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CURRICULUM VITAE

Name: Joel Mokyr

Address: Department of Economics, Northwestern University  
Evanston, IL 60208

Telephone: (847) 491-5693 (office), (847)679-8687 (home)

Fax: (847)491-7001

E-mail: J-MOKYR@Northwestern.edu

Born: July 26, 1946 (Leyden, the Netherlands)

Citizenship: U.S.

Marital Status: Married (two children)

B.A.: Hebrew University of Jerusalem, 1968 (cum laude)  
Economics and History

M. Phil.: Yale University, 1972. Economics

Ph.D.: Yale University, 1974. Economics

Dissertation Topic: "Industrial Growth and Stagnation in the Low Countries,  
1800-1850." Awarded a Distinction.

Date of Completion: August 1974

Dissertation Committee: William N. Parker (Chairman)  
John C.H. Fei  
Lloyd G. Reynolds

**Employment History and Past Positions:**

Acting Instructor, Yale University, 1972-73

Assistant Professor of Economics, Northwestern University, 1974-77.

Associate Professor of Economics, Northwestern University, 1978-80.

Visiting Associate Professor of Economics, Stanford University, 1979-80.

Professor of Economics, Northwestern University, 1980-1981.

Visiting Associate Professor, Graduate School of Business, University of Chicago, 1981.

Visiting Professor of Economics, Harvard University, 1982-83.

Visiting Professor of Economics, University College of Dublin, Spring 1986.

Visiting Professor of Economics, Hebrew University of Jerusalem, Spring 1993

Professor of Economics and History, Northwestern University, 1981-1994.

John Simon Visiting Professor of History, University of Manchester, April 1996.

Visiting Professor of Economics, University of Tel Aviv, Spring 1997, 2000, 2003, 2008, 2010, 2012

Departmental Chair, Department of Economics, Northwestern University, 1998-2001.

Fellow, Center for Advanced Studies in the Behavioral Sciences, 2001-02.

**Current Positions:**

Robert H. Strotz Professor of Arts and Sciences and Professor of Economics and History, Northwestern University, 1994-present.

Sackler Professorial Fellow, Eitan Berglas School of Economics, University of Tel Aviv, 2001-present

**Special Awards:**

Research Grants from the Concilium on International and Area Studies, 1972-73, 1973-74.

Research Grants, Northwestern University Research Committee, 1975-77.

National Science Foundation Grant, SOC78-06710,  
July 15, 1978 - December 31, 1981.

John Simon Guggenheim Memorial Foundation Fellowship,  
1980-81.

National Science Foundation Grant SES-850004,  
1986-87.

National Science Foundation Grant SES 9122384, 1992-94.

Searle Foundation Grant, 2003-2005.

BSF grant, 2011-2014

**Professional Honors:**

Member, Board of Editors, Explorations in Economic History, 1983-89.

Member, Board of Editors, Journal of Economic History, 1984-90.

Member, Board of Editors, Historical Methods, 1987-1990

Trustee, World Cliometrics Association, 1985-86.

Clio Award for exceptional service to Cliometrics, 1987.

Trustee, Economic History Association, 1989-97

Editor in Chief, Princeton Economic History of the Western World, 1993 - present.

Editor in Chief, Oxford Encyclopedia of Economic History, 1995-2003.

Co-editor, Journal of Economic History, June 1994 - July 1998.

Co-editor, series in economic history, Westview Press, 1995-present

Member, National Science Foundation Advisory Panel for Economics, 1993-95.

Member, American Historical Association Advisory Panel for NASA fellowships, 1994-present

Vice President, Economic History Association, 1993-94.

Member, American Academy of Arts and Sciences, from 1996.

Member, Canadian Institute for Advanced Research, Advisory Committee, Economic growth and Policy Program from 1996.

Chair, Canadian Institute for Advanced Research, Advisory Committee, Institutions and Political Economy group from 2002.

Elected foreign member, Royal Dutch Academy of Sciences (*Koninklijke Nederlandse Academie van Wetenschappen*), 2001.

President, Economic History Association, 2002-2003.

Associate Editor, *European Economic Review*, 2001-2010.

Member, board of associate editors, *Industrial and Corporate Change*.

Member, board of advisory editors, *Economia Politica* (Bologna)

Elected foreign member, Social Science section, *Accademia Nazionale dei Lincei* (Italy), 2004.

Winner, biennial Heineken Prize for History, awarded by the Royal Dutch Academy of Sciences, 2006.

Elected, President, Midwestern Economic Association, 2008-09.

Elected, Fellow, the Cliometric Society, 2010 (first class ever).

Elected, Fellow, Econometric Society, 2011.

Member, selection committee for new fellows, American Academy of Arts and Science (Economics section), 2009, 2014.

Member, Advisory Board, UBS International Center of Economics in Society, University of Zurich, 2014-

Member, Advisory Board, Institute for Advanced Studies, University of Toulouse.

Honorary Member, European Society of the History of Economic Thought (ESHET), 2016

Winner, International Balzan Prize for Economic History, 2015.

President, Atlantic Economic Association (2015-16)

Elected, corresponding member, British Academy, 2016.

Elected, Distinguished Fellow of the American Economic Association, 2018.

Doctorate *honoris causa*, National University of Uruguay, 2018.

Winner, Jonathan Hughes prize for excellence in teaching of economic history, Economic history Association, 2019.

**Professional Activities and Lectures (Selected):**

Chair, program committee, Economic History Association Annual Meeting, 1976.

Local coordinator and program committee co-chairman, first International Congress of Cliometrics, 1984.

Convenor, dissertation session, Economic History Association, 1984.

Invited participant, commentator, and session chairman, Annual Cliometrics Conference (15 times since 1974), Economic History Association meetings (5 times since 1974), Social Science History Association meetings (5 times since 1974), American Economic Association, American Historical Association, All U.C. Conference in Economic History (3 times since 1983).

