

December 2012

## CURRICULUM VITAE

STEVEN KLEPPER

Department of Social & Decision Sciences  
and Tepper School of Business  
Carnegie Mellon University  
Pittsburgh, PA 15213

### **EDUCATION**

Ph.D. in Economics, Cornell University, 1975  
M.A. in Economics, Cornell University, 1972  
B.A. in Economics, Cornell University, 1970

Fields of Specialization: Industrial Organization, Econometrics, Labor Economics

### **POSITIONS**

Arthur Arton Hamerschlag Professor of Economics and Social Science, Carnegie Mellon University: May 2003-.

Joint appointment with the Tepper School of Business (and the Department of Social & Decision Sciences): Carnegie Mellon University, September 2001-.

Acting Head, Department of Social and Decision Sciences, Carnegie Mellon University: December 1993-May 1995.

Professor of Economics and Social Science, Carnegie Mellon University: 1991-.

Associate Professor of Economics and Social Science, Carnegie Mellon University: 1984-1991.

Assistant Professor of Economics and Social Science, Carnegie Mellon University: 1981-1984.

Visiting Assistant Professor of Economics and Social Science, Carnegie Mellon University: 1980-1981.

Assistant Professor of Economics, State University of New York at Buffalo: 1974-1980.

Courses Taught: Industrial Organization (Graduate and Undergraduate), Causal Modeling (Graduate), Intermediate Microeconomics, Applied Welfare and General Equilibrium Economics, Principles of Economics, Policy Analysis I and II, Empirical Research Methods.

## **EDUCATIONAL HONORS**

Graduate School of Industrial Administration, Lifetime Teaching Award, 2001.

William H. and Frances S. Ryan Award for Meritorious Teaching (University Teaching Award), 1996-1997.

Elliot Dunlap Smith Award for Distinguished Teaching and Educational Service, College of Humanities and Social Sciences, 1984-1985.

SUNY/Buffalo Nominee for the SUNY Chancellor's Award for Excellence in Teaching, 1979-1980.

## **OTHER HONORS**

Runner up for 2012 Best Paper Award, Informs Technology Management Section.

Recipient of the 2011 Global Award for Entrepreneurship Research (€100,000).

Recipient of honorary doctorate (doctor rerum politicarum honoris causa—Dr. ver. Pol h.c.) from the Friedrich Schiller Universität Jena, Jena, Germany, May 28, 2008.

Recipient of the 2002 Schumpeter Prize (€10,000) for "*The Evolution of the U.S. Automobile Industry and Detroit as its Capital.*"

IBM Faculty Partnership Award (\$40,000 per year), 2000 and 2001.

Member, Phi Kappa Phi Honorary Society, 2001-.

## **PROFESSIONAL SERVICE**

Member, Scientific Advisory Committee, DRUID (Danish Research Unit for Industrial Dynamics), 2008-.

Member and chair, Scientific Advisory Committee, the Max Planck Institute of Economics, 2003-.

Organized initial (annual) CCC doctoral colloquium on "R&D, Technological Change, Organizational Structure, and Market Evolution," Carnegie Mellon University, January 1994, organized 2008 doctoral colloquium at Carnegie Mellon University, organized 2009 faculty workshop at Copenhagen Business School, and director of the CCC annual colloquium, 2002-.

Organizer and director of the Carnegie Mellon doctoral program on "Strategy, Entrepreneurship, and Technological Change," 2002-.

Research Associate, ESRC Centre for Research on Innovation and Competition, The University of Manchester, 1997-.

Member of the National Academy panel to Assess the Information Technology R&D Ecosystem, 2006-2008.

Invited Teacher for the Doctoral Program at: Friedrich Schiller Universitat Jena, Jena, Germany, August 2009; Carlos III, Madrid, Spain, 2009; the University of Bocconi, Milan, Italy, 2003, 2005; and the Sant'Anna School, Pisa, Italy, 2001, 2002, 2003.

Invited presenter for the Entrepreneurship School at the Max Planck Institute of Economics, Jena, Germany, Summer 2005.

Faculty panelist, Doctoral Consortium, BPS Division of the Academy of Management, August 1-3, 2003.

