nailor and Ross R. McKitrick (2001). "The Economics of Voluntary Shared Cost Programs" *Current Agriculture, Food and Resource Issues*, No. 2/2001 pp.23-36.

21. McKitrick, Ross R. (2002) "Inference About Trends in Temperature Data After Controlling for Serial Correlation and Heteroskedastic Variance." *Proceedings of the Russian Geographical Society*, Vol. 164(3), pp. 16-24, 2002.

22. McKitrick, Ross R. and Timothy Shufelt (2002), "Environmental Impacts of Enhanced Property Rights." *Environment and Energy* 13(3) pp. 367-382.

23. McKitrick, Ross R. and Patrick J. Michaels, (April 2004) "A Test of Corrections for Extraneous Signals in Gridded Surface Temperature Data." *Climate Research* 26(2) 159-173, April 2004.

24. McKitrick, Ross R. and Stephen McIntyre (2003) "Corrections to the Mann et. al. (1998) Proxy Data Base and Northern Hemisphere Average Temperature Series." *Environment and Energy* 14(6) pp. 751-771, October 2003.

25. McKitrick, Ross R. and Patrick J. Michaels (2004) "Are Temperature Trends Affected by Economic Activity? Reply to Benestad (2004)" *Climate Research* 27(2) pp. 175-176.

26. McKitrick, Ross R. (2005) "Decentralizing a Regulatory Standard Expressed in Ratio or Intensity Form." *Energy Journal* 26(4) 1-9.

27. McKitrick, Ross R. and Christopher Essex (2005) " Reply to Professor Nicholls. "*Australian Journal of Agricultural and Resource Economics,* 49, pp. 364-367.

28. McKitrick, Ross R. and Stephen McIntyre (2005) " Hockey Sticks, Principal Components and Spurious Significance." *Geophysical Research Letters* Vol.32, No. 3, L03710, 10.1029/2004GL021750 12 February 2005.

29. McKitrick, Ross R. and Stephen McIntyre (2005) "Reply to Comment by von Storch and Zorita on "Hockey Sticks, Principal Componets and Spurious Significance" *Geophysical Research Letters* 32(20) L20714 10.1029/2005GL023089 21 October 2005

30. McKitrick, Ross R. and Stephen McIntyre (2005) "Reply to Comment by Huybers on "Hockey Sticks, Principal Components and Spurious Significance" *Geophysical Research Letters* 32(20)L20714 10.1029/2005GL023586 21 October 2005

31. McKitrick, Ross R. and Stephen McIntyre (2005) "The M & M Critique of the MBH98 Northern Hemisphere Climate Index: Update and Implications. " *Energy and Environment* 16(1) pp. 69-100.

32. McKitrick, Ross R. (2005) "Science and Environmental Policymaking: Bias-Proofing the Assessment Process." *Canadian Journal of Agricultural Economics* (53) 275-290.

33. McKitrick, Ross R. (2006) "The Politics of Pollution: Party Regimes and Air Quality in Canada" *Canadian Journal of Economics* 39(2), May 2006, 604-620.

34. McKitrick, Ross R. (2006) "Why Did US Air Pollution Emissions Decline After 1970"? *Empirical Economics* DOI:10.1007/s00181-006-0111-4.

35. Byatt, Ian, Ian Castles, Indur M. Goklany, David Henderson, Nigel Lawson, Ross McKitrick, Julian Morris, Alan Peacock, Colin Robinson and Robert Skidelsky (2007) "The Stern Review: A Dual Critique. Part II: Economic Aspects." *World Economy* 7(4) pp. 199-232.

36. Essex, Christopher, Bjarne Andresen and Ross McKitrick (2007) "Does a Global Temperature Exist?" *Journal of Nonequilibrium Thermodynamics,* Vol 32 No. 1.

37. McKitrick, Ross R. and P.J. Michaels (2007) "Quantifying the influence of anthropogenic surface processes and inhomogeneities on gridded global climate data." *Journal of Geophysical Research*, 112, D24S09, doi:10.1029/2007JD008465, 2007.

38. McKitrick, Ross R. (2008) "Calling the Carbon Bluff" *Environment and Energy* 19(5) 707—711.

39. McIntyre, Stephen and Ross R. McKitrick (2009) "Proxy inconsistency and other problems in millennial paleoclimate reconstructions." *Proceedings of the National Academy of Sciences* February 2, 2009. 106:E10; doi:10.1073/pnas.0812509106

Technical and Contract Reports

40. McKitrick, Ross R. (2002) National Round Table on the Environment and the Economy, Sustainability Indicators Project. Invited commentary paper on net savings-based indicator. March 28, 2002.

41. McKitrick, Ross R. (2002) National Round Table on the Environment and the Economy, Sustainability Indicators Project. Review Paper on Proposed method, prepared for economists' workshop Feb 20 2002.

42. McKitrick, Ross R. and Randall M. Wigle (2002) "The Kyoto Protocol: Canada's Risky Rush to Judgment." C.D. Howe Institute Commentary, October 2002.

