

CURRICULUM VITAE W. CRAIG RIDDELL

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EDUCATION:

Royal Military College of Canada, Honours B.A. (Economics and Commerce), 1968

Queen's University at Kingston, M.A. (Economics), 1972

Queen's University at Kingston, Ph.D. (Economics), 1977

CURRENT POSITIONS:

Professor Emeritus of Economics, Vancouver School of Economics, University of British Columbia

Research Fellow, Institute for Research on Public Policy (IRPP), Montreal, Canada

Research Fellow, Centre for Research and Analysis of Migration (CReAM), London, UK

Research Fellow, Institute for the Study of Labor (IZA), Bonn, Germany

PREVIOUS POSITIONS AND PROFESSIONAL EXPERIENCE:

Fernand Braudel Senior Fellow, European University Institute, Florence, Italy, Fall 2021

Royal Bank Faculty Research Professor, Vancouver School of Economics, University of British Columbia, 1986-2016

Visiting Scholar, School of Economics, University of Sydney, Sydney, Australia, Fall 2016, Fall 2017, Fall 2018

Academic Director, Canadian Labour Market and Skills Research Network (CLSRN), 2007-2015

Fulbright Visiting Scholar, Department of Economics and Broom Center for Demography, University of California, Santa Barbara, Jan-June 2015

Visiting Scholar, Department of Economics and Center for Labor Economics, University of California, Berkeley, Fall 2014 and 2009-2010

Visiting Scholar, School of Economics, University of New South Wales, Sydney, Australia, 2002

Visiting Scholar, Economics Program, Research School of Social Sciences, Australian National University, 2002 and 1997

Head, Department of Economics, University of British Columbia, 1991-95

Visiting Research Associate, Thailand Development Research Institution, Bangkok, Thailand, 1991

Visiting Research Associate, Malaysian Institute for Economic Research, Kuala Lumpur, Malaysia, 1988

Associate Professor, Department of Economics, University of British Columbia, 1979-86

Assistant Professor, Department of Economics, University of Alberta, 1975-79

RESEARCH AND TEACHING INTERESTS:

Labour economics, labour relations, public policy

ACADEMIC AWARDS AND DISTINCTIONS:

Co-winner (with Chris Riddell) of the 2020 Douglas D. Purvis Memorial Prize: for the paper “Interpreting Experimental Evidence in the Presence of Post-Randomization Events: A Re-Assessment of the Self Sufficiency Project” *Journal of Labor Economics* 38 October 2020): <https://www.economics.ca/cpages/doug-purvis-memorial-prize>

Canadian Economics Association Fellow, 2020 <https://www.economics.ca/cpages/fellows-riddell>

Co-winner of the 2016 Douglas D. Purvis Memorial Prize for the volume *Income Inequality: The Canadian Story* (edited with David Green and France St Hilaire)

UBC Dean of Arts Award, 2016 (co-winner with David Green)

Fulbright Visiting Scholar, University of California, Santa Barbara, 2015

Mike McCracken Prize, 2012, for contributions to improving the data available to labour economists

Co-author of “The Evolution of the Returns to Human Capital in Canada, 1980-2005” (with Brahim Boudarbat and Thomas Lemieux), runner-up for the Vanderkamp Prize for the best article in *Canadian Public Policy* in 2010.

Contributor to *Dimensions of Inequality* edited by David Green and Jon Kesselman, winner of the 2007 Douglas D. Purvis Memorial Prize for its contribution to Canadian economic policy.

President, Canadian Economics Association, 1998-99

Academic Co-Chair, Canadian Employment Research Forum, 1991-98

Co-winner of the 1994 Douglas D. Purvis Memorial Prize for the study "A Comparative Analysis of Unemployment in Canada and the United States" (with David Card)

National Fellow, Hoover Institution, Stanford University, 1980-81

Canada Council Doctoral Fellowship, 1972-74

Ontario Graduate Fellowship, 1971-72

E.B. Nordheimer Memorial Award, Royal Military College of Canada, 1968

GOVERNMENT ADVISORY APPOINTMENTS:

Panel Member, Expert Panel on Modern Federal Labour Standards, 2019

Link to Expert Panel Report:

<https://www.canada.ca/en/employment-social-development/services/labour-standards/reports/expert-panel-final.html>

<https://www.canada.ca/fr/emploi-developpement-social/services/normes-travail/rapports/comite-experts-finale.html>

Panel Member, Expert Panel on Older Workers, Government of Canada, 2007-08

Member, External Research Advisory Committee to Human Resources and Social Development Canada, 2005-07

Member, Human Resources and Skills Development Canada's Expert Advisory Group for Medium Term Planning, 2005-06

Advisory Group Member, Institute of Local Government Studies (AKF), Copenhagen, Denmark, 2004-05

Member, Human Resources Development Canada's Advisory Panel on Adult Learning, 2000-01

Special Adviser, British Columbia Task Force on Employment and Training, 1989-1991

Research Coordinator for Labour Markets and Labour Relations, Royal Commission on the Economic Union and Development Prospects for Canada, 1983-85

PROFESSIONAL ACTIVITIES:

Statistics Canada's Advisory Committee on Labour and Income Statistics, 1985-2012

Board of Directors, Centre for the Study of Living Standards, Ottawa, Ontario

Academic Director, B.C. Interuniversity Research Data Centre, 2003-07

Member, National Coordination Committee, Research Data Centre Program, 2003-07

Co-investigator and Team Leader, SSHRC INE Collaborative Research Initiative on Globalization, Technological Revolutions and Education (TARGET), 2004-07

Associate Member, Institute of Fiscal and Monetary Policy and Foundation for Advanced Information and Research, Tokyo, Japan, 1995-2005

Co-investigator, SSHRC Major Collaborative Research Initiative on "Equality, Security and Community", 1998-2004

Member, Executive Council, Canadian Economics Association, 1996-2000

Associate, Canadian Institute for Advanced Research, Economic Growth and Policy Program, 1993-2002

Board of Directors, Canadian Employment Research Forum, 1991-2001

Co-investigator and Advisory Board Member, Canadian International Labour Network, 1996-2001

Council of Advisors, C.D. Howe Institute, 1988-91

Co-investigator and Executive Committee Member, Western Research Network on Education and Training, 1996-2002

EDITORIAL ACTIVITIES:

Associate Editor, *Labour Economics*, 1996-2005

Editorial Board, *Canadian Public Policy/Analyse de Politiques*, 1985-95

Associate Editor, *Canadian Public Policy/Analyse de Politiques*, 1984-86

Editorial Board, *Canadian Journal of Economics*, 1982-85

PUBLICATIONS:

Refereed Journals

"Recursive Estimation Algorithms for Economic Research" *Annals of Economic and Social Measurement* 4 (Summer 1975) 397-406.

"Prediction in Generalized Least Squares" *The American Statistician* 31 (May 1977) 88-90.

"The Empirical Foundations of the Phillips Curve: Evidence from Canadian Wage Contract Data" *Econometrica* 47 (January 1979) 1-24.

"The Use of the Stepwise Chow Test" *The Economic Studies Quarterly* 29 (December 1978) 242-7.

"Estimating Switching Regressions: A Computational Note" *Journal of Statistical Computation and Simulation* 10 (1980) 95-101.

"An Alternative Approach to Specification Errors" *Australian Economic Papers* 19 (June 1980) 211-14 (with A. Buse).

"The Effects of Strikes and Strike Length on Negotiated Wage Settlements" *Relations Industrielles/Industrial Relations* 35 (No. 1, 1980) 115-120.

"An APL Five-Liner for the Moore-Penrose Generalized Inverse" *APL Quote Quod* 10 (December 1979) 30-32 (with B. von Hohenbalken).

"Contemporaneous Correlation in Wage Contract Studies" *Econometrica* 49 (March 1981) 515-6.

"Bargaining Under Uncertainty" *American Economic Review* 71 (September 1981) 579-90.

"The Wage Inflationary Effects of No Strike/No Lockout Agreements on the Alberta

Construction Industry" *Journal of Economics* 6 (1980) 138-47 (with A.W. Jenkins).

"A Case for Selective Competition in the Canadian Telecommunications Industry (with reference to the U.S. experience)," *Journal of Economics* 7 (1981) 180-193 (with A.W. Jenkins).

"Expected Inflation and Wage Changes in Canada 1967-81" *Canadian Journal of Economics* 15 (August 1982) 377-94 (with P.M. Smith).

"The Responsiveness of Wage Settlements in Canada and Economic Policy", *Canadian Public Policy* 9 (March 1983) 9-23.

"The Economics of Women's Wages in Canada", pp. 149-174 in *International Review of Comparative Public Policy* vol. 3, Women's Wages: Stability and Change in Six Industrialized Countries edited by S.L. Willborn. Greenwich, Connecticut: JAI Press, 1991. (with M. Gunderson).

"Comparable Worth: Canada's Experience" *Contemporary Policy Issues*, 10 (July 1992) 85-94. (with M. Gunderson).

"The Economic Effects of Unemployment Insurance in Canada: An Empirical Analysis of UI Disentitlement" *Journal of Labor Economics*, 11 (January 1993) S96-S147 (with D. A. Green).

"Economic Issues Pertaining to Pay Equity," *New Approaches to Employee Management, Volume 2: Discrimination in Employment*, 1994, pp. 115-127 (with M. Gunderson).

"The Impact of Unionization on Male-Female Earnings Differences in Canada," *Journal of Human Resources* 29 (Spring, 1994) 504-534 (with D. J. Doiron).

"The Measurement of Labor Force Dynamics with Longitudinal Data: The Labour Market Activity Survey Filter," *Journal of Labor Economics* 13 (April, 1995) 351-385 (with S.R.G. Jones).

"Jobs, Labour Standards and Promoting Competitive Advantage: Canada's Policy Challenge" *Labour* 1995, pp. S125-S148 (with M. Gunderson).

"An Assessment of the Impact of Government-Sponsored Training" *Canadian Journal of Economics* 29 (April 1996) pp. S93-S98 (with N. Park, B. Power and G. Wong).

"Qualifying for Unemployment Insurance: An Empirical Analysis" *Economic Journal* 107 (January 1997) 67-84 (with D. A. Green).

The Canada – United States Unemployment Rate Gap (Editor), special issue of *Canadian Public Policy* 24 Supplement (February 1998) (with Andrew Sharpe).

“The Canada - United States Unemployment Gap: Introduction and Overview” *Canadian Public Policy* 24 (Supplement, February 1998), pp. S1-S37 (with Andrew Sharpe).

"Gross Flows of Labour in Canada and the United States" *Canadian Public Policy* 24 (February 1998), pp. S103-S120 (with Stephen R.G. Jones).

“The Measurement of Unemployment: An Empirical Approach” *Econometrica* 67 (January 1999) pp. 147-161 (with Stephen R.G. Jones).

"Canadian Labour Market Performance in International Perspective" *Canadian Journal of Economics* 32 (November 1999) pp. 1097-1134.