Member of the National Academy of Sciences panel to review the collection of R&D data by the National Science Foundation, 2002-2004.

Member, Committee to choose the program for the Strategic Management Society Meetings, 2001.

Member, Economics panel of the National Science Foundation, 1994-1996.

Member, Program Committee, Schumpeter Society Conference of 1996, Stockholm, Sweden, and 2000, Manchester, England.

Member, Prize Committee, Schumpeter Society Conference of 1994, Muenster, Germany, and 2000, Manchester, England, and chair of the Committee, Milan, 2004.

Co-Director, Carnegie Mellon Census Center, 1997-2000.

Editorial positions: Associate Editor, *Strategy, Management Science*, 2003-, Co-editor of the *Journal of Evolutionary Economics*, 1996-2004, Member of the editorial board: *Industrial and Corporate Change*, 2011-, *Economics of Innovation and New Technology*, 1997- , *Empirica*, 1993-2006, *Strategy and Organizations*, 2002-2005, *Law & Society Review*, 1984-1994, *Journal of Criminal Law and Criminology*, 1990-1993, *Small Business Economics*, 1993-1999, Kluwer Academic Publishers Book Series on the Economics of Science, Technology, and Innovation, 1993 -.

Referee for: *Econometrica*, *American Economic Review*, *Journal of Econometrics*, *Journal of Political Economy*, *Rand Journal of Economics*, *Economic Journal*, *Journal of Economic Theory*, *Journal of the American Statistical Association*, *Journal of Public Economics*, *International Economic Review*, *American Sociological Review*, *American Journal of Sociology*, *Law & Society Review*, *Canadian Journal of Statistics*, *Journal of Business and Economic Statistics*, *Journal of Applied Econometrics*, *International Journal of Industrial Organization*, *Journal of Environmental Economics and Management*, *Urban Affairs Quarterly*, *Quarterly Journal of Business and Economics*, *Basic and Applied Social Psychology*, *Economics and Philosophy*, *Journal of Law and*

*Economics, Journal of Law, Economics, and Organization, Empirical Economics, Law and Social Inquiry, Criminology, The Sociological Quarterly, Journal of Industrial Economics, Journal of Criminal Law and Criminology, Management Science, Small Business Economics, Journal of Human Resources, Industrial and Corporate Change, National Tax Journal, Journal of Evolutionary Economics, Journal of Economics and Management Strategy, Research Policy, Review of Economics and Statistics, Journal of Development Economics, Economica, Strategic Management Journal, Journal of Economic Education, Review of Economic Dynamics, Academy of Management Journal, Academy of Management Review, Economic Development and Cultural Change, Industry and Innovation, Strategic Organization, Organization Science, Economics Letters, Journal of Economic Geography, Regional Studies, Economic Geography, and the National Science Foundation (Economics and Law and Society divisions).*

### **EDITED BOOKS**

David B. Audretsch and Steven Klepper, editors, Innovation, Economic Development, and the Evolution of Industry, Volumes I, II, and III, Edgar Elgar International Library of Critical Writings in Economics (includes an introduction by Audretsch and Klepper), Cheltenham, UK: Edgar Elgar Publishing Limited, 2000.

Uwe Cantner, Horst Hanusch, and Steven Klepper, editors, Economic Evolution, Learning, and Complexity, (includes an introduction by Cantner, Hanusch, and Klepper), Heidelberg: Physica-Verlag, 2000.

### **PUBLISHED AND ACCEPTED ARTICLES**

Martin Andersson and Steven Klepper. “*Characteristics and Performance of New Firms and Spinoffs in Sweden*,” forthcoming in Industrial and Corporate Change.

Serguey Braguinsky, Steven Klepper, and Atsushi Ohyama, “*High-Tech Entrepreneurship*,” Journal of Law and Economics, 55(4), November 2012, 869-900.

Peter Roberts, Steven Klepper, and Scott Hayward, “*Founder Backgrounds and the Evolution of Size*,” Industrial and Corporate Change, 20(6), December 2011, 1515-1538.