Invited Participant, Conference in Honor of David Landes, Bellagio, Italy, August 28 - Sept. 2, 1987.

Invited plenary speaker, Economic History Society (Britain) annual convention, Belfast, 1987.

Program Committee (in charge of economic history sessions), Social Science History Association meeting, 1989.

Biannual Davidson Lecture, Australian Economic History Association, Sydney 1990.

Invited speaker, plenary session, Annual Meeting of the Economic History Association, Boulder, Sept. 1991.

Chair, program committee, Annual Meeting of the Economic History Association, Boston, Sept. 1992.

Program Committee Chair and Local Coordinator, Cliometrics Conference, Evanston, May 1993.

Chair and invited commentator, plenary session of "New Approaches to Economic Growth," Economic History Association Meetings, Tucson, Oct. 1993.

Centennial Harold Innis Lectures, University of Toronto, December 1994.

Introductory Plenary Lecture, International Conference on Hunger, New York University, May 19-20, 1995.

Chair, Commentator, and Organizer, AEA session on “New Growth Theory and Economic History: Match or Mismatch?”, January 1996.

John Hicks lecture, Oxford University, May 1996.

Chief Lecturer, European Summer Institute in Economic history, Terme Montecatini, June 1996, Lisbon, July 1999.

Samuel Schrage Memorial Lecture in the History of Science and Technology, University of Illinois, Oct. 1996.

Visiting Fellow, Institute for the Study of economic performance in the long run, Washington University, St Louis, Sept. 1997

C. Woody Thompson Lecture, Midwest Economics Association, March 2000

Romano Lecture, SUNY Binghamton, March 2000

Ida Cordelia Beam Distinguished Lecturer, University of Iowa, May 2000

Invited Visitor, Minerva Center, Hebrew University of Jerusalem, May 2000.

Alice Conner Gorlin Memorial Lecture at Oakland University, April 2001

Simon Kuznets memorial lectures, Yale University, Fall 2001

Keynote speaker, United Nations Experts Meeting Knowledge Systems for Development, Sept. 2003.

Henry George bi-annual lecture, Williams College, Oct. 2003

I.W. Arthur Memorial lecture, Iowa State University, Oct. 2003

Keynote speaker, European Association for Evolutionary and Political Economy, Maastricht, Nov. 2003.

Eitan Berglas annual lecture, University of Tel Aviv, Nov. 2003.

Distinguished annual visitor, Ben Gurion University, Beer Sheva, Israel, May 2004.

Woodward Summer lecturer, University of British Columbia, Aug. 2004.

President’s Distinguished Lecture, University of Vermont, Oct. 2004.

Tore Browald memorial lecture, University of Goteborg, April 2005.

Max Weber Lecture, European University, Fiezoia, March 2007.

Keynote address, European Historical Economics Society, Lund, Sweden, July 2007.

Plenary (final) speaker, World Economic History Congress, Utrecht, August 2009.

Plenary Clio Lecture, Canadian Cliometrics Association, Halifax, NS, Oct. 2009.

Abramovitz Lecture, Stanford University, December 2009.

Shulman Lecture, Yale University, April 2010.

Figuerola Lecture, Madrid, Spain, Oct. 2010.

Schumpeter Lectures (4), Graz, Austria, Nov. 2010.

Eli F. Heckscher lecture, Stockholm, Sept. 2011.

Keynote lecture, Upton Forum, Oct. 2011.

Rogge Lecture, Wabash College, March 2014

Patinkin Lecture, Israeli Association of Economics, May 2014.

Keynote lecture, Illinois Association of Economics, Oct 2014.

Dunaway Lecture, Michigan State University, April 2015

TEC Lecture, Stanford University, May 2015.

Veblen-Clark lecture, Carleton College, May 2015.

“Il Mulino” *Lectio Magistralis*, Bologna, Italy, Oct. 2016.

Keynes Lecture, British Academy, Sept. 2019.

Harris Lecture, Harvard University, Oct. 2019

Clare distinguished Lecture, Clare College, Cambridge UK. Oct 2019

## **Publications:**

### A. Books

1. Industrialization in the Low Countries, 1795-1850 New Haven-London: Yale University Press, 1976.
2. Why Ireland Starved: An Analytical and Quantitative Study of Irish Poverty, 1800-1851. London and Boston: George Allen and Unwin, 1983. (Selected an outstanding publication in economics for 1983 by Choice Magazine). Revised paperback edition, 1985.
3. (ed.) The Economics of the Industrial Revolution. Totowa, N.J.: Rowman and Allanheld, 1985. Reprinted 1989 by Rowman and Littlefield.
4. Twenty Five Centuries of Technological Change: An Historical Survey. A Volume in the Economics of Technological Change Section, edited by F.M. Scherer. Part of the series "Fundamentals of Pure and Applied Economics" edited by Hugo Sonnenschein and Jacques Lesourne. Chur-London-Paris-New York-Melbourne: Harwood Academic Publishers, 1990.
5. (ed.) The Vital One: Essays in Honor of Jonathan Hughes, Greenwood, CT.: JAI Press 1991.
6. The Lever of Riches: Technological Creativity and Economic Progress. New York and London: Oxford University Press, 1990. Co-winner of the International Joseph A. Schumpeter Prize, 1990. Selected editor's choice of recent book of particular interest, New York Times Book Review, Jan. 13, 1991.

Awarded the George Ranki memorial prize of the Economic History Association for the best book in European Economic History, 1992. Spanish translation: *La Palanca de la Riqueza*. Madrid: Alianza Editorial, 1993. Italian translation: *La Leva della Ricchezza*. Bologna, Il Mulino, 1995. Hungarian translation *A gazdagság gépezete*, 2004. Chinese translation, 2008. Russian Translation 2014.