43. McKitrick, Ross R. (2002) "Measuring Environmental Productivity in Theory and Practice", Statistics Canada Productivity Measurement Conference, Ottawa, November 2002.

44. McKitrick, Ross R. and Stephen McIntyre (2004) "Materials Complaint" Technical submission to *Nature* which, after refereeing, triggered the *Corrigendum* of Mann et al., *Nature* (430) p. 105, July 2004.

45. McKitrick, Ross R. (2004) "Power Plants, Air Quality and Health: The Case for re-examining Ontario's Coal Policy." Technical Report to the Power Workers Union, June 2004, mimeo.

46. McKitrick, Ross R. (2005) Submission to the House of Lords Select Committee on Climate Change, UK, 2005.

47. McKitrick, Ross R., Kenneth Green and Joel Schwartz (2005) "Pain Without Gain: Shutting Down Coal-Fired Power Plants Would Hurt Ontario" Fraser Institute, January 2005.

48. McKitrick, Ross R. and Stephen McIntyre (2006) "Presentation to the National Academy of Sciences Expert Panel, 'Surface Temperature Reconstructions for the Past 2,000 Years,' March 2006.

49. McKitrick, Ross R. and Stephen McIntyre (2006) Congressional Testimony, House Committee on Energy and Commerce, Washington DC July 27th, 2006.

50. McKitrick, Ross R. (2006) Submission to the UK Stern Commission on the Economics of Climate Change, UK, 2006.

51. McKitrick, Ross R. (2007) Invited Review of the NRTEE 'Interim Report to the Minister of the Environment' and 'Clean Air Act Technical Briefings', 2007.

52. McKitrick, Ross R. with Joseph D'Aleo, Madhav Khandekar, William Kininmonth, Christopher Essex, Wibjörn Karlén, Olavi Kärner, Ian Clark, Tad Murty and James J. O'Brien (2007) "The Independent Summary for Policymakers of the IPCC Fourth Assessment Report." Vancouver: Fraser Institute, 2007.

53. McKitrick, Ross R. (2008) "The Environmental Crisis: The Devil is in the Generalities." Invited article, *Academic Matters* April 2008.

54. McKitrick, Ross R. and Bruce D. McCullough (2009) "Check the Numbers: The Case for Due Diligence in Policy Formation." Fraser Institute, February 2009.

55. McKitrick, Ross R. and Olavi Kärner (2009) "Long Term Persistence and Nonstationarity in Geophysical Data." In McKitrick, Ross R. (ed.) *Critical Topics in Global Warming*, Vancouver: Fraser Institute (April 2009).

56. D'Aleo, Joseph, Madhav Khandekar and Ross R. McKitrick (2009) "Problems with the Global Surface Thermometer Network." In McKitrick, Ross R. (ed.) *Critical Topics in Global Warming*, Vancouver: Fraser Institute (April 2009).

Book Reviews

57. McKitrick, Ross R. (2002) Review of *The Collapse of the Kyoto Protocol and the Struggle to Slow Global Warming* (by David Victor) *Policy Options*. May-June 2002.

58. McKitrick, Ross R. (2002) Review of *Economics of Coastal and Water Resources: Valuing Environmental Functions* (by R.K. Turner *et. al.*, eds.) *The World Economy* June 2002.

59. McKitrick, Ross R. (2003) Review of *International Environmental Policy: Interests and the Failure of the Kyoto Process* by Sonja Boehmer-Christiansen and Aynsley Kellow (*The World Economy* Spring 2003)

60. McKitrick, Ross R. (2007) Review of *Responsible Growth for the New Millennium: Integrating Society, Ecology and the Economy.* The World Bank. *The World Economy* May 2007.

Papers Read (Conferences, Workshops, etc.)

<u>Academic Conferences</u>
Canadian Resources and Environmental Economics Study Group, Hamilton, October 1997
Canadian Resources and Environmental Economics Study Group, Ottawa, October 1998
Canadian Resources and Environmental Economics Study Group, Montreal, October 2002
Canadian Resources and Environmental Economics Study Group, Victoria, October 2003
Canadian Resources and Environmental Economics Study Group, Calgary, October 2004
Canadian Resources and Environmental Economics Study Group, Montreal, October 2005
Canadian Resources and Environmental Economics Study Group, Wolfeville, October 2006
Canadian Resources and Environmental Economics Study Group, Ottawa , October 2007
Canadian Resources and Environmental Economics Study Group, Toronto, October 2008

Canadian Economics Association, June 2001
Canadian Economics Association, May 2003
Canadian Economics Association, June 2004
Canadian Economics Association, June 2005
Canadian Economics Association, May 2006

Atlantic Economic Society, Vienna, March 1999
World Congress of Environmental Economics, Monterey California. June 2002
Symposium on Global Warming and the Next Ice Age, Los Alamos National Laboratory, Santa Fe NM, July 2006
Heartland Institute International Conference on Global Climate Change, New York City, March 2008

Heartland Institute International Conference on Global Climate Change, New York City, March 2009

Invited Academic Seminars
Finance Canada, October 1996
Wilfrid Laurier University, Department of Economics, October 1997
Canadian University Program on Global Change, University of Alberta, January 1998
McMaster University Department of Economics, February 1998
University of Chicago Department of Economics, May 3, 2000
Finance Canada, October 2002
University of Guelph Veterinary College, Department of Population Medicine, April 2003
University of Regina Department of Economics/Saskatchewan Institute of Public Policy October 2003
University of Manitoba Department of Economics November 2003
University of Waterloo Department of Economics November 2003
Wilfrid Laurier University Department of Economics April 2004
University of Victoria Department of Economics April 2005
University of Calgary Department of Economics April 2005
University of Western Ontario Department of Economics April 2005
McMaster University Department of Economics November 2005
University of North Carolina-Greenwood, Symposium on Global Climate Change, April 2006.
Queen's University School of Urban and Regional Planning November 2006
University of Delaware Department of Geography November 2006
University of Ottawa Department of Economics May 2007
University of Alberta Department of Economics March 2007
Queen's University Department of Economics 4th Year Student Seminar February 2008
University of Western Ontario School of Earth Sciences March 2008
Sir Wilfrid Laurier University Department of Economics March 2009
York University Department of Economics January 2008

Invited Conference and Plenary Addresses
Acton Institute Symposium on Stewardship, Connecticut, October 1999
Third Age Learning Group, University of Guelph, March 2000
Competitive Enterprise Institute Briefing, United States Congress, Washington DC, October 2001
Civitas Forum, Vancouver, April 2002.
Coal Association of Canada, Calgary May 2002
CD Howe Institute Canadian Energy Conference, Calgary, May 2002
Canadian Association of Business Economics Annual Meeting, Ottawa, October, 2002
Inter-Ministry Briefing, Ontario Government, November 2002
Competitive Enterprise Institute Briefing, Capitol Hill, Washington DC, February 2003
Vision 2020: Expanding Prairie Horizons, Winnipeg March 2003
University of Regina Public Lecture, October 2003
Marshall Institute Briefing, Capitol Hill, Washington DC, November 2003.
American Enterprise Institute Workshop on Economics of Climate Change, Washington DC November 2004
Fraser Institute Public Briefing, Vancouver BC, April 2005
Fraser Institute Public Briefing, Calgary AB, April 2005

University of Toronto Munk Centre of International Studies Roundtable Forum (by Invitation) with US Ambassador to Canada David Wilkins, November 2005
Fraser Institute Student Conference, Toronto ON, November 2005
University of Victoria, International Forum on Greenhouse Gas Management, April 2005
University of Western Ontario, Western Research Forum, April 2005
Monash University, Canberra, Asia-Pacific Economic Cooperation Study Centre, April 2005 (by videolink)
Upper Canada College, World Affairs Conference, Toronto ON, February 2006
Marshall Institute Climate Change Roundtable, US Senate Building Washington DC, February 2006
Tri-State Energy Managers Meeting, Cincinnatti Ohio, June 2006
Gyro Club, Kitchener , January 2007
Fraser Institute Luncheon, London UK , February 2007
Ontario Forest Industry Association AGM, Toronto, February 2007
Ottawa Economics Association, Annual Meeting, March 2007
Fraser Institute Seminar, Vancouver, April 2007
Vancouver Roundtable, Vancouver Club, Vancouver, April 2007
COPIC Energy Conference, Toronto May 2007
Civitas Policy Conference, Halifax, May 2007
Queen's University, Energy Policy Conference (2 Presentations), May 2007
Friends of Science Workshop on Canadian Climate Policy, Calgary September 2007
Viessman European Research Centre Conference on Global Climate Change Policy, Wilfrid Laurier University , September 2007
American Institute of Economic Research Conference on Global Climate Change, Great Barrington MA, November 2007 November 2007
Institute on Religion and Democracy Conference on Environmental Ethics, Washington DC, November 2007
C.D. Howe Institute Conference on Climate Policy in Canada, Toronto, December 2007
University of Guelph Student Environment Conference, January 2008
University of Guelph Biomedical Science Department, 4th Year Seminar, February 2008
University of Guelph ASTRA Seminar, February 2008
Keynote Address, Ontario Forest Industry Association AGM, Toronto, February 2008
Department of Finance Summer Retreat With Canada's Minister of Finance, Meech Lake, August 2008
Manning Centre for Building Democracy, Calgary, August 2008
Cambridge Rotary Club, Cambridge, September 10
Canadian Institute for Governance Innovation/Sir Wilfrid Laurier University Climate Policy Conference, Waterloo December 2008
G4 Canadian Energy Policy Roundtable, Kananaskis Alberta, March 2009
Brampton Rotary May 11, 2009
Canada School of Energy and Environment, Banff Alberta, June 2009
G4 Canadian Energy Policy Roundtable, Alton Ontario, June 2009

Government Hearings and Testimony

United States House of Representatives Committee on Energy and Air Quality, Hearings Testimony, June 26 2008.
Government of Canada House of Commons Environment Committee, Hearings Testimony, April 2005

Government of Canada House of Commons Finance Committee, Hearings Testimony, May 2001
Government of Canada House of Commons Finance Committee, Hearings Testimony, April 2001