Steven Klepper, “*Nano-economics, Spinoffs, and the Wealth of Regions*,” Small Business Economics 37(2), September 2011, 141-154.

Guido Buenstorf and Steven Klepper, “*Submarket Dynamics and Innovation: The Case of the U.S. Tire Industry*,” Industrial and Corporate Change 19(5), October 2010, 1563-1587.

Steven Klepper and Peter Thompson, “*Disagreements and Intra-industry Spinoffs*,” International Journal of Industrial Organization 28(5), September 2010, 526-538.

Guido Buenstorf and Steven Klepper, “*Why Does Entry Cluster Geographically? Evidence from the U.S. Tire Industry*,” Journal of Urban Economics 68(2), September 2010, 103-114.

Steven Klepper, “*The Origin and Growth of Industry Clusters: The Making of Silicon Valley and Detroit*,” Journal of Urban Economics 67(1), January 2010, 15-32.

Steven Klepper, “*Spinoffs: a review and synthesis*,” European Management Review 6(3), Autumn 2009, 159-171.

Guido Buenstorf and Steven Klepper, “*Heritage and Agglomeration: The Akron Tire Cluster Revisited*,” Economic Journal 119(537), April 2009, 705-733.

Steven Klepper, “*Silicon Valley—A Chip off the Old Detroit Bloc*,” in Entrepreneurship, Growth, and Public Policy, Zoltan Acs, David B. Audretsch and Robert Strom, eds., Cambridge, England: Cambridge University Press, 2009, 79-115.

Steven Klepper, “*Industry Life Cycles and Market Dominance*,” in Issues in Competition Law and Policy, Wayne Dale Collins, editor, ABA Press, 2008, 695-722.

Steven Klepper and Peter Thompson, “*Submarkets and the Evolution of Market Structure*,” RAND Journal of Economics 37(4), Winter 2006, 861-886.

Steven Klepper, “*The Product Life Cycle*,” The New Palgrave Dictionary of Economics, Second Edition, Steven N. Durlauf and Lawrence E. Blume, eds., London: Palgrave MacMillan Ltd., 2008.

Steven Klepper, “*Disagreements, Spinoffs, and the Evolution of Detroit as the Capital of the U.S. Automobile Industry*,” Management Science 53(4), April 2007, 616-631 (Runner up for 2012 Best Paper Award, Informs Technology Management Section).

Steven Klepper, “*The Organizing and Financing of Innovative Companies in the Evolution of the U.S. Automobile Industry*,” in The Financing of Innovation, Naomi Lamoreaux and Kenneth Sokoloff, eds., Cambridge, MA: MIT Press, 2007, 85-128.

Steven Klepper and Peter Thompson, “*Spinoff Entry in High-tech Industries: Motives and Consequences*,” Perspectives on innovation, Franco Malerba and Stefano Brusoni, eds., Cambridge, England: Cambridge University Press, 2007, 187-218.

Sujoy Chakravarty, Martin Gaynor, Steven Klepper, and William B. Vogt, “*Does the Profit Motive Make Jack Nimble: Ownership Form and the Evolution of the U.S. Hospital Industry*,” Health Economics 15(4), April 2006, 345-361.

Steven Klepper, “*The Evolution of Geographic Structure in New Industries*,” Revue de l’OFCE special issue on industrial dynamics, June 2006, 135-158 (also published in Applied Evolutionary Economics and Economic Geography, Koen Frenken, editor, Cheltenham, UK: Edgar Elgar Publishing Limited, 2007).

Steven Klepper and Sally Sleeper, “*Entry by Spinoffs*,” Management Science 51(8), August 2005, 1291-1306 (reprinted in Innovation and Entrepreneurship, David B. Audretsch, Oliver Falck, and Stephan Heblich, eds., Cheltenham, UK: Edgar Elgar Publishing Limited, 2009).

Steven Klepper and Ken Simons, "*Industry Shakeouts and Technological Change*," International Journal of Industrial Organization 23(1-2), February 2005, 23-43.

Ashish Arora, Alfonso Gambardella, and Steven Klepper, "*Organizational capabilities and the rise of the software industry in the emerging economies: lessons from the history of some US industries*," in From Underdogs to Tigers: The Rise and Growth of the Software Industry in Some Emerging Economies, Ashish Arora and Alfonso Gambardella, eds., Oxford: Oxford University Press, 2005, 171-206.

Steven Klepper, "*Pre-entry Experience and Firm Performance in the Evolution of the U.S. Automobile Industry*," Advances in Strategic Management 21, 2004, 289-315.

Steven Klepper, "*The Capabilities of New Firms and the Evolution of the U.S. Automobile Industry*," Industrial and Corporate Change 11 (4), August 2002, 645-666.

Steven Klepper, "*Firm survival and the evolution of oligopoly*," RAND Journal of Economics 33(1), Spring 2002, 37-61 (reprinted in Recent Developments in Evolutionary Economics, Ulrich Witt, ed., Cheltenham, UK: Edgar Elgar Publishing Limited, 2008).

Steven Klepper, "*Employee Startups in High-tech Industries*," Industrial and Corporate Change 10(3), September 2001, 639-674 (reprinted in Clusters, Networks, and Innovation, Stefano Breschi and Franco Malerba, eds., Oxford: Oxford University Press, 2005).

Daniel Holbrook, Wesley M. Cohen, David A. Hounshell, and Steven Klepper, "*The Nature, Sources, and Consequences of Firm Differences in the Early History of the Semiconductor Industry*," Strategic Management Journal 21 (10-11), October/November 2000, 1017-1041 (reprinted in The SMS Blackwell Handbook of Organizational Capabilities, Constance E. Helfat, editor, Malden, MA: Blackwell, 2003).

Steven Klepper and Kenneth L. Simons, "*Dominance by Birthright: Entry of Prior Radio Producers and Competitive Ramifications in the U.S. Television Receiver Industry*," Strategic Management Journal 21 (10-11), October/November 2000, 997-1016 (reprinted in The SMS Blackwell Handbook of Organizational Capabilities, Constance E. Helfat, editor, Malden, MA: Blackwell, 2003).

Steven Klepper and Kenneth L. Simons, "*The Making of an Oligopoly: Firm Survival and Technological Change in the Evolution of the U.S. Tire Industry*," Journal of Political Economy 108(4), August 2000, 728-760.

Gavin Sinclair, Steven Klepper, and Wesley Cohen, "*What's Experience Got to Do with It? Sources of Cost Reduction in a Large Specialty Chemicals Producer*," Management Science 46(1), January 2000, 28-45.

Steven Klepper and Kenneth L. Simons, "*Technological Extinctions of Industrial Firms: An Inquiry into their Nature and Causes*," Industrial and Corporate Change 6(2), June 1997, 379-460 (reprinted in Innovation, Economic Development, and the Evolution of Industry, Volumes I, Edgar Elgar International Library of Critical Writings

in Economics, David Audretsch and Steven Klepper, eds., Cheltenham, UK: Edgar Elgar Publishing Limited, 2000).

Steven Klepper, "*Industry Life Cycles*," Industrial and Corporate Change 6(1), January 1997, 145-181.

Steven Klepper and Kenneth L. Simons, "*Innovation and Industry Shakeouts*," Business and Economic History 25(1), Fall 1996, 81-89.

Wesley M. Cohen and Steven Klepper, "*A Reprise of Size and R&D*," Economic Journal 106 (437), July 1996, 925-951.

Steven Klepper, "*Entry, Exit, Growth, and Innovation Over the Product life Cycle*," American Economic Review 86(3), June 1996, 562-583 (reprinted in Innovation and Entrepreneurship, David B. Audretsch, Oliver Falck, and Stephan Heblich, eds., Cheltenham, UK: Edgar Elgar Publishing Limited, 2009; The Economics of Entrepreneurship, Simon Parker, ed., Cambridge, UK: Cambridge University Press, 2009; and in Innovation, Economic Development, and the Evolution of Industry, Volume I, Edgar Elgar International Library of Critical Writings in Economics, David Audretsch and Steven Klepper, eds., Cheltenham, UK: Edgar Elgar Publishing Limited, 2000).