“Measuring Unemployment and Structural Unemployment” *Canadian Public Policy* 26 (Supplement, July 2000) pp. S101-S108.

"The Role of Credentials in the Canadian Labour Market" *Canadian Journal of Economics* 35 (November 2002) pp. 879-905 (with Ana M. Ferrer).

"Literacy and Earnings: An Investigation of the Interaction of Cognitive and Unobserved Skills in Earnings Generation" *Labour Economics* 10 (April 2003) pp. 165-184 (with David A. Green).

"Unions and Wage Inequality" *Journal of Labor Research* 25 (Fall 2004) pp. 519-562 (with David Card and Thomas Lemieux).

"Why is Canada's Unemployment Rate Persistently Higher than in the United States?" *Canadian Public Policy* 31 (March 2005) 93-100.

"The Effect of Literacy on Immigrant Earnings" *Journal of Human Resources* 41 (Spring 2006) 380-410 (with Ana Ferrer and David A. Green).

"Unemployment and Non-Employment: Heterogeneities in Labour Market States" *Review of Economics and Statistics* 88 (May 2006) 314-323 (with Stephen R.G. Jones).

"Education, Credentials and Immigrant Earnings" *Canadian Journal of Economics* 41 (February 2008) 186-216 (with Ana Ferrer).

“Older Workers in the New Economy: A Symposium on the Report of the Expert Panel on Older Workers” *Canadian Public Policy* 35 (December 2009) 469-471.

“The Evolution of the Returns to Human Capital in Canada, 1980-2005” *Canadian Public Policy* 36 (March 2010) 63-89 (with Brahim Boudarbat and Thomas Lemieux).

“The Impact of Education on Unemployment Incidence and Re-employment Success: Evidence from the U.S. Labour Market” *Labour Economics* 18 (August 2011) 453-463 (with Xueda Song).

“Does Education Reduce Unemployment? New Evidence on the Impact of Education on Unemployment and Re-employment” *Intereconomics: Review of European Economic Policy* 47 (January/February 2012) 16-22.

“Canadian Inequality: Recent Developments and Policy Options” *Canadian Public Policy* 38 (June 2012) 121-145 (with Nicole Fortin, David Green, Thomas Lemieux and Kevin Milligan).

“Ageing and Literacy Skills: Evidence from Canada, Norway and the United States” *Labour Economics* 22 (June 2013) 16-29 (with David A. Green).

“The Pitfalls of Work Requirements in Welfare-to-Work Policies: Experimental Evidence on Human Capital Accumulation in the Self-Sufficiency Project” *Journal of Public Economics* 117 (September 2014) 39-49 (with Chris Riddell).

“New Directions in Immigration Policy: Canada’s Fresh Approach to Immigrant Selection” *International Migration Review* 48 (Fall 2014) 846-867 (with Ana Ferrer and Garnett Picot).

“The Role of Education in Technology Use and Adoption: Evidence from the Canadian Workplace and Employee Survey” *ILR Review* 70 (No. 5, 2017) 1219-1253 (with Xueda Song).

“Ageing and Skills: The Case of Literacy Skills” *European Journal of Education* 54 (No. 1, 2019) 60-71 (with Garry F. Barrett) <https://doi.org/10.1111/ejed.12324>.

“Unemployment, Marginal Attachment and Labor Force Participation in Canada and the United States” *Journal of Labor Economics* 37 (Number S2, July 2019) S399-S441 (with Stephen R.G. Jones).

“Unions and Wage Inequality: The Roles of Gender, Skill and Public Sector Employment” *Canadian Journal of Economics* 53 (February 2020) 140-173 (with David Card and Thomas Lemieux).

“Waiting for Recovery: The Canadian Labour Market in June 2020” *Canadian Public Policy/Analyse de politiques* 46, S2 (August 2020) S102-S118 (with Stephen R.G. Jones, Fabian Lange and Casey Warman) <https://doi.org/10.3138/cpp.2020-078>.

“Interpreting Experimental Evidence in the Presence of Post-Randomization Events: A Re-Assessment of the Self Sufficiency Project” *Journal of Labor Economics* 38 October 2020) 873-914, (with Chris Riddell) <https://doi.org/10.1086/706513>.

“Welfare versus Work under a Negative Income Tax: Evidence from the Gary, Seattle, Denver and Manitoba Income Maintenance Experiments” (with Chris Riddell), March 2022, forthcoming *Journal of Labor Economics*: <https://www.iza.org/publications/dp/14585>.

“The Great Canadian Recovery: The Impact of COVID-19 on Canada’s Labour Market” (with Stephen R.G. Jones, Fabian Lange and Casey Warman), June 2022, forthcoming *Canadian Journal of Economics*: <https://www.iza.org/publications/dp/14588>.

Books

Work and Pay: The Canadian Labour Market (editor). Toronto: Royal Commission on the Economic Union and Development Prospects for Canada and University of Toronto Press, 1985.

Canadian Labour Relations (editor). Toronto: Royal Commission on the Economic Union and Development Prospects for Canada and University of Toronto Press, 1986.

Labour-Management Cooperation in Canada (editor). Toronto: Royal Commission on the Economic Union and Development Prospects for Canada and University of Toronto Press, 1986.

Adapting to Change: Labour Market Adjustment in Canada (editor). Toronto: Royal Commission on the Economic Union and Development Prospects for Canada and University of Toronto Press, 1986.

Dealing With Inflation and Unemployment in Canada. Toronto: Royal Commission on the Economic Union and Development Prospects for Canada and University of Toronto Press, 1986.

Labour Market Economics: Theory, Evidence and Policy in Canada. 2nd edition (1988) and 3rd edition (1993). Toronto: McGraw- Hill Ryerson (with Morley Gunderson).

Labour Market Economics: Theory, Evidence and Policy in Canada, 4th edition (1998) and 5th edition (2002). Toronto: McGraw-Hill Ryerson (with Dwayne Benjamin and Morley Gunderson).

Adapting Public Policy to a Labour Market in Transition (editor). Montreal: Institute for Research on Public Policy, 2000 (with France St-Hilaire).

Income Inequality: The Canadian Story. Montreal: Institute for Research on Public Policy, 2016 (edited with David A. Green and France St-Hilaire).

Labour Market Economics: Theory, Evidence and Policy in Canada, 6th edition (2007), 7th edition (2012) and 8th edition (2017). Toronto: McGraw-Hill Ryerson (with Dwayne Benjamin, Morley Gunderson and Thomas Lemieux).

Chapters in Books

"Leisure Time and the Measurement of Economic Welfare", in W.E. Diewert and C. Montmarquette (eds.) *Price Level Measurement* Ottawa: Statistics Canada, 1983, pp. 337-367.

"The Canadian Labour Market: An Overview" in W.C. Riddell ed. *Work and Pay: The Canadian Labour Market*, pp. 1-75.

"Canadian Labour Relations: An Overview" in W.C. Riddell ed. *Canadian Labour Relations*, pp. 1-93.

"Occupational Health and Safety in Canada" in W.C. Riddell ed. *Canadian Labour Relations*, pp. 285-320 (with C. Digby).

"Labour-Management Cooperation in Canada: An Overview" in W.C. Riddell ed. *Labour-Management Cooperation in Canada*, pp. 1-55.

"Labour Market Adjustment in Canada: An Overview" in W.C. Riddell ed. *Adapting to Change: Labour Market Adjustment in Canada*, pp. 1-40.

"Reducing Unemployment in Canada: Some Medium and Long Term Considerations" in M. Gunderson, N. Meltz and S. Ostry, eds., *Unemployment: International Perspectives*. Toronto: University of Toronto Press, 1987, pp. 152-63.

"Leisure Time and the Measurement of Economic Welfare" in W.E. Diewert ed. *Price Level Measurement*. Amsterdam: North-Holland, 1990, pp. 249-277.

"Provincial Public Sector Payrolls" in M. McMillan ed. *Provincial Public Finances: Plaudits, Problems and Prospects, Volume 2*. Toronto: Canadian Tax Foundation, 1991, pp. 164-192 (with M. Gunderson).

"Evaluation of Manpower and Training Programs: The North American Experience" in *Organization for Economic Cooperation and Development, The Evaluation of Manpower, Training and Social Programs: The State of a Complex Art*. Paris: OECD, 1991, pp. 43-72.

"A Comparative Analysis of Unemployment in Canada and the United States," in *Small Differences That Matter: Labor Markets and Income Maintenance in Canada and the United States*, edited by David Card and Richard Freeman. Chicago: University of Chicago Press and National Bureau of Economic Research, 1993, pp. 149-190. (with D. Card).

"Unionization in Canada and the United States: A Tale of Two Countries," in *Small Differences That Matter: Labor Markets and Income Maintenance in Canada and the United States*, edited by David Card and Richard Freeman. Chicago: University of Chicago Press and National Bureau of Economic Research, 1993, pp. 109-148.

"Regional Aspects of Labour Force Attachment and Labour Market Flows in Canada," in *Aspects of Labour Market Behavior: Essays in Honour of John Vanderkamp* edited by L.N. Christofides, E.K. Grant and R. Swidinsky. Toronto: University of Toronto Press, 1995, pp. 250-80 (with S.R.G. Jones).

"Human Capital Formation in Canada: Recent Developments and Policy Responses" in *Labour Market Polarization and Social Policy Reform* edited by Keith G. Banting and Charles M. Beach. Kingston: School of Policy Studies, Queen's University, 1995, pp. 125-172.

"Reforming Income Security in Canada: An Assessment of the Green Paper" in *Social Security Reform: Commentaries on the Axworthy Green Paper* edited by A. Sayeed. Montreal: Institute for Research on Public Policy, 1995, pp.66-77.

"Employment and Unemployment in Canada: An Assessment of Recent Experience" *Policy Options* July/August 1996, pp. 9-14.

"Unemployment in Canada and the United States: A Further Analysis" in B. Curtis Eaton and Richard G. Harris (eds.) *Trade, Technology and Economics: Essays in Honour of Richard G. Lipsey*. Cheltenham, U.K.: Edward Elgar, 1997, pp. 47-87 (with D. Card).

"Job Durations in Canada: Is Long Term Employment Declining?" in Michael G. Abbott, Charles M. Beach and Richard P. Chaykowski (eds.) *Transition and Structural Change in the North American Labour Market*. Kingston: IRC Press, 1997, pp. 8-40 (with D. A. Green).

"An Assessment of the LMAS Filter Using Gross Flows Data" in Michael G. Abbott, Charles M. Beach and Richard P. Chaykowski (eds.) *Transition and Structural Change in the North American Labour Market*. Kingston: IRC Press, 1997, pp. 86-110 (with S.R.G. Jones).

"Structural Change and Adjustment in the Canadian Labour Market" in Horst Siebert (ed.) *Structural Change and Labor Market Flexibility: Experience in Selected OECD Countries*. Tubingen: Mohr Siebeck, 1997, pp. 223-256.

"Wages, Skills and Technology in the United States and Canada" in *General Purpose Technologies and Economic Growth* edited by Elhanan Helpman. Cambridge: MIT Press, 1998, pp. 283-309 (with Kevin M. Murphy and Paul M. Romer).

"Unemployment and Labor Force Attachment: A Multi-State Analysis of Non-Employment" in *Labor Statistics Measurement Issues* edited by John Haltiwanger, Marilyn Manser and Robert Topel. Chicago: University of Chicago Press and National Bureau of Economic Research, 1998, pp. 123-152 (with Stephen R.G. Jones).

"The Role of Knowledge and Innovation for Economic Growth and Employment in the Information and Communication Technology Era" in *Transition to the Knowledge Society: Policies and Strategies for Individual Participation and Learning* edited by Kjell Rubenson and Hans G. Schuetze. Vancouver: Institute for European Studies, University of British Columbia, 2000, pp. 3-32 (with Charles Edquist).

"The Changing Nature of Work: Implications for Public Policy" in *Adapting Public Policy*

to a *Labour Market in Transition* edited by W. Craig Riddell and France St-Hilaire. Montreal: Institute for Research on Public Policy, 2000, pp. 1-37 (with Morley Gunderson).

“Human Capital Formation in a Period of Rapid Change” in *Adapting Public Policy to a Labour Market in Transition* edited by W. Craig Riddell and France St-Hilaire. Montreal: Institute for Research on Public Policy, 2000, pp. 85-141 (with Arthur Sweetman).

“Training in Canada” in *Labour Market Policies in Canada and Latin America: Challenges of the New Millennium* edited by Albert Berry. Boston: Kluwer Academic, 2001, pp. 243-265 (with Morley Gunderson).

“Unemployment Insurance: Lessons from Canada” in *Labour Market Policies in Canada and Latin America: Challenges of the New Millennium* edited by Albert Berry. Boston: Kluwer Academic, 2001, pp. 69-96 (with Morley Gunderson).

"Education and Skills: An Assessment of Recent Canadian Experience" in *The State of Economics in Canada: Festschrift in Honour of David Slater* edited by Patrick Grady and Andrew Sharpe. Montreal and Kingston: McGill-Queen's University Press, 2001, pp. 485-517.

"Is there Under- or Over-Investment in Education?" in *Towards Evidence-Based Policy for Canadian Education* edited by Patrice de Broucker and Arthur Sweetman. Montreal and Kingston: McGill-Queen's University Press and John Deutsch Institute for Economic Policy, 2002, pp. 473-96.

"Sheepskin Effects and the Returns to Education" in *Towards Evidence-Based Policy for Canadian Education* edited by Patrice de Broucker and Arthur Sweetman. Montreal and Kingston: McGill-Queen's University Press and John Deutsch Institute for Economic Policy, 2002, pp. 423-445 (with Ana M. Ferrer).

"Literacy Skills, Non-Cognitive Skills and Earnings: An Economist's Perspective" in *Towards Evidence-Based Policy for Canadian Education* edited by Patrice de Broucker and Arthur Sweetman. Montreal and Kingston: McGill-Queen's University Press and John Deutsch Institute for Economic Policy, 2002, pp. 123-153 (with David A. Green).

"Unions and the Wage Structure" in *International Handbook of Trade Unions* edited by John T. Addison and Claus Schnabel. Cheltenham, UK: Edward Elgar, 2003, pp. 246-292 (with David Card and Thomas Lemieux).

"Education, Skills and Labour Market Outcomes: Exploring the Linkages in Canada" in *Educational Outcomes for the Canadian Workplace*, edited by Jane Gaskell and Kjell Rubenson. Toronto: University of Toronto Press, 2004, pp. 21-55.

"Changing Patterns of Unionization: The North American Experience", in *Unions in the 21st Century* edited by Anil Verma and Thomas A. Kochan. London: Palgrave Macmillan,

2004, pp. 146-164 (with Chris Riddell).

"The Social Benefits of Education: New Evidence on an Old Question" in *Taking Public Universities Seriously* edited by Frank Iacobucci and Carolyn Tuohy. Toronto: University of Toronto Press, 2005, pp. 138-163.

"Seeking Equity, Efficiency and Opportunity: What the Macdonald Commission Said about Labour Markets and Social Policy" in *The Macdonald Commission Report 20 Years On: Its Recommendations, Subsequent Experience, and Lessons for the Future*, edited by David Laidler and William Robson. Toronto: C.D. Howe Institute, 2005, pp. 53-65.

"Recent Trends in Wage Inequality and the Wage Structure in Canada" in *Dimensions of Inequality in Canada* edited by David A. Green and Jonathan Kesselman. Vancouver: UBC Press, 2006, pp. 273-306 (with Brahim Boudarbat and Thomas Lemieux).

"Unions and Wage Inequality" in *What Do Unions Do? A Twenty-Year Perspective* edited by James T. Bennett and Bruce E. Kaufman. New Brunswick, N.J.: Transaction Publishers, 2007, pp. 114-159 (with David Card and Thomas Lemieux).

"The Impact of Education on Economic and Social Outcomes: An Overview of Recent Advances in Economics" in *Fulfilling Potential, Creating Success: Perspectives on Human Capital Development* edited by Garnett Picot, Ron Saunders and Arthur Sweetman. Montreal: McGill-Queen's University Press, 2007, pp. 55-100.

"Investing in Human Capital: Policy Priorities for Canada" in *A Canadian Priorities Agenda: Policy Choices to Improve Economic and Social Well-Being*, edited by Jeremy Leonard, Christopher Ragan and France St-Hilaire. Montreal: Institute for Research on Public Policy, 2007, pp. 13-55.

"Economic Change and Worker Displacement in Canada: Consequences and Policy Responses" in *A Festschrift in Honour of David Dodge's Contributions to Canadian Public Policy*. Ottawa: Bank of Canada, 2009, pp. 223-235.

"Economic Outcomes of Adult Education and Training" in *International Encyclopedia of Education*, volume 1, edited by Penelope Peterson, Eva Baker and Barry McGaw. Oxford: Elsevier, 2010, pp. 204-210 (with Ana Ferrer).

"Economic Outcomes of Adult Education and Training" in *Adult Learning and Education*, edited by Kjell Rubenson. Oxford: Elsevier, 2011, pp. 299-306. (with Ana Ferrer).

"Unemployment Insurance Savings Accounts in Latin America: Overview and Assessment" in Robert Holzmann and Milan Vodopivec (editors) *Reforming Severance Pay: An International Perspective*. Washington, D.C.: World Bank, 2012 (with Ana Ferrer).

"Unemployment Compensation and Adjustment Assistance for Displaced Workers: Policy Options for Canada" in *Making EI Work: Research from the Mowat Centre Employment*

Insurance Task Force edited by Keith Banting and Jon Medow. Montreal and Kingston: McGill-Queen's University Press, 2012, pp. 361-389.

“Canada’s Immigration Policy and Labour Shortages” in *Labour Shortages and Migration Policy* edited by Anna Platonova and Giuliana Orso. Brussels: International Organization for Migration, 2012, pp. 51-88 (with Ana Ferrer and Garnett Picot).

“L’Inegalite au Quebec: Evolution Recente et Options en Matiere de Politiques” *Le Quebec economique* edited by Marcelin Joanis, Luc Godbout and Jean-Yves Duclos. Laval: Presses de L’Universite Laval, 2013, pp. 253-280. (with Nicole Fortin, David Green, Thomas Lemieux and Kevin Milligan).

“Income Inequality in Canada: Driving Forces, Outcomes and Policy” in *Income Inequality: The Canadian Story* edited by David Green, W. Craig Riddell and France St-Hilaire. Montreal: Institute for Research on Public Policy, 2016, pp. 1-76 (with David A. Green and France St-Hilaire).

“Who Are Canada’s Top 1 Percent?” in *Income Inequality: The Canadian Story* edited by David Green, W. Craig Riddell and France St-Hilaire. Montreal: Institute for Research on Public Policy, 2016, pp. 103-156 (with Thomas Lemieux).

"Ageing and Literacy Skills: Evidence from IALS, ALL and PIAAC", *OECD Education Working Papers*, No. 145, OECD Publishing, Paris, 2016. Also published in *Analysing Adults' Skills: Proceedings of the 2nd International PIAAC Conference*. Paris: OECD, 2016 (with Garry Barrett). <http://dx.doi.org/10.1787/5jlphd2twps1-en>

“Is There a Tradeoff Between Ethnic Diversity and Redistribution? The Case of Income Assistance in Canada” Chapter 10 in *Federalism and the Welfare State in a Multicultural World*. Eds, Elizabeth Goodyear-Grant, Richard Johnston, Will Kymlicka and John Myles. Kingston and Montreal: McGill-Queen’s University Press, 2018 (with David A. Green).

Work in Progress

“Understanding ‘Sheepskin Effects’ in the Returns to Education: The Role of Cognitive Skills”

“Understanding Educational Impacts: The Role of Literacy and Numeracy Skills” (with Garry Barrett and David Green)

“A Helping Hand Goes a Long Way: Long-Term Effects of Counselling and Support to Workfare Program Participants” (with Gustavo J. Bobonis, Aneta Bonikowska, Philip Oreopoulos and Steven P. Ryan), July 2022

Book Reviews, Comments and Review Articles

Review of Jean-Michael Cousineau and Robert Lacroix, Wage Determination in Major Collective Agreements in the Private and Public Sectors, Ottawa: Economic Council of Canada, 1977. Canadian Journal of Economics 12 (May 1979) pp. 333-5.

Review of Morley Gunderson, Labour Market Economics: Theory, Evidence and Policy in Canada, McGraw-Hill Ryerson Ltd., 1980. Industrial and Labor Relations Review 34 (July 1981) pp. 617-8.

Review of Annales de l'Institut National de la Statistique et des Etudes Economiques, The Econometrics of Panel Data in the Journal of the American Statistical Association 77 (March 1982) pp. 217-19.

"Inflation", in The Canadian Encyclopedia, Edmonton: Hurtig Publishers 1985, pp. 880-1. (Updated version in The Canadian Encyclopedia, Second Enlarged and Updated Edition, Edmonton: Hurtig Publishers 1988.)

"Recession", in The Canadian Encyclopedia, Edmonton: Hurtig Publishers 1985, p. 1550. (Updated version in The Canadian Encyclopedia, Second Enlarged and Updated Edition, Edmonton: Hurtig Publishers 1988.)

"Stagflation", in The Canadian Encyclopedia, Edmonton: Hurtig Publishers 1985, p. 1750. (Updated version in The Canadian Encyclopedia, Second Enlarged and Updated Edition, Edmonton: Hurtig Publishers 1988.)

"Canada in the World Labour Market: Commentary" in K. Newton, T. Schweitzer and J.P. Voyer (eds.) Perspective 2000: Proceedings of a Conference Sponsored by the Economic Council of Canada, December 1988. Ottawa: Minister of Supply and Services, pp. 198-202.

"Human Capital and Infrastructure: Comment" in Infrastructure and Competitiveness edited by J.M. Mintz and R.S. Preston. Kingston: John Deutsch Institute for the Study of Economic Policy, 1994, pp. 273-80.

"Demographic Trends, Labour Force Participation, and Long Term Growth: Comment" in Fiscal Targets and Economic Growth edited by T. Courchene and T. Wilson. Kingston: John Deutsch Institute for the Study of Economic Policy, 1998, pp. 58-65.

"What Have We Learned About Price Stability?: Discussion" in Price Stability and the Long Run Target for Monetary Policy. Ottawa: Bank of Canada, 2001, pp. 266-79.

"Labour Market Issues and Future Directions for Canadian Immigration Policy: Panel Comments" in Canadian Immigration Policy for the 21st Century edited by Charles M. Beach, Alan G. Green and Jeffrey G. Reitz. Kingston, Ontario: John Deutsch Institute for the Study of Economic Policy, 2003, pp. 621-31.

"Obituary: Stuart Marshall Jamieson (1914-2002) Canadian Journal of Economics Supplement August 2003, pp. 1-5 (with Gideon Rosenbluth and Mark Thompson).

"Tribute to Stuart Marshall Jamieson, 1914-2002" Relations Industrielles/Industrial Relations 59 (No. 2, 2004) 231-2 (with Gideon Rosenbluth and Mark Thompson).

"Trade Liberalization and the Labour Market: Comments" in Social and Labour Market Aspects of North American Linkages edited by Richard Harris and Thomas Lemieux. Calgary: University of Calgary Press, 2005, pp. 147-150.

"The Demand for Biculturally Trained Lawyers: Commentary on Davis and Trebilcock" in Biculturalism: An Economic Approach edited by Albert Breton and Michael Trebilcock. Williston, Vermont: Ashgate Publishing, 2006, pp. 217-220. (French version Le biculturalisme: Une approche économique Paris: Les Editions ESKA, 2007, pp. 217-220).

"Brexit and Canadian Inequality" *Policy Options*, July 2016. Montreal : IRPP (with David A. Green and France St-Hilaire). Available at : <http://policyoptions.irpp.org/magazines/july-2016/brexit-and-canadian-inequality/>

"How does increasing immigration affect the economy? " *Policy Options*, November 2016. Montreal : IRPP (with David A. Green and Chris Worswick). Available at : <http://policyoptions.irpp.org/magazines/november-2016/how-does-increasing-immigration-affect-economy/>.

"The labor market in Canada, 2000-2016" *IZA World of Labor* March 2018, doi: 10.15185/izawol.432, available at: <https://wol.iza.org/articles/the-labor-market-in-canada/long>.

Background Papers for Commissions, Task Forces, Governments, Institutes

"The Use of Recursive Residuals in Econometric Hypothesis Testing" Statistics Canada, Econometrics Working Paper, October 1977, 44 pp.

"Unanticipated Inflation and Unemployment in Canada, Ontario and Newfoundland" Economic Council of Canada Discussion Paper No. 182, Nov. 1980, 107 pp.

"An Assessment of the Base Rate Index", a report prepared for the Economic Analysis Branch, Labour Canada, January 1981, 30 pp.

"Changing Behavior Patterns and Unemployment", report prepared for the Commission of Inquiry on Unemployment Insurance, March 1986, 56 pp.

"Incentives for Undertaking On-the-Job Training" Background Paper prepared for the B.C. Task Force on Employment and Training, June 1990, 38 pp. (with Morley Gunderson).

"Elements of a Positive Adjustment Policy", Background Paper for the B.C. Task Force on

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"Trends in Labour Relations and Impact on the Health Care Sector", Background Paper prepared for the British Columbia Royal Commission on Health Care and Costs, February 1991, 54 pp. (with Morley Gunderson).

"Trends in Earnings Affecting British Columbia's Health Care Sector", Background Paper for the British Columbia Royal Commission on Health Care and Costs, March 1991, 25 pp.

"Recent Labour Market Developments in British Columbia", Background Paper for the B.C. Task Force on Employment and Training, March 1991, 72 pp. (with Morley Gunderson).

"Labour Force Adaptability: Implications for Education and Training", Background Paper for the B.C. Task Force on Employment and Training, April 1991, 49 pp. (with Morley Gunderson).

"Adjustment to Permanent Job Loss in British Columbia", Background Paper for the B.C. Task Force on Employment and Training, May 1991, 21 pp.

"Design Issues Relating to the Wage Subsidy/Self-Sufficiency Project", Background Paper for the Technical Advisory Panel on the Wage Subsidy/Self Sufficiency Research Project, Human Resources Development Canada, Applied Research Branch, Research Paper R95-4, August 1991, 52 pp. (with David A. Green).

"On the Job Training: Theory, Evidence and Policy" Background Paper prepared for the Thailand Research Development Institution, August 1991, 56pp.

"Earnings Growth and Work Experience in Thailand" Background Paper prepared for the Thailand Research Development Institution, September 1991, 36 pp.

"Assessment of Alternative Subsidy Treatments for the EIC Self-Sufficiency Project" study prepared for the Innovations Program, Employment and Immigration Canada, November 1991, 134 pp. (with Jon Kesselman).

"Evaluating the UI Regular Benefits Program", Background Paper prepared for Insurance Programs Division, Program Evaluation Branch, Strategic Policy and Planning, Employment and Immigration Canada, August 1992, 57 pp. (with Stephen R.G. Jones and Peter Kuhn).

"Competitiveness and Public Sector Wages and Employment," Background Paper prepared for the Government and Competitiveness Project, School of Policy Studies, Queen's University, Discussion Paper 93-17, August 1993, 54 pp. (with Morley Gunderson).

"An Evaluation of UI Sponsored Training" Insurance Program Evaluation Report, Human Resource Development Canada, August 1993, 254 pp. (with Norm Park and Robert

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"Eliminating Barriers to Employment Growth and Job Creation", prepared for Industry Canada, February 1994, 61 pp. (with Morley Gunderson).

"Estimates of the Public-Private Sector Wage Differentials in Canada for 1981 and 1990", Background Paper prepared for Government and Competitiveness Project, School of Policy Studies, Queen's University, July 1994, 61 pp. (with Morley Gunderson).

"The Canadian Income Security System", Background Paper prepared for the Organization for Economic Cooperation and Development, July 1994, 60 pp.

"Qualifying for Unemployment Insurance: An Empirical Analysis of Canada" UI Evaluation Technical Report, Human Resources Development Canada, May 1995, 49 pp. (with David A. Green).

"The Interaction of Unemployment Insurance and Social Assistance in Canada" UI Evaluation Technical Report, Human Resources Development Canada, January 1996, 73 pp. (with Garry Barrett, Denise Doiron and David A. Green).

"Evidence on the Effectiveness of Youth Labour Market Programs in Canada: An Assessment" Background Paper prepared for the Ministerial Task Force on Youth, November 1996, 128 pp.

"The Effects of the Shift to an Hours Based Entrance Requirement" Report prepared for Human Resources Development Canada, March 1999, revised April 2000, 92 pp. (with David A. Green).

"Pay Differences Between the Government and Private Sectors: Labour Force Survey and Census Estimates" Report prepared for Canadian Policy Research Networks, Human Resources in Government Project, June 1999, 84 pp., issued as CPRN Discussion Paper No. W|10, February 2000 (with Morley Gunderson and Douglas Hyatt).

"Unemployment and Labour Force Attachment: A Study of Canadian Experience 1997-1999" Report prepared for Statistics Canada, August 1999, 106 pp. (with Stephen R.G. Jones).

"Employment Standards in the New World of Work" Background Paper prepared for the Coalition of BC Businesses, January 2000, 51 pp. (with Morley Gunderson).

"Literacy, Numeracy and Labour Market Outcomes in Canada" Ottawa: Statistics Canada, Human Resources Development Canada and National Literacy Secretariat, IALS Monograph Series No. 8, March 2001 (with David A. Green).

"The Role of the State in the Employment Relationship" Background Paper prepared for Minister of Labour Roundtable on "Modernizing Labour Policy within a Human Capital

Strategy" Meech Lake, November, 2001.

"The Role of Government in Post-Secondary Education in Ontario" Background Paper prepared for the Panel on the Role of Government in Ontario, October 2003.

"Rapporteur's Report: Roundtable on *Adjustments in Markets for Skilled Labour in Canada*" Report for Skills Research Initiative sponsored by Human Resources Development Canada, Industry Canada and the Social Science and Humanities Research Council, Working Paper 2004.

"The Effect of Literacy on Immigrant Earnings" IALS Monograph Series No. 12, September 2004. Ottawa: Statistics Canada (with Ana Ferrer and David A. Green).

"Unemployment Insurance Savings Accounts in Latin America: Overview and Assessment" Background Paper prepared for the World Bank, September 2004 (with Ana Ferrer).

"Evaluation of Youth Employment Programs" Background Report prepared for the Youth Employment Strategy Evaluation Workshop, November 2004 (with Arthur Sweetman).

"The Impact of Education on Economic and Social Outcomes: An Overview of Recent Advances in Economics" in *Skills and Knowledge for Canada's Future: Seven Perspectives*, edited by Ron Saunders. Ottawa: Canadian Policy Research Networks, June 2006.

"Education Upgrading and Its Consequences among Welfare Recipients: Empirical Evidence from the Self-Sufficiency Project," Social Research and Demonstration Corporation Working Paper 06-08, March 2006 (with Chris Riddell)

"Rapporteur's Report: Workshop on *Adjustments in Markets for Skilled Workers*" Report for Skills Research Initiative sponsored by Human Resources Development Canada, Industry Canada and the Social Science and Humanities Research Council, Working Paper 2007.

"Literacy and the Labour Market: The Generation of Literacy and Its Impact on Earnings for Native Born Canadians," IALS Monograph Series No. 18. Ottawa: Statistics Canada, November 2007 (with David A. Green).

"Literacy and the Labour Market: Cognitive Skills and Immigrant Earnings" IALS Monograph Series No. 20. Ottawa: Statistics Canada, July 2008 (with Aneta Bonikowska and David A. Green).

"Net Impact Analysis Methodology Review: An Assessment of Alternative Approaches with WORP Data" Report prepared for Alberta Employment and Immigration, March 2009.

“Unemployment Insurance Savings Accounts in Latin America: Overview and Assessment”
World Bank Discussion Paper No. SP 910, June 2009 (with Ana Ferrer).

“The Determinants of Literacy, Numeracy and Problem-Solving Skills and the Consequences of these Skills for Labour Market Outcomes in Ontario” Report prepared for the Ministry of Training, Colleges and Universities, Government of Ontario, December 2009.

“Unemployment Compensation and Adjustment Assistance for Displaced Workers: Policy Options for Canada” Paper prepared for the Mowat Centre Employment Insurance Task Force, July 2011.

“Canada’s Immigration Policy and Labour Shortages” Report prepared for the International Organization for Migration, European Union, Brussels, April 2011 (with Ana Ferrer and Garnett Picot).

“Extension of EI Benefits for Long-Tenured Workers: Methodology Report” Prepared for Human Resources and Skills Development Canada, August 2012.

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