7. (ed.) *The British Industrial Revolution: an Economic Perspective*. Boulder, Westview Press. 1993. Expanded and updated second edition, 1998.
8. *The Gifts of Athena: Historical Origins of the Knowledge Economy*. Princeton: Princeton University Press, 2002. Winner of the Don K. Price Prize for the best book in Technology and Science policy awarded by the American Political Science Association. Chosen as an outstanding academic title for 2003 by *Choice* Magazine. Italian Translation, Il Mulino, 2004. Spanish Translation: in progress. Chinese Translation, 2009. Japanese Translation: in progress by Nagoya University Press. Russian translation 2012. Vietnamese translation: contracted for, 2013.
9. (Editor in chief), *The Oxford University Press Encyclopedia of Economic History*, New York: Oxford University Press , 5 volumes, 2003.
10. (Co-editor), *The Invention of Enterprise: Entrepreneurship from Ancient Mesopotamia to Modern Times* (The Kauffman Foundation Series on Innovation and Entrepreneurship; with William J. Baumol and David S. Landes). Princeton: Princeton University Press, 2009. Winner of the Silver Medal for the best book in entrepreneurship, 4th Annual Axiom Business Book Awards, 2011. Chinese Translation, 2015, China Chitic Press; Turkish translation under contract.
11. *The Enlightened Economy: An Economic History of Britain 1700-1850*. London Yale University Press, 2009. Vol. III in the *Penguin Economic History of Britain*. Russian translation published by the Gaidar Institute for Economic Policy (2016). Chinese translation forthcoming.
12. (Co-editor), *The Birth of Modern Europe: Culture and Economy, 1400-1800: Essays in Honor of Jan de Vries* (with Laura Cruz). Leiden: Brill, 2010.
13. *A Culture of Growth: Origins of the Modern Economy*. Princeton University Press, 2016. Chinese translation contracted for, Renmin University Press. Korean translation contracted for by Eco Livre publishing. French translation contracted for by Gallimard. Italian Translation contracted for by Il Mulino. Croatian translation contracted for by MATE publishing, Zagreb. Selected as one of the Best Books of 2016 by MIT's *Technology Review*. Finalist for the 2017 Hayek Prize, The Manhattan Institute. Honorable Mention for the 2017 PROSE Award in European and World History, Association of American Publishers. Co-winner: Alan Sharlin memorial prize awarded annually for an outstanding book in social science history to honor the memory of Allan Sharlin, awarded by the SSHA.
14. *Economics in the Test of Time: Issues in Economic History* (with Amira Ofer), Tel Aviv: Open University (in press, 2017), in Hebrew, 2 volumes.
15. *Why Britain? A new view of the Industrial Revolution*. With Morgan Kelly and Cormac Ó Gráda, under contract, Princeton University Press.
16. *Two Paths to Prosperity: Culture and Institutions in Europe and China, 1200-2000*. With Avner Greif and Guido Tabellini, under contract, Princeton University Press.

**B. Articles Published or in Press**

1. "The Industrial Revolution in the Low Countries - A Comparative Case Study," Journal of Economic History, June 1974, pp. 365-391. Reprinted in P.K. O'Brien, ed., The Industrial Revolutions in Europe Vol. II, Oxford: Basil Blackwell, 1994, pp. 179-205.
2. "Capital, Labor and the Delay of the Industrial Revolution in the Netherlands," Yearbook of Economic History, (1975), pp. 280-299.
3. "Growing Up and the Industrial Revolution in Europe," Explorations in the Economic History, October 1976, pp. 371-396.
4. "Stagflation in Historical Perspective: the Napoleonic Wars Revisited," in Paul Uselding (ed.), Research in Economic History, Vol. I, (1976), pp. 198-259. (with N. Eugene Savin).
5. "Inflation and the Wage Lag During the American Civil War," Explorations in Economic History, October 1977, pp. 311-336. (with S. DeCanio).
6. "Demand vs. Supply in the Industrial Revolution," Journal of Economic History, December 1977, pp. 981-1008. Reprinted in Joel Mokyr, ed., The Economics of the Industrial Revolution, (Totowa, N.J., 1985), pp. 97-117. Reprinted in Lars Magnusson, ed., Twentieth-Century Economic History: Critical Concepts in Economics. London: Routledge, 2010.
7. "Some Econometric Problems in the Standard of Living Controversy," Journal of European Economic History, Fall/Winter 1978, pp. 517-525. (with N. Eugene Savin).
8. "The Deadly Fungus: An Econometric Investigation Into the Short-Term Demographic Impact of the Irish Famine, 1846-1851," Volume II, Research in Population Economics, (1980), pp. 237-277.
9. "Industrialization and Poverty in Ireland and the Netherlands: Some Notes Toward a Comparative Case-Study," Journal of Interdisciplinary History, Winter 1980, pp. 429-459. Reprinted in *Social Mobility and Modernization*, essays selected from the Journal of Interdisciplinary History, Robert Rotberg ed. Cambridge, MA: MIT Press, 2000, pp. 149-178.
10. "Malthusian Models and Irish History," Journal of Economic History, Winter 1980, pp. 159-166.
11. "Industrialization in Two Languages," Economic History Review, Vol. XXIV, No. 1, February 1981, pp. 143-149.
12. "Irish History with the Potato," Irish Economic and Social History, Vol. VIII (1981), pp. 8-29.
13. "Emigration and Poverty in Prefamine Ireland," Explorations in Economic History, Vol. 19 No. 4, Oct. 1982, pp. 360-384. (with Cormac O'Grada).
14. "Uncertainty and Prefamine Irish Agriculture," presented to the second International Conference on Comparative Scottish-Irish Economic and Social History, Strathclyde, Sept. 1981. In D. Dickson and T.M. Devine, eds., Ireland and Scotland, Economic and Social Developments, 1650-1850, Edinburgh: John Donald, 1983, pp. 89-101.



15. "Peasants, Poverty, and Potatoes: Transactions Costs in Prefamine Ireland," in Gary Saxonhouse and Gavin Wright, eds., Technique, Spirit, and Form in the Making of the Modern Economics Essays in Honor of William N. Parker, Greenwich, CT, JAI Press, 1984, pp. 115-45. (with E. Hoffman).
16. "New Developments in Irish Population History, 1700-1850," Economic History Review, November 1984, pp. 473-488. (with Cormac O'Grada).
17. "Editor's Introduction: The Industrial Revolution and the New Economic History" in Joel Mokyr, ed., The Economics of the Industrial Revolution (Totowa, N.J., 1985), pp. 1-51. Spanish translation with revisions in Revista de Historia Economica (Madrid), Vol. V, No. 2 (Spring 1987), pp. 203-241 and Vol. V, No. 3 (Autumn 1987), pp. 441-482.
18. "Has the Industrial Revolution been Crowded-Out?" Explorations in Economic History, Vol. 24, 1987, pp. 293-319.
19. "Is There Still Life in the Pessimist Case? Consumption During the Industrial Revolution, 1790-1850," Journal of Economic History, March 1988, pp. 69-92.
20. "Poor and Getting Poorer? Irish Living Standards Before the Famine," Economic History Review, May 1988, pp. 209-35 (with Cormac Ó Gráda). Reprinted in Cormac Ó Gráda ed., *Ireland's Great Famine: Interdisciplinary Perspectives*. Dublin: UCD Press, 2006, pp. 24-47.
21. "Dear Labor, Cheap Labor, and the Industrial Revolution," in Patrice Higonnet, David S. Landes, and Henry Rosovsky eds., Favorites of Fortune: Technology, Growth, and Economic Development Since the Industrial Revolution. Cambridge: Harvard University Press., 1991, pp. 177-200.
22. "The Height of Irishmen and Englishmen in the 1770s" Eighteenth Century Ireland, Vol. 4 (1989), pp. 74-83 (with C. O Grada).
23. "Punctuated Equilibria and Technological Progress," American Economic Review, Papers and Proceedings Vol. 80, No. 2 (May 1990), pp. 350-54.
24. "Is Economic Change Optimal?" Australian Economic History Review, Vol. XXXII, No. 1 (March 1992), pp. 3-23.
25. "Evolutionary Biology, Technological Change, and Economic History." Bulletin of Economic Research, Vo. 43, No. 2 (April 1991), pp. 127-49. Reprinted on pp. 471-93 of G. M. Hodgson (ed.) Economics and Biology (Brookfield, VT and Aldershot UK: Edward Elgar, 1993).
26. "Was There a British Industrial Evolution?" in Joel Mokyr, ed., The Vital One: Essays Presented to Jonathan Hughes, Greenwich, CT.: JAI Press, 1991, pp. 253-86.
27. "Dutch Manufacturing and Trade during the French Period (1795-1814) in a long-term Perspective," in Erik Aerts and François Crouzet, eds., Economic Effects of the French Revolutionary and Napoleonic Wars, proceedings of the tenth international economic history congress, Leuven Univ. Press, 1990, pp. 64-78. (with Eric Buyst).
28. "Technological Change, 1700-1830," in Roderick Floud and Donald N. McCloskey, eds., The Economic History of Britain Since 1700, 2nd edition, Cambridge University Press, 1994, Vol. I, pp. 12-43.
29. "The Standard of Living Through the Ages," in Julian Simon, ed., The State of Humanity, Oxford: Blackwell's Press, 1995, pp. 135-147 (with J. Burnette).

30. "The Heights of the British and the Irish c. 1800-1815: Evidence from Recruits to the East India Company's Army," with Cormac Ó Gráda In John Komlos, ed., Stature, Living Standards, and Economic Development: Essays in Anthropometric History. University of Chicago Press, 1994, pp. 39-59.
31. "Technological Inertia in Economic History," Journal of Economic History, Vol. 52 No 2 (June 1992), pp. 325-338. Reprinted in Lars Magnusson, ed., Twentieth-Century Economic History: Critical Concepts in Economics. London: Routledge, 2010.
32. "Progress and Inertia in Technological Change" in Capitalism in Context: Essays in honor of R.M. Hartwell, edited by John James and Mark Thomas. University of Chicago Press, 1994, pp. 230-54.
33. "The New Economic History and the Industrial Revolution" in Joel Mokyr, ed., The British Industrial Revolution: an Economic Perspective. Boulder: Westview Press, 1993, pp. 1-131. Second ed., Boulder: Westview Press, 1999, pp. 1-127. Translated into Italian as "La New Economic History e la rivoluzione industriale", Bologna: Il Mulino, 1997. New edition published (with revisions) in book form as Leggere la Rivoluzione Industriale Bologna: Il Mulino, 2003. Repr. in part in Geoffrey Jones and Daniel Wadhani, eds., Entrepreneurship and Global Capitalism. Cheltenham, UK, Edward Elgar, 2007.
34. "Technological Progress and the Decline of European Mortality," American Economic Review, Papers and Proceedings, Vol. 83 No. 2 (May 1993), pp. 324-31.
35. "Institutions, Technological Creativity, and Economic History," Innovazione e Materie Prime, Vol. I, Nos. 2-3 (1993), pp. 27-42 (in Italian). Reprinted in A. Quadrio Curzio, M. Fortis and R. Zoboli, eds., Innovation, Resources and Economic Growth. Berlin: Springer Verlag, 1994, pp. 39-59 (in English). Reprinted in François Crouzet and Armand Clesse, eds., Leading the World Economically, Amsterdam, Dutch University Press, 2003, pp. 19-37.
36. "Cardwell's Law and the Political Economy of Technological Progress," Research Policy, Vol. 23 (1994), pp. 561-74.
37. "Emigration and Entrepreneurship in the Nineteenth Century U.S.", In Herbert Giersch, ed., Aspects of Internation Migration (with Joseph P. Ferrie). Berlin: Springer Verlag, 1994, pp. 115-138.
38. "Height and Health in the United Kingdom 1815-1860: Evidence from the East India Company Army," with Cormac Ó Gráda, Explorations in Economic History, April 1996, pp. 141-69.
39. "Evolution and Technological Change: a new Metaphor for Economic History?" in Robert Fox, ed., Technological Change London: Harwood publishers, 1996, pp. 63-83.
40. "Urbanization, Technological Progress and Economic History" in Herbert Giersch, ed., Urban Agglomeration and Economic Growth Berlin: Springer Verlag, 1995, pp. 3-37.
41. "Environmental Crises and Technological Change" in Alberto Quadrio Curzio and Roberto Zoboli eds., Science, Economics and Technology for the Environment. Milan: Fondazione Cariplo per la Ricerca Scientifica, 1995, pp. 233-243.
42. "Science, Health and Household Technology: the Effect of the Pasteur Revolution on Consumer Demand," with Rebecca Stein. In *The Economics of New Goods*, edited by Robert J. Gordon and Timothy Bresnahan, Chicago: University of Chicago Press and NBER, 1997, pp. 143-205.
43. "La tecnologia, l'informazione e le famiglie", in Renato Giannetti, ed., *Nel Mito di Prometeo. L'Innovazione Tecnologica dalla Rivoluzione Industriale ad Oggi. Temi, Inventori e Protagonisti dall'Ottocento al Duemila*, Firenze: Ponte alle Grazie, 1996, pp. 147-84. Hebrew Translation in *Riv'on Lecalcala* (Economic Quarterly), Vo. 48, No. 1, April 2001, pp. 7-39.

44. "Il Cambiamento Tecnologico" in Eric Hobsbawm and Paul Bairoch, eds., *Storia d'Europa*, Vol. V, "L'Eta Contemporanea." Torino: Giulio Einaudi Editore, 1996, pp. 271-370.
45. "The Political Economy of Technological Change: Resistance and Innovation in Economic history" in Maxine Berg and Kristin Bruland, eds., *Technological Revolutions in Europe*, Cheltenham: Edward Elgar Publishers, 1998, pp. 39-64.
46. "Innovation and Selection in Evolutionary Models of Technology: Some Definitional Issues" in John Ziman, ed., *Technological Innovation as an Evolutionary Process*. Cambridge: Cambridge University Press, 2000, pp. 52-65.
47. "Innovation and Its Enemies: The Economic and Political Roots of Technological Inertia" in Mancur Olson and Satu Kähkönen, eds., *A Not so Dismal Science*. Oxford: Oxford University Press, 1999, pp. 62-91. Reprinted in Magnus Henrekson and Robin Douhan, eds., *The Political Economy of Entrepreneurship*, Cheltenham, UK: Edward Elgar, 2008, Vol. 2, pp. 269-300.
48. "Invention and Rebellion: Why do Innovations Occur at all? An Evolutionary approach." In Elise Brezis and Peter Temin, eds., *Minorities and Economic Growth*. Amsterdam: Elsevier Publishers, 1999, pp. 179-203.
49. "Induced Technical Innovation and Medical History: an Evolutionary Approach," *Journal of Evolutionary Economics* Vol. 8 (1998), pp. 119-137. Reprinted in Arnulf Grübler, Nebosja Nakicenovic, and William Nordhaus, eds., *Induced Technological change and the Environment*, Berlin: Springer, 2002, pp.40-60.
50. "The Second Industrial Revolution, 1870-1914." in Valerio Castronovo, ed., *Storia dell'economia Mondiale*. Rome: Laterza publishing, 1999, pp. 219-245. Republished, 2009 by "Il Sole 24 Ore."
51. "Why Was There More Work for Mother? Technological Change and the Household, 1880-1930." *Journal of Economic History*, Vol. 60, No. 1 (March 2000), pp. 1-40.
52. "Knowledge, Technology, and Economic Growth During the Industrial Revolution." In Bart Van Ark, Simon K. Kuipers, and Gerard Kuper, eds., *Productivity, Technology and Economic Growth*. The Hague: Kluwert Academic Press, 2000, pp. 253-292.
53. "The Industrial Revolution and the Netherlands: Why did it not happen?" *De Economist* (Amsterdam), Vol. 148, No. 4 (Oct 2000), pp. 503-20.
54. "The Industrial Revolution and the Economic History of Technology: Lessons from the British Experience, 1760-1850." *Quarterly Review of Economics and Finance*, Vol. 41, 2001, pp. 295-311.
55. "The Rise and Fall of the Factory System: Technology, firms, and households since the Industrial Revolution" *Carnegie-Rochester Conference Series on Public Policy*, 55 (December 2001), pp.1-45
56. "Tales of Technology and Evolution: Three Industrial Revolutions" in Benn Steil and David Victor, eds., *Productivity Growth and Technology*. Princeton: Princeton University Press, 2002, pp. 23-46.
57. "Demand as a Factor in the Industrial Revolution: A Historical Note" in Ulrich Witt (ed.), *Escaping Satiation: The Demand Side of Economic Growth*. Berlin: Springer Publ., 2001, pp. 85-96.
58. "Famine Disease and Famine Mortality: Lessons from Ireland, 1845-1850" in Tim Dyson and Cormac Ó Gráda, eds., *The Demography of Famines*. Oxford: Oxford University Press, 2002, pp. 19-43 (with Cormac Ó Gráda).

59. “Why was the Industrial Revolution a European Phenomenon?”, *Supreme Court Economic Review*, Volume 9 Fall 2002, Vol. 10, pp. 27-63.
60. “What do people die of during famines: the Great Irish Famine in comparative perspective” *European Review of Economic History* Vol. 6, 2002, pp. 339-363, with Cormac Ó Gráda. Reprinted in Cormac Ó Gráda ed., *Ireland’s Great Famine: Interdisciplinary Perspectives*. Dublin: UCD Press, 2006, pp. 63-85.
61. “Accounting for the Industrial Revolution,” in Paul Johnson and Roderick Floud, eds., *The Cambridge Economic History of Britain, 1700-2000*, Vol. I, pp. 1-27, Cambridge: Cambridge University Press, 2004.
62. “Useful Knowledge as an Evolving System: the view from Economic history,” in Lawrence E. Blume and Steven N. Durlauf eds., *The Economy as an Evolving Complex System* Vol. III: Current Perspectives and Future Directions, New York: Oxford University Press, 2006, pp. 307-337.
63. “Thinking about Technology and Institutions” presented at the Macalester International College Roundtable, “Prometheus’s Bequest: Technology and Change,” October 2002. *Macalester International*, Volume 13, special issue “Prometheus’s Bequest: Technology and Change. Vol. 13, Summer 2003, pp. 33-66.
64. “Long-term Economic Growth and the History of Technology,” in the *Handbook of Economic Growth*, edited by Philippe Aghion and Steven Durlauf, Amsterdam: Elsevier, 2005, pp. 1113-1180.
65. “The Wondrous Century: Economic growth in Europe in the twentieth century.” *Riv’on Lecalcala (Economics Quarterly)* in Hebrew, Vol. 51, Aug. 2004, pp. 211-227.
66. “Is there a Theory of Economic History?” In Kurt Dopfer, ed., *The Evolutionary Foundations of Economics*. Cambridge: Cambridge University Press, 2005, pp. 195-218.
67. “King Kong and Cold Fusion: Counterfactual analysis and the History of Technology” In Philip Tetlock, Ned Lebow, and Geoffrey Parker, eds., *Unmaking the West: ‘What-if?’ Scenarios that rewrite World History*. Ann Arbor: Michigan University Press, 2006, pp. 277-322.
68. “Mercantilism, the Enlightenment, and the Industrial Revolution,” Presented to the Conference in Honor of Eli F. Heckscher, Stockholm, May 2003, in Ronald Findlay, Rolf Henriksson, Håkan Lindgren and Mats Lundahl (eds), *Eli F. Heckscher (1879-1952): A Celebratory Symposium* Cambridge, MA: MIT Press, 2006, pp. 269-303.
69. “The Intellectual Origins of Modern Economic Growth,” [Presidential address], *Journal of Economic History* Vol. 65, No. 2 (June 2005), pp. 285-351; repr. in Alberto Quadrio Curzio and Marco Fortis, eds., *Research and Technological Innovation: the New Challenge for Europe*. Heidelberg and New York: Physica Verlag, 2005, pp. 17-80 and [in Italian] in Tommaso Detti and Giovanni Gozzini, eds., *La Rivoluzione Industriale tra l’Europa e il Mondo* Milan: Bruno Montadori, 2009, pp. 113–36.
70. “The Great Synergy: the European Enlightenment as a factor in Modern Economic Growth”, in Wilfred Dolfsma and Luc Soete (eds), *Understanding the Dynamics of a Knowledge Economy*. Cheltenham: Edward Elgar (2006), pp. 7-41.
71. “Mobility, Creativity, and Technological Development: David Hume, Immanuel Kant and the Economic Development of Europe”. Prepared for the session on “Creativity and the Economy”, German Association of Philosophy, Berlin, Sept. 18, 2005. In G. Abel, ed., *Kolloquiumsband of the XX. Deutschen Kongresses für Philosophie*, Berlin 2006, pp. 1131-1161.

72. “Understanding Growth in Europe, 1700-1870: Theory and Evidence.” In Steven Broadberry and Kevin O’Rourke, eds., *The Cambridge Economic history of Europe, 1700-1870*. Cambridge: Cambridge University Press, 2009, Vol. 1, pp. 7-42, with Joachim Voth.
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#### D. Shorter Books Reviews and Miscellaneous Publications

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82. Review of John Landers, The Field and the Forge: Population, Production, and Power in the Pre-Industrial West, in *Journal of Interdisciplinary History*, Vol. 36, No. 2, (2005) pp. 246-248.
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84. Review of Cormac Ó Gráda, Richard Paping and Eric Vanhaute (eds), *When the Potato Failed: Causes and Effects of the last European Subsistence Crisis, 1845-1850* (Brepols, 2007), in *Agricultural History*, forthcoming 2009.
85. Review of Jared Diamond and James A. Robinson, eds., *Natural Experiments of History* (Harvard University Press, 2010), in *American Historical Review*, June 2011, pp 752–55.
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88. Review of Prasannan Parthasarathi, *Why Europe Grew Rich and Asia did not: Global Economic Divergence, 1600-1850*. Cambridge: Cambridge University Press , 2011. Reviewed on EH.Net, 2012.
89. Review of Daniel Cohen, *The Prosperity of Vice: a Worried View of Economics* in *Journal of Economic Literature* , 2012 Volume 50, Number 4, December 2012, pp. 1140-1142.
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92. Review of Jack Goody, *Metals, Culture, and Capitalism* in *Journal of Economic History*, Volume 74, Issue 02, June 2014, pp 644-646.
93. Review of Maarten Prak and Jan Luiten van Zanden, eds., *Technology, Skills, and the Pre-Modern Economy in the East and West* in *International Review of Social History*, Vol. 59 (Dec. 2014), pp. 505-508.
94. Review of Calestous Juma, *Innovations and its Enemies: Why People Resist New Technologies* in *Journal of Economic History* Volume 77, Issue 3, September 2017 , pp. 968-970 and EH.Net, 2017.
95. Review of Jared Rubin, *Rulers, Religion, and Riches: Why the West got Rich and the Middle East Did Not*. New York: Cambridge University Press, 2017 Reviewed on EH.Net, 2017.



96. Review of Barbara Hahn, *Technology in the Industrial Revolution*. Cambridge and New York: Cambridge University Press, 2020. *Journal of Economic History* forthcoming.
97. Review of Johan Norberg, *Open: The Story of Human Progress*. London: Atlantic Books, 2020, Reviewed on EH.Net, 2021.

Working and Discussion Papers (unpublished)

1. "Love and Life Among the Potatoes: An Analysis of Demographic and Economic Factors in Prefamine Ireland," unpublished manuscript.
2. "A Statistical Reconstruction of a Pre-industrial Micro-economy," Northwestern University, February 1980. (with Cormac O'Grada). Presented to the Annual Conference of Quantitative History (Cliometrics), May 1980.
3. "The Height of East India Army Recruits, 1800-1815," (with Cormac Ó Gráda) 1985. Presented to the Social Science History Association Meeting, St. Louis, 1985.
4. "The Industrial Revolution and the Modern Economist," presented to plenary meeting of the Economic History Society, Belfast, 1987.
5. "Dutch Manufacturing and Trade during the French Period in a Long-term Perspective." To be presented at the tenth World Congress of Economic History, Leuven, Belgium, Aug. 1990 (with Eric Buyst).
6. "Progress and Inertia in Technological Change," prepared for a special conference in honor of R.M. Hartwell, Charlottesville Oct 12-13, 1990.
7. "Technological Inertia in Economic History" presented to the Annual Meeting of the Economic History Association, Boulder Co., Sept. 1991.
8. "Mortality, Technology, and Economic Growth 1750-1914: A Suggested Reinterpretation." Incomplete Manuscript, 140 pp. as of June 1993.
9. "Evolution and Technological Change: a new Metaphor for Economic History?" Presented to a Conference on "Technological Change," Oxford, Sept. 7-10, 1993.
10. "Technological Selection, Information and Changing Household Behavior, 1850-1914" Presented to a workshop on Technical Change, Garganza, Italy, July 1994. Revised version, Dec. 1994.
11. "Height and health in the United Kingdom 1815-1860: Evidence from the East India Company Army," joint with Cormac Ó Gráda, submitted for publication.
12. "The Most Valuable Invention in History," Lecture 1 in the Harold A. Innes Centenary Lectures, Univ. of Toronto, Dec. 1, 1994.
13. "Technology, Darwin, and the Economists," Lecture 2 in the Harold A. Innes Centenary Lectures, Univ. of Toronto, Dec. 2, 1994.

14. "Famine Disease and Famine Mortality: lessons from the Irish Experience, 1845-1850." Presented to the International Conference on Hunger, Ireland House, New York University, May 19-21, 1995.
15. "Ounces of Prevention: Consumer Demand and the Great Mortality Decline, 1870-1914." Inaugural lecture, Northwestern University College of Arts and Sciences, April 27, 1995.
16. "Innovation and Its Enemies: The Economic and Political Roots of Technological Inertia", Prepared for the NCAER and IRIS conferences on Achieving India's Full Potential, New Delhi-Madras-Calcutta, January 1996.
17. "Induced Technical Innovation and Medical History: an Evolutionary Approach" Presented to the NSF Conference on Induced Innovation, Laxenburg, Austria, June 26-28, 1997.
18. "Darwin and the Wealth of Nations: What can Economists Learn from the Theory of Evolution," Schrage Memorial Lecture, October 1996.
19. "Innovation and Selection in Evolutionary Models of Technology: Some Definitional Issues". Prepared for the Conference on Evolutionary Models in Technology, Jan. 9-12, 1997, Oxford, England. Revised, July 1997.
20. "The Political Economy of Technological Change: Resistance and Innovation in Economic History" presented to a Conference on Technological change, Oslo, Aug. 1996. To be published in 1998.
21. "Invention and Rebellion: Why do Innovations Occur at all? An Evolutionary Approach." Presented to a Conference on Minorities and Economic growth, Bar Ilan University, Israel, June 2-5, 1997.
22. "Induced Technical Innovation and Medical History: an Evolutionary Approach" Presented to the IIASA Conference on Induced Technological change, Vienna, June 27-29, 1997.
23. "Famine Disease and Famine Mortality: lessons from the Irish Experience, 1845-1850" Presented to the World Clio Conference, July 10, 1997, revised Aug. 1999, (with Cormac Ó Gráda).
24. "Science, Technology, and Knowledge: What Historians can learn from an evolutionary approach." *Max Planck Institute on Evolutionary Economics Working Papers* 9803, 1998.
25. "Knowledge, Technology, and Economic Growth During the Industrial Revolution." Unpublished working paper presented to the Conference on Productivity and Standards of living, Groningen, Sept. 1998.
26. "King Kong and Cold Fusion: Counterfactual analysis and the History of Technology" March 1999, rev., June 2000.
27. "Tales of Technology and Evolution: Three Industrial Revolutions."
28. "Useful Knowledge as an Evolving System: the view from Economic history". Presented to the Conference on "The Economy as an Evolving System" in honor of Kenneth J. Arrow, Santa Fe, Nov. 16-18, 2001.
29. "Culture, Selection Criteria, and Economic Performance" Presented at the American Economic Association meetings, Atlanta, Jan. 7, 2002.
30. "Knowing about the Genome: a Historical Perspective." Presented to a Conference on "The Human Genome Project: Expanding the Conversation" (St Louis, Jan. 28, 2002), with Margalit B. Mokyr.

31. "Thinking about Technology and Institutions" presented at the Macalester International College Roundtable, "*Prometheus's Bequest: Technology and Change*," October 2002.
32. "The Enduring Riddle of the *European Miracle*: a Suggested Interpretation" to be presented to an all UC Economic history Conference, Riverside, Nov. 2002.
33. "Mercantilism, the Enlightenment, and the Industrial Revolution," Presented to the Conference in Honor of Eli F. Heckscher, Stockholm, May 2003.
34. "Mobility, Creativity, and Technological Development: a discussion of the Hume-Kant Hypothesis." To be presented to the German Association of Philosophy annual Meeting, Berlin, Sept. 2005.
35. "The Market for Ideas and the Origins of Economic Growth in Eighteenth Century Europe" presented to a Conference on "Institutions and the Economy: Historical Perspectives" sponsored by the British Academy, June 2006.
36. "The Rate and Direction of Invention in the British Industrial Revolution: Incentives and Institutions," with Ralf R. Meisenzahl. Presented to the NBER - Kauffman Foundation conference on the Rate and Direction of Technological change, Dana Pt. CA., July 2009.
37. "The Cultural Origins of the Industrial Revolution." Presented to the World Congress of Economic History, Utrecht, August 2009.
38. "The Mechanics of the Industrial Revolution ." with Morgan Kelly and Cormac Ó Gráda, submitted for publication.
39. "The Wheels of Change: Human Capital, Millwrights, and Industrialization in Eighteenth-Century England" with Assaf Sarid and Karine Vanderbeek, submitted for publication.

**New Courses Developed:**

Economics C-22, "Fact and Theory in Modern Economic History," taught in Winter 1976, Summer and Fall 1976, Winter 1977, and Winter 1978.

Economics C-15, "Classical Problems in Economic History," taught in Winter 1984, 85, 86, 88, 90.

Economics C34, "Business and Government." Taught fall 1991, fall 1992.

History C75, "Technology: Society, History, Economy" developed jointly with Ken Alder, first taught Winter 1994.

History C37: History of Europe, 1815-1945. Taught since 2001.

**Graduate Students supervised (chair or co-chair only):**

John V. Nye, thesis completed in 1985, placed at Washington University (tenured).

Richard Szostak, thesis completed in 1985, placed at the University of Alberta, Edmonton (tenured).

Carolyn Tuttle, thesis completed in 1986, placed at Lake Forest College (tenured)

John F. Hughes, thesis completed in 1986, placed at Drake University (deceased).

Martha W. Williams, thesis completed in 1987, placed at Kent State University.

Akira Motamura, thesis completed in 1992, placed at Stonehill College (tenured).

Avner Greif, thesis completed in 1989, placed at Stanford University (tenured).

Paul Huck, thesis completed in 1992, placed at Wake Forest University, now at the Federal Reserve Bank of Chicago.

Daniel Shiman, thesis completed in 1992, placed at S.U.N.Y., Oswego, now at FCC.

Lynne Kiesling, thesis completed, placed at College of William and Mary, now at Purdue University.

Anand Swamy, thesis completed, placed at Williams College (tenured)

Charles Miles, thesis completed

Joyce Burnette, thesis completed, placed at Wabash College (tenured).

Simone Wegge, thesis completed, placed at SUNY Staten Island (tenured).

Carolyn Moehling, thesis completed, placed at Yale University, tenured at Rutgers University.

Maristella Botticini, thesis completed, placed at Boston University (tenured)

Ben Chabot, thesis completed, placed at the University of Michigan, now at the Federal Reserve of Chicago.

Thomas Geraghty ,thesis completed, placed at University of North Carolina

Oded Bizan, thesis completed, placed at Analytics Consulting.

Peter Meyer, thesis completed, placed at the Bureau of Labor Statistics.

Hillary Lieb, thesis completed, placed at Northwestern.

Jason Long, thesis completed, placed at Colby College, now at Wheaton College (tenured)

James Stewart, thesis completed, placed at Reed College

Mauricio Drelichman, thesis completed, placed at the University of British Columbia (tenured)

Lyndon Moore, thesis completed, placed at Melbourne University (tenured)

Ran Abramitzky, thesis completed, placed at Stanford University (tenured)

Fabio Braggion, thesis completed, placed at the University of Tilburg (tenured)

Jeffrey Wood, in progress, placed at Walgreen Corporation

Kripa Freitas, thesis completed, placed at the University of Texas, Austin.

Marianne Wannamaker, thesis completed, placed at the University of Tennessee (tenured).

John Parman, thesis completed, placed at the College of William and Mary.

Gergely Baics (History department), thesis completed, placed at Barnard College (tenured).

Tuan-Hwee Sng, thesis completed, placed at New University of Singapore ,tenured.

Nicholas Ziebarth, thesis completed, placed at the University of Iowa, now at Auburn, tenured.

Christopher Vickers, thesis completed, placed at Auburn University, tenured.

Yannay Spitzer, thesis completed, placed at the Hebrew University of Jerusalem.

Jose Espin, thesis completed, placed at Yale University.

Anthony Wray, thesis completed, placed at Hitotsubashi University, Tokyo, now at University of Southern Denmark.

Marlous van Waijenburg, in progress (History department), placed at Society of Fellows, University of Michigan, now at Harvard Business School.

Ludovico Zaraga, thesis completed, placed at the Canada Pension Plan Investment Board

Ariell Zimran, thesis completed, placed at Vanderbilt University.

Natalya Naumenko, thesis completed, placed at Brown University now at George Mason University.

Aniket Pajwani, in progress.

Heyu Xiong, thesis completed, placed at Case Western Reserve University

Yiling Zhao, thesis completed placed at Peking University.

Luca Bittarello, thesis completed, placed at Quantco, Cologne, Germany

Riccardo Marchingiglio, thesis completed, placed at Analysis Group.

Yutaro Izumi, thesis completed, placed at the University of Tokyo.

Jamie Daubenspeck, thesis completed, placed at Cornerstone Research.

Michael Porcellachia, in progress.

Brendon Andrews, in progress.

Megumi Murakami, in progress.

Kelly Gail Strada, in progress.

**Graduate Students advised at other Universities**

Jeffrey Tang, University of Pennsylvania

Alessandro Nuvolari, Eindhoven Technological Institute

Arthur Abramov, University of Haifa

Haggay Etkes, Hebrew University of Jerusalem.

Hamza Yilmaz, University of Chicago

Pavel Jelnov, Tel Aviv University

Ron Sarig, Tel Aviv University

James Dowey, LSE

Michael Andrews, University of Iowa

Prateek Raj, University College London