Wesley M. Cohen and Steven Klepper, "*Firm Size and the Nature of Innovation within Industries: The Case of Process and Product R&D*," Review of Economics and Statistics 78(2), May 1996, 232-243.

Steven Klepper and John H. Miller, "*Entry, Exit, and Shakeouts in the United States in New Manufactured Products*," International Journal of Industrial Organization 13(4), December 1995, 567-591.

Baruch Fischhoff, Marilyn Jacobs Quadrel, Mark Kamlet, George Loewenstein, Robyn Dawes, Paul Fischbeck, Steven Klepper, Jonathan Leland, and Patrick Stroh, "*Embedding Effects: Stimulus Representation and Response Mode*," Journal of Risk and Uncertainty 6(3), June 1993, 211-234.

Steven Klepper, Mark Kamlet, and Richard Frank, "*Regression Diagnostics for the Errors-in-Variables Model -- An Application to the Health Effects of Pollution*," Journal of Environmental Economics and Management 24(3), May 1993, 190-211.

Wesley M. Cohen and Steven Klepper, "*The Anatomy of Industry R&D Intensity Distributions*," American Economic Review 82(4), September 1992, 773-799 (reprinted in Innovation, Economic Development, and the Evolution of Industry, Volume I, Edgar Elgar International Library of Critical Writings in Economics, David Audretsch and Steven Klepper, eds., Cheltenham, UK: Edgar Elgar Publishing Limited, 2000).

Steven Klepper, Daniel Nagin, and Stephen Spurr, "*The Effects of Tax Rates on the Reporting of Long-term Capital Gains*," Public Finance 46(2), 1991, 236-251.

Wesley M. Cohen and Steven Klepper, "*Firm Size Versus Diversity in the Achievement of Technological Advance*," Journal of Small Business Economics 4(1), March 1992, 1-14, and in Innovation and Technical Change, edited by: Z. Acs and D. Audretsch, Harvester Wheatsheaf, New York, 1991 (also reprinted in Innovation, Economic Development, and the Evolution of Industry, Volume III, Edgar Elgar International Library of Critical Writings in Economics, David Audretsch and Steven Klepper, eds., Cheltenham, UK: Edgar Elgar Publishing Limited, 2000).

Steven Klepper, Mark Mazur, and Daniel Nagin, "*Expert Intermediaries and Legal Compliance: The Case of Tax Preparers*," Journal of Law and Economics 34(1), April 1991, 205-229.

Steven Klepper, "*The Development of the Urban Infrastructure*," in Le Genie Urbain: Quels Acteurs Demain, Actes Du Séminaire International De Lyon, 1989, 81-86.

Steven Klepper and Elizabeth Graddy, "*The Evolution of New Industries and the Determinants of Market Structure*," RAND Journal of Economics 21(1), Spring 1990, 27-44 (reprinted in Innovation, Economic Development, and the Evolution of Industry, Volume III, Edgar Elgar International Library of Critical Writings in Economics, David Audretsch and Steven Klepper, eds., Cheltenham, UK: Edgar Elgar Publishing Limited, 2000).

Steven Klepper and Daniel Nagin, "*The Deterrent Effect of Perceived Certainty and Severity of Punishment Revisited*," Criminology 27(4), November 1989, 721-746.

Steven Klepper and Daniel Nagin, "*The Role of Tax Practitioners in Tax Compliance*," Policy Sciences 22(2), May 1989, 167-194.

Steven Klepper and Daniel Nagin, "*Tax Compliance and Perceptions of the Risk of Detection and Criminal Prosecution*," Law and Society Review 23(2), 1989, 209-240.

Steven Klepper and Daniel Nagin, "*The Anatomy of Tax Evasion*," Journal of Law, Economics, and Organization 5(1), Spring 1989, 1-24.

Steven Klepper and Daniel Nagin, "*The Criminal Deterrence Literature: Implications for Research on Taxpayer Compliance*," in Paying Taxes: An Agenda For Compliance Research, J. T. Scholz, J. A. Roth, and A. D. Witte, eds., Philadelphia: University of Pennsylvania Press, 1989.

Richard R. Lau and Steven Klepper, "*The Development of Health Related Beliefs and Behaviors: Children Aged 6-12*," Journal of Health and Social Behavior 31(3), June 1988, 149-168.

Steven Klepper, "*Bounding The Effects of Measurement Error in Regressions Involving Dichotomous Variables*," Journal of Econometrics 37(3), March 1988, 343-359.

Steven Klepper, "*Regressor Diagnostics for the Classical Errors-in-Variables Model*," Journal of Econometrics 37(2), February 1988, 225-250.



Steven Klepper, "*Robotics Collaborations Involving U.S. Firms*," in International Collaborative Ventures in U.S. Manufacturing, David Mowery, editor, Cambridge, MA.: Ballinger, 1988, 223-265.

Steven Klepper and Mark S. Kamlet, "*Applying Regressor Diagnostics for the Errors-In-Variables Model*," 1987 Proceedings of the American Statistical Association, 95-100.

Steven Klepper and David C. Stapleton, "*Consistent Sets of Estimates for Restricted Regressions with Errors in All Variables*," International Economic Review 28(2), June 1987, 445-457.

Steven Klepper, "*On The Use Of Better Measured Proxies In Regression Analysis*," Economics Letters 20(2), 1986, 133-137.

Steven Garber and Steven Klepper, "*Relative Price Changes in Recession: A Microeconomic Analysis of U.S. Manufacturing*," the International Economic Review 27(1), February 1986, 187-208.

Charles Jacobson, Steven Klepper, and Joel Tarr, "*Water, Electricity and Cable Television: A Study of Contrasting Historical Patterns of Ownership and Regulation*," Urban Resources 3, Fall 1985, 9-18. (Translated into French and published in Resaux territoriaux, Caen, France: Paradigme, 1988, 105-139).

Mark Kamlet, Steven Klepper, and Richard Frank, "*Mixing Micro and Macro Data: Statistical Issues and Implications for Data Collection and Reporting*," Proceedings of the 1985 Public Health Conference on Records and Statistics, December 1985, 231-235.

Richard Frank, Mark Kamlet, and Steven Klepper, "*The Impact of Occupational Exposure to Toxic Materials on Prevalence of Chronic Illness*," Proceedings of the 1985 Public Health Conference on Records and Statistics, December 1985, 59-63.

Steven Klepper and Edward Leamer, "*Consistent Sets of Estimates For Regressions with Errors in All Variables*," Econometrica 52(1), January 1984, 163-183.

Steven Garber, Steven Klepper, and Daniel Nagin, "*The Role of Extralegal Factors in Determining Criminal Case Disposition: Toward More Reliable Statistical Inference*," in Research on Sentencing: The Search for Reform, Volume 2, Alfred Blumstein, Jacqueline Cohen, Susan Martin, and Michael Tonry, eds., Washington, D.C.: National Academy Press, 1983, 129-182.

Steven Klepper, Daniel Nagin, and Luke Tierney, "*Discrimination in the Criminal Justice System: A Critical Appraisal of the Literature and Suggestions for Future Research*," in Research on Sentencing: The Search for Reform, Volume 2, Alfred Blumstein, Jacqueline Cohen, Susan Martin, and Michael Tonry, eds., Washington, D. C.: National Academy Press, 1983, 55-128.

Michael Gort and Steven Klepper, "*Time Paths in the Diffusion of Product Innovations*," Economic Journal 92(367), September 1982, 630-653.

Steven Garber and Steven Klepper, "Specification Analysis with Discriminating Priors: An Application to the Concentration Profits Debate: Comment," Econometric Reviews 1(1), 1982, 133-136.

Dale J. Poirer and Steven Klepper, "Model Occurrence and Model Selection in Panel Data Sets," Journal of Econometrics 17(3), December 1981, 333-350.

Steven Garber and Steven Klepper, "On the Diffusion of Inconsistencies in Linear Regression," Economics Letters 6(2), December 1980, 125-129.

Steven Garber and Steven Klepper, "Extending the Classical Normal Errors-in-Variables Model," Econometrica 48(6), September 1980, 1541-1546.

Steven Garber and Steven Klepper, "'Administered Pricing' or Competition Coupled with Errors of Measurement?," International Economic Review 21(2), June 1980, 413-435.

## **OTHER PUBLICATIONS**

Steven Klepper and Franco Malerba, "Demand, innovation, and industrial dynamics: an introduction," Industrial and Corporate Change 19(5), October 2010, 1563-1587.

Steven Klepper, "A Shop Floor View of Growth in Turn-of-the-century Cleveland," Capitalism and Society 1(3), December 2006.

Uwe Cantner, Horst Hanusch, and Steven Klepper, "Economic Evolution, Learning, and Complexity," Journal of Evolutionary Economics 9(1), February 1999, 1-4, (introduction to a special issue edited by Uwe Cantner, Horst Hanusch, and Steven Klepper).

Steven Klepper, "Technological Change in The Lean and Mean Era," Journal of Small Business Economics 7(5), October 1995, 341-344.

Steven Klepper, "Review of The Dynamics of Company Profits," Dennis Mueller, editor, Journal of Evolutionary Economics 3, February 1993, 79-84.

## **WORKING PAPERS**

Cristobal Cheyre, Steven Klepper, and Francisco Veloso, "Spinoffs and the Mobility of US Merchant Semiconductor Inventors," December 2010.

Cristina Carias and Steven Klepper, "Entrepreneurship, the Initial Labor Force, and the Location of New Firms," February 2010.

Romel Mostafa and Steven Klepper, "Industrial Development through Tacit Knowledge Seeding: Evidence from the Bangladesh Garment Industry," November 2009.

Ajay Bhaskarabhatla and Steven Klepper, "*Submarkets, Industry Dynamics, and the Evolution of the U.S. Laser Industry*," October 2008.

Michael Dahl and Steven Klepper, "*Whom Do New Firms Hire*," September 2007.

Steven Klepper, "*The Geography of Organizational Knowledge*," January 2003.

## **CONFERENCE ORGANIZATION AND INVITED PRESENTATIONS**

"*Nano-economics and the Wealth of Regions*," Ministry of Enterprise, Communications, and Energy, Stockholm, Sweden, June 2011, Conference of the International Council of Small Business, Stockholm, Sweden, June 2011, Linköping University, Linköping, Sweden, June 2011, University of Gothenburg, School of Business, Economics, and Law, Gothenburg, Sweden, June 2011.

"*Industrial Development through Tacit Seeding: Evidence from the Bangladesh Cotton Garment Industry*," London School of Economics, February 2011.

"*Writing a Popular Book on Industrial Dynamics*," presentation at the London School of Economics, February 2011.

"*Entrepreneurship, Spinoffs, and Industry Agglomerations*," International Schumpeter Society Meetings, Aalborg, Denmark, June 2010, DIME-HIPO workshop on Industrial Dynamics and Economic Geography, Utrecht, Netherlands, September 2010.

"*How Detroit Became the Capital of the U.S. Automobile Industry*," *Workshop on Industry Evolution and Business History*, Trinity College Dublin, March 2010.

"*Spinoffs*," London Business School, March 2010.

"*Entrepreneurship, the Initial Labor Force, and the Location of New Firms*," Dartmouth, January 2010, University of Maryland, March 2010, Duke, April 2010, Wharton, October 2010.

"*The Origin and Growth of Industry Clusters: The Making of Silicon Valley and Detroit*," *Frontiers of Entrepreneurship Research*, Lisbon, Portugal, January 2009, Penn State University, April 2009, NBER Conference on Urban Economics and Entrepreneurship, May 2009, Friedrich Schiller Universität Jena, Jena, Germany, August 2009, *Workshop on Industrial Dynamics and Growth*, Centre d'Économie de la Sorbonne, Paris, January 2011.

"*The Schumpeterian Entrepreneur is Alive and Well*," *Roundtable for Engineering Entrepreneurship Research*, Georgia Tech, November 2008, *Frontiers of Entrepreneurship Research*, Lisbon, Portugal, January 2009.

Discussant for "*Entrepreneurial Spawning of Scientists and Engineers: Stars, Slugs, and the Small Firm Effect*," *Roundtable for Engineering Entrepreneurship Research*, