

July 2008

## James R. Markusen - Curriculum Vitae

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**Current Positions:** University Distinguished Professor  
University of Colorado (1990- ) (Chairman, 1991-1995)

Professor, University College Dublin, Belfield, Dublin 4, Ireland

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University of Colorado (303)-492-8960 FAX  
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Boulder, Colorado 80304

**Date of Birth:** April 26, 1948

**Place of Birth:** Minneapolis, Minnesota, USA

**Citizenship:** USA, EU (Ireland)

**Family Status:** Married to Dr. Ann Carlos, two children

<b>Education:</b>	<u>Institution</u>	<u>Address</u>	<u>Degree</u>	<u>Date</u>
	Boston College	Chestnut Hill, Mass.	B.A.	6/70
	Boston College	Chestnut Hill, Mass.	Ph.D.	9/73

**Ph.D. Dissertation Title:** Cooperative and Non-cooperative Control of  
International Common Property Resources  
(Advisors: James E. Anderson and John G. Riley)

### **Professional Experience:**

<u>Other Academic</u>	Professor of Economics University of Western Ontario (1972-1990)
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Visiting Lecturer  
University of Ghana (1973-74)

Visiting Associate Professor  
University of New South Wales  
(1980-81)

Visiting Professor  
University of California, San Diego  
(1985)

Visiting Fellow  
Institute for Advance Studies  
The Hebrew University (1989)

Visiting Professor  
The University of Melbourne  
(July 1994)

Visiting Professor  
Pompeu Fabra University  
(August 1996 - July 1997)

Visiting Associate Professor  
University of Calgary (1978)

Visiting Associate Professor  
University of Canterbury (1981)

Visiting Professor  
University of New South Wales (1987-88)

Visiting Professor  
IIES  
University of Stockholm (May-June 1992)

Visiting Professor  
University of Konstanz  
(June-July 1995)

Visiting Professor  
Institute for International Integration Studies  
Trinity College Dublin  
(September 2003-July 2004)

### Other

Member, Research Advisory Group  
Royal Commission on the Economic  
Union and Development Prospects for  
Canada, Ottawa (1983-84)

Research Associate  
National Bureau of Economic  
Research (1990-)

Advisory Panelist, Global  
Dimensions of Socio-Legal Studies  
National Science Foundation  
(1991-1992)

Associate Editor  
Review of International Economics  
(1997-2004)

Journal of International Economics  
Associate Editor (85-88, 96-99, 02-)  
Co-Editor (1999-2002)

Research Fellow  
Centre for Economic Policy Research  
London, (1996-2000)

Editorial Board  
Journal of International Economic  
Integration (1992- )

Economic Policy Panel  
Centre for Economic Policy Research  
London, (2000, 2001)

Research Associate  
 Centre for Economics and Business  
 Research, Copenhagen (1999-2004)

Research Associate  
 Institute for International Integration Studies  
 Trinity College Dublin (2004 - )

**Awards/Honors:** Social Sciences Research Professor  
 University of Western Ontario (1986-87)

Boulder Faculty Assembly Research Excellence Award 1997

Jagdish Bhagwati Award, Best Article in the *Journal of International Economics* for the two-year period 1999-2000, given 2001

Stanford Calderwood Teaching Excellence Award, 2003

Included in Web of Science “highly cited” category for economics and business (246 most-cited researchers)

Stanford Calderwood Professor of Economics, 2000-2003

University Distinguished Professor, University of Colorado, 2006-

**Fields of Research and Teaching:**

International Trade and Investment  
 Numerical General Equilibrium Modeling

Microeconomic Theory  
 Regional Economics

**Papers and Publications:**

**(a) Books:**

with D.T. Sheffman. *Speculation and Monopoly in Urban Development*, University of Toronto Press (1977).

with J.R. Melvin. *The Theory of International Trade*, Harper and Row (1987).

*Productivity, Competitiveness, Trade Performance, and Real Income: The Nexus Among Four Concepts*. Economic Council of Canada: Ottawa (1992).

with J.R. Melvin, K. Maskus, and W Kaempfer, *International Trade: Theory and Applications*, McGraw Hill (1995).

*Multinational Firms and the Theory of International Trade*, Cambridge: MIT Press, 2002.

(b) **Refereed Articles**

- "Cooperative Control of International Pollution and Common Property Resources," *Quarterly Journal of Economics* 89 (1975), pp. 618-632.
- "International Externalities and Optimal Tax Structures," *Journal of International Economics* 5 (1975), pp. 15-29.
- "Efficiency Aspects of Profit-Sharing Systems versus Wage Systems," *American Journal of Agricultural Economics* 57 (1975), pp. 601-612.
- "Production and Trade from International Common Proper Resources," *Canadian Journal of Economics* 9 (1976), pp. 309-319.
- "Dividing Ocean Resources: A Development and Application Theory of Factor Transfer," *Economic Record* (1976), pp. 213-227.
- "Profit Sharing, Labour Effort and Optimal Distributive Structures," *Economica* 43 (1976), pp. 405-410.
- with D.T. Scheffman. "The Timing of Residential Land Development: A General Equilibrium Approach," *Journal of Urban Economics* 5 (1978), pp. 411-424.
- with D.T. Scheffman. "Ownership Concentration and Market Power in the Urban Land Market," *Review of Economic Studies* 45 (1978), pp. 519-26.
- with James R. Melvin. "Tariffs, Capital Mobility, and Ownership," *Journal of International Economics* 9 (1979) pp. 395-410.
- "Elements of Real Asset Pricing: A Theoretical Analysis Special Reference to Urban Land Prices," *Land Economics* 55 (1979), pp. 153-166.
- "Personal and Job Characteristics as Determinants of Employee-Firm Contract Structure," *Quarterly Journal of Economics* 93 (1979), pp. 255-279.
- with Arthur Robson. "Simple General Equilibrium and Trade with a Monopsonized Sector," *Canadian Journal of Economics* 13 (1980), pp. 668-682.
- "The Distribution of Gains from Bilateral Tariff Reduction," *Journal of International Economics* 11 (1981), pp. 553-572.
- with James R. Melvin. "Trade, Factor Prices, and the Gains from Trade with Increasing Returns to Scale," *Canadian Journal of Economics* 14 (1981), pp. 450-469.

"Trade and the Gains from Trade with Imperfect Competition," *Journal of International Economics* 11 (1981), pp. 531-551.

Reprinted in Gene Grossman (editor), *Imperfect Competition in International Trade*, MIT Press (1992), 55-74.

with Robert Hyde, "Exploration Versus Extraction Costs as Determinants of Optimal Mineral Rights Leases," *Economic Record* (1982), pp. 224-234.

"The Welfare and Allocative Aspects of Export Taxes versus Marketing Boards," *Journal of Development Economics* 14 (1983), 19-36.

"Factor Movements and Commodity Trade as Complements," *Journal of International Economics* 14 (1983), pp. 341-356.

Reprinted in J. Peter Neary (editor), *International Library of Critical Writings in Economics: International Trade*, Vol. 2, London: Edward Elgar (1995), 311-326.

"Multinationals, Multi-Plant Economies, and the Gains from Trade," *Journal of International Economics* 16 (1984), pp. 205-226.

Reprinted in Jagdish Bhagwati (ed.), *International Trade: Selected Readings*, second edition, MIT Press (1988), 457-498.

Reprinted in Edward E. Leamer (ed.), *Outstanding Contributions in Economics: International Trade*, New York: Worth Press (2001), 361-382.

with Lars Svensson. "Trade in Goods and Factors with International Differences in Technology," *International Economic Review* 26 (1985), pp. 175-192.

with Richard Manning and John McMillan. "Paying for Public Inputs," *American Economic Review* 75 (1985), pp. 228-234.

with Glenn MacDonald. "A Rehabilitation of Absolute Advantage," *Journal of Political Economy* 93 (1985), pp. 277-297.

with Ignatius Horstmann. "Up the Average Cost Curve: Inefficient Entry and the New Protectionism," *Journal of International Economics* 20 (1986), pp. 225-248.

Reprinted in J. Peter Neary (editor) *International Library of Critical Writings in Economics: International Trade*, Vol. 1, London: Edward Elgar (1995), 304-326.

"Explaining the Volume of Trade: An Eclectic Approach," *American Economic Review* 76 (1986), 1002-1011.

with Ignatius Horstmann. "Strategic Investments and the Development of Multinationals," *International Economic Review* 28 (1987), pp. 109-121.

Reprinted in Mark Casson (editor) *Multinational Corporations*, Edward Elgar: Gloucestershire (1990), 126-140.

Reprinted in Melvin Greenhut and George Norman (editors), *The Economics of Location, Vol 3: Spatialmicroeconomics*, London: Edward Elgar (1995), pp. 499-511.

with Ignatius Horstmann. "Licensing Versus Direct Investment: A Model of Internalization by the Multinational Enterprise," *Canadian Journal of Economics* 20 (1987), pp. 464-481.

with Linda Hunter. "Per-Capita Income as a Determinant of Trade," in Robert Feenstra (editor), *Empirical Methods for International Economics*, MIT Press (1988), pp. 89-109.

with Anthony Venables. "Trade Policy with Increasing Returns and Imperfect Competition: Contradictory Results from Competing Assumptions," *Journal of International Economics* 24 (1988), pp. 299-316.

Reprinted in Gene Grossman (editor), *Imperfect Competition in International Trade*, MIT Press (1992), 141-156.

"Production, Trade, and Migration with Differentiated, Skilled Workers," *Canadian Journal of Economics* 21 (1988), pp. 492-506.

with Ignatius Horstmann. "Firm-Specific Assets and the Welfare Effects of Direct Foreign Investment," *Economica* 56 (1989), pp. 41-48.

Reprinted in Peter Buckley (editor), *International Investment*, Edward Elgar: Gloucestershire, (1990), 287-296.

with Randy Wigle, "Nash Equilibrium Tariffs for the U.S. Canada: The Roles of Country Size, Scale Economies, and Capital Mobility," *Journal of Political Economy* 97 (1989), pp. 368-386.

"Trade in Producer Services and in Other Specialized Intermediate Inputs," *American Economic Review* 79 (1989), pp. 85-95.

with Randall Wigle, "Explaining the Volume of North-South Trade," *Economic Journal* 100 (1990), 1206-1215.

Reprinted in Hans Singer, N. Hatti and R. Tandon (eds), *Export Led versus Balanced Growth in the 1990's*, New World Order Series Volume 13, B. K. Publishers: New Delhi (1998), pp. 65-77.

with Albert Schweinberger, "The Positive Theory of Production Externalities under Perfect Competition," *Journal of International Economics* (1990), 29, pp. 69-92.

"Micro-Foundations of External Economies," *Canadian Journal of Economics* 23 (1990), 495-508.

"Derationalizing Tariffs with Specialized Intermediate Inputs and Differentiated Final Goods," *Journal of International Economics* (1990), 28, pp. 375-384.

with Lars Svensson, "Factor Endowments and Trade with Increasing Returns: Generalizations and Extensions," *International Economic Journal* 4 (1990), 1-23.

with Richard Manning, "National Product Functions in Comparative Steady-State Analysis," *International Economic Review* 32 (1991), 613-624.

with Ignatius Horstmann, "Endogenous Market Structures in International Trade," *Journal of International Economics* 32 (1992), 109-129.

Reprinted in J. Peter Neary (editor), *International Library of Critical Writings in Economics: International Trade*, Vol. 2, London: Edward Elgar (1995), 381-401.

with Edward Morey and Nancy Olewiler, "Environmental Policy when Market Structure and Plant Locations are Endogenous", *Journal of Environmental Economics and Management*, 24 (1993), 69-86.

Reprinted in Amitrajeet A. Batabyal and Hamid Beladi (editors), *The Economics of International Trade and the Environment*, Lewis Publishing (2001), 51-66.

with Florencio Lopez-de-Silanes and Thomas Rutherford, "Complementarity and Increasing Returns in Imported Intermediate Inputs", *Journal of Development Economics*, 45 (1994), 101-119.

with Robert Feenstra, "Accounting for Growth with New Inputs: A Monopolistic-Competition Approach". *International Economic Review*, 35 (1994), 429-447.

with Thomas Rutherford, "Discrete Plant-Location Decisions in an Applied General-Equilibrium Model of Trade Liberalization", *Weltwirtschaftliches Archiv* 135 (1994), 133-151.

with Edward Morey and Nancy Olewiler, "Competition in Regional Environmental Policies with Endogenous Plant Location Decisions". *Journal of Public Economics*, 56 (1995), 55-77.

Reprinted in Michael Hoel (editor), *Recent Developments in Environmental Economics*, Gloucestershire: Edward Elgar, 2004, forthcoming.

with Thomas Rutherford and Linda Hunter, "Trade Liberalization in a Multinational-Dominated Industry", *Journal of International Economics* 38 (1995), 95-118.

Reprinted in Thomas Brewer (editor), *Trade and Investment Policy*, Volume 2, Edward Elgar, Gloucestershire, 1999, 285-306.

"The Boundaries of Multinational Enterprises and the Theory of International Trade", *Journal of Economic Perspectives*, 9 (1995), 169-189.

with Ignatius Horstmann, "Exploring New Markets: Direct Investment, Contractual Relations, and the Multinational Enterprise", *International Economic Review* 37 (1996), 1-20.

with Florencio Lopez-de-Silanes and Thomas Rutherford, "Trade Policy Subtleties with Multinational Firms", *European Economic Review* 40 (1996), 1605-1627.

with Wilfred Ethier, "Multinationals, Technical Diffusion, and Trade", *Journal of International Economics* 41 (1996), 1-28.

Reprinted in Rodney E. Falvey and Udo Kreickemeier (editors), *Recent Developments in International Trade Theory*, Gloucester: Edward Elgar, 2005, Chapter 2.

"Costly Pollution Abatement, Competitiveness, and Plant Location Decisions", *Resource and Energy Economics* 19 (1997), 299-320.

with Tony Venables, "The Role of Multinational Firms in the Wage Gap Debate", *Review of International Economics* 5 (1997), 435-451.

Reprinted in David Greenaway and Douglas R. Nelson (editors), *Globalization and Labour Markets*, volume 2, Edward Elgar, Gloucestershire, 2001, 490-506.

with Anthony Venables, "Multinational Firms and the New Trade Theory", *Journal of International Economics* 46 (1998), 183-204.

with Anthony Venables, "Foreign Direct Investment as a Catalyst for Industrial Development", *European Economic Review* 43 (1999), 335-356.

Reprinted in David Greenaway, Holger Görg and Richard Kneller (editors),  
*Globalization and Productivity*, Gloucester: Edward Elgar, forthcoming 2007.

with Kevin Zhang, "Vertical Multinationals and Host-Country Characteristics", *Journal of Development Economics* 59 (1999), 233-252.

with Anthony Venables, "The Theory of Endowment, Intra-Industry, and Multinational Trade",  
*Journal of International Economics* 52 (2000), 209-234.

Reprinted in Peter J. Lloyd and Herbert G. Grubel (editors), *Intra-Industry Trade*,  
 Gloucester: Edward Elgar, 2003, Chapter 25.

Reprinted in Rodney E. Falvey and Udo Kreickemeier (editors), *Recent Developments in  
 International Trade Theory*, Gloucester: Edward Elgar, 2005, Chapter 1.

with David Carr and Keith Maskus, "Estimating the Knowledge-Capital Model of the  
 Multinational Enterprise", *American Economic Review* 91 (2001), 693-708.

"Contracts, Intellectual Property Rights, and Multinational Investment in Developing Countries",  
*Journal of International Economics* 53 (2001), 189-204.

with Robert Feenstra and Andrew Rose, "Using the Gravity Equation to Differentiate among  
 Alternative Theories of Trade", *Canadian Journal of Economics* 34 (2001), 430-447.

"Commitment to Rules on Investment: The Developing Countries' Stake", *Review of  
 International Economics* 9 (2001), 287-302.

with Keith Maskus, "Discriminating among Alternative Theories of the Multinational  
 Enterprise" *Review of International Economics* 10 (2002), 694-707.

with David Carr and Keith Maskus, "Estimating the Knowledge-Capital Model of the  
 Multinational Enterprise: Reply", *American Economic Review* 93 (2003), 995-1001.

"Regional Integration and Third-Country Inward Investment", *Business and Politics* 6 (2004),  
 article 3, 24 pages.

with Ignatius J. Horstmann and Jack Robles, "Multi-issue Bargaining and Linked Agendas:  
 Ricardo Revisited or No Pain No Gain", *Review of International Economics*, 13 (2005),  
 185-204.

with David Tarr and Thomas Rutherford, "Trade and Foreign Direct Investment in Producer  
 Services and the Market for Domestic Expertise", *Canadian Journal of Economics* 38  
 (2005), 758-777.

with Karolina Ekholm and Rikard Forslid, "Export-Platform Foreign Direct Investment", *Journal of the European Economic Association* 5 (2007), 776-795.

with Anthony J. Venables, "Interacting Factor Endowments and Trade Costs: A Multi-Country, Multi-Good Approach to Trade Theory", *Journal of International Economics* 73 (2007), 333-354.

with Natalia Trofimenko, "Teaching the Locals New Tricks: Foreign Experts as a Source of Productivity Transfer", *Journal of Development Economics*, forthcoming 2008.

with Bridget Strand, "Adapting the Knowledge-Capital Model of the Multinational Enterprise to Trade and Investment in Business Services", *World Economy*, forthcoming 2008.

with Bridget Strand, "Trade in Business Services in General Equilibrium", *Journal of Industry Competition and Trade*, forthcoming 2008.

with Edward Balistreri, "Sub-national Differentiation and the Role of the Firm in Optimal International Pricing", *Economic Modeling*, forthcoming, 2009.

(c) **Working Papers**

"Trade versus Investment Liberalization" NBER working paper 6231, 1997.

"Wage Compression and Self-Employment" (with Nikolaj Malchow-Møller and Jan Rose Skaksen), under revision for *Small Business Economics*.

"Foreign Firms, Domestic Wages", with Nikolaj Malchow Møller and Bertel Schjerning, NBER working paper 13001, March 2007.

"Expansion of trade at the extensive margin: welfare and trade-volume consequences", with Tony Venables, January 2008.

"Physical Capital, Knowledge Capital, and the Choice between FDI and Outsourcing", with Yongmin Chen and Ignatius Horstmann, January 2008.

(d) **Research Studies/Non-Refereed Publications**

with D. T. Scheffman. "Ownership Concentration in the Urban Land Market: Theoretical Foundations and Empirical Results," in Smith and Walker (eds.), *Public Property: The Habitat Debate Continued*, The Fraser Institute (1977), pp. 147-167.

with James R. Melvin. "The Gains from Trade Theorem with Increasing Returns to Scale," in

Henryk Kierskowski (editor), *Monopolistic Competition in International Trade*, Oxford University Press (1984), pp. 10-33.

Canadian Gains from Trade in the Presence of Scale Economics and Imperfect Competition," *Canada-United States Free Trade*, Volume 11 of the Report of the Royal Commission on the Economics Union and Development Prospects for Canada, University of Toronto Press (1985).

"Service Trade by the Multinational Enterprise," in Peter Enderwick (ed.), *Multinational Service Firms*, Routledge (1989), pp. 35-60.

*U.S. Canada Free Trade: Effects on Welfare and Sectoral Output/Employment Levels in the Short and Long Run*, U.S. Department of Labor (1987).

"First Mover Advantages, Blockaded Entry, and the Economics of Uneven Development," in Elhanan Helpman and Assaf Razin (editors), *International Trade and Trade Policy*, MIT Press: Cambridge (1991), 245-269.

"The Theory of the Multinational Enterprise: A Common Analytical Framework," in Eric D. Ramstetter (editor), *Direct Foreign Investment in Developing Economies and Structural Change in the Asia-Pacific Region*, Westview: Boulder (1992).

"US-Mexico Free Trade and the North American Auto Industry: Effects on the Spatial Organization of Production of Finished Autos", *The World Economy*, 15 (1992), 65-81.

with James R. Melvin, "Dynamic Non-Substitution and Long-Run Production Possibilities", in Kemp and Long (editors), *Current Issues in International Trade Theory: Papers in Honour of Murray C. Kemp*, Ann Arbor: University of Michigan Press (1993), 51-66.

"Long-Run Production Frontiers for the Jones' Specific-Factors Model with Optimal Capital Accumulation", in Ethier, Helpman, and Neary (editors), *Theory, Policy and Dynamics in International Trade: Essays in Honour of Ronald W. Jones*, London: Cambridge University Press (1993), 252-267.

with Robert Feenstra and William Zeile, "Accounting for Growth with New Inputs: Theory and Evidence", *American Economic Review, Papers and Proceedings*, 82 (1992), 416-421.

with Florencio Lopez-de-Silanes and Thomas Rutherford, "The Auto Industry and the North American Free-Trade Agreement," in Clint Shields and Joseph Francois (editors), *Modelling Trade Policy: AGE Assessments of North American Free Trade*, London: Cambridge University Press (1994), 223-255.

with Mark Cronshaw, "The Theory and Consequences of Results-Oriented Trade Policy", in Deardorff, Levinsohn, and Stern (editors), *New Directions in Trade Theory*, University of

Michigan Press, (1995), 295-326.

with Tony Venables, "The Increased Importance of Direct Investment of North Atlantic Economic Relationships: A Convergence Hypothesis", in Canzoneri, M., W. Ethier, and V. Grilli (editors), *The New Transatlantic Economy*, London: Cambridge University Press (1996), 169-188,

with Thomas Rutherford and Linda Hunter, "North American Free Trade and the Production of Finished Automobiles", in Kehoe, Timothy J. and Patrick J. Kehoe (editors), *Modeling North American Economic Integration*, Boston: Kluwer Academic Publishers (1995), 117-130.

with Thomas Rutherford and Linda Hunter, "El Libre Comercio en America del Norte y la Produccion de Automoviles", *Cuadernos Economicos* 59 (1995), 57-68.

"Multinational Enterprises and Trade Theory", in Daniel H. Pick, Dennis Henderson, Jean D. Kinsey, and Ian Sheldon (editors), *Global Markets for Processed Foods: Theoretical and Practical Issues*, Boulder: Westview Press (1997), 95-120.

"Foreign Direct Investment, Country Characteristics and Lessons for Policy", in *Industrial Competitiveness in the Knowledge-Based Economy*, Paris: OECD (1997).

"Incorporating the Multinational Enterprise into the Theory of International Trade", in Mudambi, Ram and Martin Ricketts (editors), *The Organization of the Firm: International Business Perspectives*, London: Routledge (1998), 79-98.

with Anthony Venables, "The International Transmission of Knowledge by Multinational Firms", in Giorgio Barbo Navaretti (editor), *Creation and Transfer of Knowledge: Institutions and Incentives*, Berlin: Springer Verlag (1998), 253-278.

"Multinational Enterprises and the Theories of Trade and Location", in Pontus Braunerhjelm and Karolina Ekholm (editors), *The Geography of Multinational Firms*, Boston: Kluwer Academic Publishers (1998), 9-31.

"Multinational Firms, Location and Trade", *The World Economy* 21 (1998), 733-756.

Reprinted in Hans Singer, N. Hatti and R. Tandon (eds), *Globalization, Technology and Trade in the 21<sup>st</sup> Century*, New World Order Series Volume 19, B.R. Publishing: New Delhi, 2001, chapter 17.

"Location Choice, Environmental Quality and Public Policy" in Jeroen C.J.M. van den Bergh (editor), *Handbook of Environmental and Resource Economics*, Edward Elgar, 1999, 569-580.

- with Anthony Venables, "Multinational Firms, Skilled Labor and Real Wages", in Richard Baldwin (editor), *Dynamic Issues in Applied Commercial Policy Analysis*, Cambridge University Press, 1999, 138-172. NBER working paper 5483, 1996.
- with Steven Zahniser, "Liberalization and Incentives for Labor Migration: Theory with Applications to NAFTA", in Jaime de Melo, Riccardo Faini and Klaus f. Zimmermann (eds.), *Trade and Factor Mobility*, London: Cambridge University Press, 1999, 263-294, NBER working paper 6232, 1997.
- "Global Investment Liberalization: Effects on Labor and the Location/Agglomeration of High-Tech Activities and Production", in Horst Siebert (editor), *Globalization and Labor*, Kiel: Kiel Institute of World Economics, 1999, 94-107.
- with Keith Maskus, "Multinational Firms: Reconciling Theory and Evidence", in Magnus Blomstrom and Linda Goldberg (editors), *Topics in Empirical International Economics: A Festschrift in Honor of Robert E. Lipsey*, Chicago: University of Chicago Press, 2001, 71-98. NBER working paper 7163, 1999.
- with Mattias Ganslandt, "Standards and Related Regulations in International Trade: A Modelling Approach", in Keith E. Maskus and John Wilson editors), *Quantifying the Impact of Technical Barriers to Trade: Can it be Done?*, Ann Arbor: University of Michigan Press, 2001, 95-135.
- "International Trade Theory and International Business", in Alan Rugman (editor), *Oxford Handbook of International Business*, Oxford: Oxford University Press, 2001, 69-87.
- with Thomas F. Rutherford and David Tarr, "Foreign Direct Investment in Producer Services", in Richard E. Baldwin and Aymo Brunetti (eds.), *Economic Impact of EU Membership on Entrants*, Boston: Kluwer Academic Publishers, 2001, 27-40.
- with Keith Maskus, "A Unified Approach to Intra-Industry Trade and Foreign Direct Investment" in Lloyd, Peter, Herbert Grubel, and Hyun-Hoon Lee (eds.), *The Frontiers of Intra-Industry Trade*, London: Macmillan, 2002, 199-219.
- "Foreign Direct Investment and Trade", in Bijit Bora (editor), *Foreign Direct Investment: Research Issues*, London: Routledge, 2002, 93-112.
- with Keith Maskus, "General-Equilibrium Approaches to the Multinational Firm: A Review of Theory and Evidence", in James Harrigan and Kwan Choi, editors, *Handbook of Empirical International Trade*, 2003.
- with David L. Carr and Keith E. Maskus, "Competition for Multinational Investment in Developing Countries: Human Capital, Infrastructure, Market Size", in Robert E. Baldwin and L. Alan Winters, editors, *Challenges to Globalization*, Chicago: University

of Chicago Press, 2004, 383-409.

“Modeling the offshoring of white-collar services: from comparative advantage to the new theories of trade and FDI”, in S. Lael Brainard and Susan Collins, editors, *Brookings Trade Forum 2005: Offshoring White-Collar Work*, Washington: the Brookings Institution, 2006, 1-34.

with Anders Hoffmann, “Investment Liberalization and the Geography of Firm Location”, in Steven Brakman and Harry Garretsen, editors, *Foreign Direct Investment and the Multinational Enterprise*, Cambridge: the MIT Press, 2008, Chapter 3, 39-66.

with Bridget Strand, “Foreign Manufacturing Affiliates of US Multinationals: Myths and Realities in the Globalization Debate”, in Elias Dinopoulos, Pravin Krishna, Arvind Panagariya, and Kar-yiu Wong editors, *Trade, Globalization and Poverty*, London: Routledge, 2007, Chapter 7, 149-172.

(e) **Book Reviews**

Walter, Ingo, *International Economics of Pollution* in *Journal of International Economics* 8 (1978).

Block and Olsen (eds.), *Rent Control: Myths and Realities* in *Canadian Public Policy* (1981).

Kindleberger, Charles, *Multinational Excursions* in *Journal of International Economics* (1985).

Helpman, Elhanan and Paul Krugman, *Trade Policy and Market Structure* in *Journal of International Economics* (1990).

**Research Grants:**

"Monopoly and Speculation in Urban Land Development" (with D.T. Scheffman), Ontario Economic Council, 1975-1977.

"Ownership Concentration in the Urban Land Market," Federal/Provincial Task Force on the Supply and Price of Serviced Residential Land, 1977.

"Government Ownership of Urban Land," Federal/Provincial Task Force on the Supply and Price of Serviced Residential Land, 1977.

"Increasing Returns to Scale and the Theory of International Trade," Social Sciences and Humanities Research Council of Canada Standard Research Grant, 1979-1981.

"Trade and the Gains from Trade with Increasing Returns to Scale," Social Sciences and Humanities Research Council of Canada Leave Fellowship Grant, 1980-1981.

"Multinational Corporations and the Theory of International Trade," Social Sciences and Humanities Research Council Standard Research Grant, 1983-1986.

"Canadian Gains from Trade in the Presence of Increasing Returns to Scale," Royal Commission on the Economic Union and Development Prospects for Canada, 1983-1984.

"A Multi-Basis-for-Trade Analysis of International Trade," Social Sciences and Humanities Research Council of Canada Standard Research Grant, 1982-1989.

"The Effects of a U.S.-Canada Free-Trade Area: A Computational General Equilibrium Approach," U.S. Department of Labor, 1986.

"Graduate Workshop in International Economics," Sloan Foundation, 1986-1989 (member of a team).

"Canada and the Global Economy," Canadian Donner Foundation, 1986-1989 (member of a team).

"Trade in Producer Services," Institute for Research on Public Policy, 1986-87.

"Knowledge Capital, the Division of Labour, and the Dynamic Gains from Trade and Growth," Social Sciences and Humanities Research Council of Canada, 1989-1990.

"Relationships Between Productivity Growth and Trade Flows," Economic Council of Canada, 1990.

"Trade and Environmental Policies with Internationally Mobile Plants", National Science Foundation, 1991-1993.

"Knowledge Intensive Activities and the Rise of Multinational Firms", National Science Foundation, 1996-1998.

"Economic Theory of International Trade and Firm's Location", Fondazione Eni Enrico Mattei, Milano, 1996.

Special Scholarship from the Government of Spain, 1996-97.

"Multilateral Rules on Direct Investment: the Developing Countries' Stake, The World Bank, 1998.

"Foreign Direct Investment and Trade in Services", The World Bank, 1999.

“Standards and Related Regulations in International Trade: A Modeling Approach”, The World Bank 2000.

“Investment Liberalization and the Geography of Firm Location”, Ministry of Trade and Industry, Denmark, 2000-2001.

“Learning and Wage Compression as Determinants of Entrepreneurship”, Centre for Economic and Business Research, Copenhagen Business School, Denmark, 2002-2005.

“Learning and Knowledge Spillovers from Employment within Multinational Firms”, Centre for Economic and Business Research, Copenhagen Business School, Denmark, 2006.

### **Thesis Committees:**

Bernstein, J., "Essays on the Dynamic Theory of Optimal Policy for an Open Economy," Ph.D., 1975.

Duong, B. T., "Effects of Exchange Rate Changes on Prices, Wages, and Employment in Canada," Ph.D., 1977.

Alam, S., "Welfare Implications of Trade Policies: Three Essays," Ph.D., 1979.

Boamah, D., "Towards an Optimal Cocoa Policy for Ghana," Ph.D., 1980.

Copplestone, Glen H., "Three Essays on the Economics of Oil and Gas," Ph.D., 1983.

Murphy, Brenden, "The Importance of Tariff Policy for Income Distribution," Ph.D., 1982.

Baah Dwomah, "A Model of the Ghanaian Economy," Ph.D., 1983.

Tompkins, Gary, "Energy Prices and Urban Configuration," Ph.D., 1985.

Androkovich, Robert, "Economic Welfare and Contract Structure: The Case of the Southern Alberta Sugar Beet Industry," Ph.D., 1985.

Bridgeman, Guy, "The Theory of International Trade with Quality Differentiated Goods," Ph.D., 1985.

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National Bureau of Economic Research, Princeton University, March 1983.  
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MacDonald Commission, Ottawa, October 1983.  
University of Toronto, Toronto, November 1983.  
Boston College, Boston, November 1983.  
Massachusetts Institute of Technology, Cambridge, Massachusetts, November 1983.  
MacDonald Commission, Ottawa, April 1984.  
Institute for International Economic Studies, Stockholm, May 1984.  
National Bureau of Economic Research, Cambridge, Massachusetts, August 1984.  
International Economics Study Group Conference, Sussex, England, September 1984.  
University of Michigan, Ann Arbor, November 1984.  
University of California/San Diego, San Diego, California, January 1985.  
University of California/Los Angeles, Los Angeles, California, April 1985.  
University of California/Santa Barbara, Santa Barbara, California, April 1985.  
Michigan State University, East Lansing, Michigan, October 1985.  
Joint Canada-Mexico-U.S. Trade Conference, Merida Mexico December 1985.  
Princeton University, Princeton New Jersey, February 1986.  
University of Pennsylvania, Philadelphia, February 1986.  
University of Rochester, Rochester, February 1986.  
National Bureau of Economic Research, Cambridge, Massachusetts, April 1986.  
University College Dublin, Dublin, Ireland, May 1986.  
University of Reading, Reading, England, May 1986.  
Trade and Industrial Organization Conference, University of Toronto, June 1986.  
American Economics Association, New Orleans, December 1986.  
Carleton University, Ottawa, January 1987.  
Trade in Services Conference, Toronto, June 1987.  
East-West Center, Honolulu, Hawaii, July 1987.  
University of New South Wales, Sydney, Australia, August 1987.  
University of Sydney, Sydney, Australia, August 1987.  
Australasian Econometrics Society, Christchurch, New Zealand, September 1987.

Australian Graduate School of Management, Sydney, Australia, October 1987.  
Australian National University, Canberra, Australia, October 1987.  
Conference of the New Zealand Association of Economists, Wellington, New Zealand, 1988.  
Ministry of Trade and Commerce, Wellington, New Zealand, February 1988.  
Sixth Analytical Economics Conference, Australian Graduate School of Economics, Sydney, Australia, February 1988.  
University of Melbourne, Melbourne, Australia, March 1988.  
New South Wales Association of Economists, Sydney, Australia, March 1988.  
University of Waikato, Hamilton, New Zealand, April 1988.  
University of Maryland, College Park, May 1988.  
Sloan Foundation Graduate Institute in International Economics, University of Western Ontario, London, May 1988.  
National Bureau of Economic Research, Cambridge, Massachusetts, August 1988.  
Boston College, Boston, November 1988.  
Pennsylvania State University, State College, Pennsylvania, November 1988.  
State University of New York - Buffalo, Buffalo, New York, November 1988.  
University of Colorado, Boulder, December 1988.  
Institute for Advanced Studies, The Hebrew University, Jerusalem, January 1989.  
Tel Aviv University, Tel Aviv, May 1989.  
Pinhas Sapir International Trade Conference, Tel Aviv, May 1989.  
Institute for International Economic Studies, Stockholm, June 1989.  
Stockholm School of Economics, Stockholm, June 1989.  
European Workshop on International Trade, Bergen, Norway, June 1989.  
National Bureau of Economic Research, Cambridge, August 1989.  
Food Resources Institute, Stanford University, Palo Alto, November 1989.  
University of Toronto, Toronto, January 1990.  
McGill University, Montreal, March 1990.  
Canadian Institute for Advanced Research, Simon Fraser University, Vancouver, January 1990.  
University of Michigan, Ann Arbor, April 1990.  
Northwestern University, Evanston, April 1990.  
El Colegio de Mexico, Mexico City, April 1990.  
National Bureau of Economic Research, Cambridge, August 1990.  
Federal Reserve Bank of Dallas, November, 1990.  
University of Pennsylvania, Philadelphia, November, 1990.

El Colegio de Mexico, Mexico City, January, 1991.  
Federal Reserve Bank of Minneapolis, March, 1991.  
University of Rochester, March, 1991.  
Northwestern University, June, 1991.  
National Bureau of Economic Research, Cambridge, August, 1991.  
Purdue University, West Lafayette, October, 1991.  
Allied Social Sciences, New Orleans (three papers), January 1992.  
United States International Trade Commission, Washington, February 1992.  
Georgetown University, Washington DC, April 1992.  
Institute for International Economic Studies, Stockholm, May 1992.  
Sandham Conference on the Theory of the Firm, Sweden, June 1992.  
National Bureau of Economic Research, Cambridge, August 1992.  
University of Washington, Seattle Washington, October 1992.  
University of British Columbia, Vancouver Canada, October 1992.  
Federal Research Bank of Dallas, Dallas Texas, November 1992.  
National Conference of State Legislatures, New Orleans, December 1992.  
Allied Social Sciences, Anaheim California (2 papers), January 1993.  
University of Chicago, Business School, Chicago, March 1993.  
University of Illinois, Champaign-Urbana, March 1993.  
University of Western Ontario, London, Canada, April 1993.  
University of Nottingham, England, June 1993  
London School of Economics, September 1993  
International Economics Study Group, University of Reading, September 1993  
University of Michigan, November 1993.  
National Bureau of Economic Research, December 1993.  
Conference on Location and Trade, Vigo, Spain, December 1993.  
University of New South Wales, Australia, June 1994.  
Australian National University, July 1994.  
University of Melbourne, July 1994.  
Institute for International Economic Studies, Stockholm, September 1994.  
Stockholm School of Economics, September 1994.  
University of Lund, Sweden, May 1995.  
Copenhagen Business School, Denmark, May 1995.  
University of Konstanz, Germany, May 1995.

Laboratoire D'Economie Quantitative D'Aix-Marseille, France, June 1995.  
Universitat Pompeu Fabra, Barcelona, Spain, June 1995.  
University of Wageningen, The Netherlands, September 1995.  
Erasmus University, The Netherlands, September 1995.  
Fondazione Eni Enrico Mattei, Milano (conference in Rome), September 1995.  
Graduate Institute of International Studies, Geneva, January, 1996.  
Centre for Economic Policy Research Conference, Geneva, January, 1996.  
University of California, Los Angeles, March, 1996.  
Massachusetts Institute of Technology, March, 1996.  
National Bureau of Economic Research, March, 1996.  
The Industrial Institute for Economic and Social Research, Stockholm, May, 1996.  
University of Western Ontario, May 1996.  
University of Konstanz, May 1996.  
University of Glasgow, September 1996.  
London School of Economics, October 1996.  
Universitat Pompeu Fabra, Barcelona, October, 1996.  
Institute of Fiscal Studies, London, November 1996.  
Stockholm School of Economics, December 1996.  
Autonomous University of Barcelona, January 1997.  
CEPR Conference, Venice, January 1997.  
OECD Conference, Stockholm, February 1997.  
Universidad Carlos III, Madrid, March 1997.  
Microeconomics Dept., Budapest University of Economics, April 1997.  
Business Dept., Budapest University of Economics, April 1997.  
Hungarian Academy of Sciences, Budapest, April 1997.  
Rajik College, Budapest, April 1997.  
Fondazione Eni Enrico Mattei, Milan, April 1997.  
Ministry of Business and Industry, Copenhagen, May 1997.  
Copenhagen Business School, May 1997.  
CEPR-NBER conference, Paris, May 1997.  
Asia-Pacific Economic Review Conference, Sydney, Australia, August 1997.  
New York University, October 1997.  
Princeton University, October 1997.  
Federal Reserve Bank of New York, October 1997.

University of Konstanz, Germany, February 1998.  
National Bureau of Economic Research, Cambridge, March 1998.  
University of Texas, Austin, April 1998.  
University of Adelaide, Australia, May 1998.  
Flinders University of South Australia, May 1998.  
Purdue University, June 1998.  
Employers' Institute for Social and Economic Research, Stockholm, June 1998.  
Kiel University, Germany, June 1998.  
Lund University (CEPR conference), Sweden, August 1998.  
University of Oregon, November 1998.  
Institute for International Economic Studies, University of Stockholm, December 1998.  
NBER conference, FRB of New York, December 1998.  
Boston College, March 1999.  
GTAP conference, Assens, Denmark, June 1999.  
ERWIT conference, Bergen Norway, June 1999.  
Graduate Institute of International Studies, Geneva, October 1999.  
University of Lausanne, October 1999.  
Competition Council, Government of Denmark, Copenhagen, November 1999.  
American Economic Association, Boston, January 2000.  
World Bank, Washington, April 2000  
Oxford University, UK, April 2000.  
Ministry of Business and Industry, Copenhagen, June 2000  
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CES, University of Munich, July 2000.  
NBER summer institute, Cambridge, August 2000.  
IUI, Stockholm, October 2000  
Stockholm School of Economics, October 2000  
NBER, Cambridge, March 2001  
IIES, University of Stockholm, April 2001  
IUI, Stockholm, April 2001  
University of Texas, Austin, April 2001  
NOITS conference, Copenhagen, May 2001  
Ministry of Trade and Industry, Copenhagen, May 2001  
University of Leuven, Belgium, October 2001  
Economic Policy Research Unit, University of Copenhagen, May 2002

NBER, Cambridge, August 2002  
CEPR conference, Hydra, Greece, September 2002  
University of Santa Cruz, October 2002  
Michigan State University (Dunnaway memorial lecture), October 2002  
Economic Policy Research Unit, University of Copenhagen, November 2002  
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University of Sydney, Australia, March 2003.  
NOITS Conference, Bergen Norway, May 2003.  
ERWIT Conference, Bern Switzerland, June 2003.  
ETSG Conference, Madrid, Spain, September 2003.  
Trinity College Dublin, Ireland, October 2003.  
European University Institute, Florence Italy, October 2003.  
Research Institute for Industrial Economics, Stockholm Sweden, November 2003.  
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FDI conference, Trinity college Dublin, February 2004  
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Special public lecture, Boston College, March 2004  
Boston College, March 2004  
CERGE Prague, April 2004  
WIIS Vienna, April 2004  
Central Bank of Austria, Vienna, April 2004  
NOITS conference, Copenhagen, May 2004  
DEGIT conference, Reykjavik, June 2004  
NBER summer institute, August 2004  
World Institute of Economics, Kiel Germany, October 2004  
Bhagwati 70<sup>th</sup> birthday conference, University of Florida, January 2005  
The World Bank, May 2005  
The Brookings Institution, Washington, May 2005  
Centre for Economic and Business Research, Copenhagen, May 2005  
ERWIT conference, Rotterdam, June 2005

CESifo conference, Venice, July 2005  
Institute for World Economics, Kiel, January 2006  
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Keynote speaker, trade conference, University of Otago, New Zealand, March 2006  
Research Institute of Industrial Economics, Stockholm, May 2006  
Globalization conference, Trinity College Dublin, July 2006  
Catholique University of Louvain, Belgium, October 2006  
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Lecture series, University of Nottingham, UK, February 2007.  
NBER Cambridge, MA, March 2007  
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Université Paris1, Paris-Sorbonne, Paris, April 2007.  
Special lecture to MA students, Université Paris-Sorbonne, Paris, April 2007.  
Midwest International Trade Meetings, University of Minnesota, April 2007.  
NOITS conference, Stockholm, Sweden, May 2007.  
University of Zurich, Switzerland, June 2007.  
CESifo, Munich, Germany, September 2007.  
ETSG conference, Athens, Greece, September 2007.  
University College Dublin, January 2008  
University of Strathclyde, special lectures, Glasgow, February 2008.  
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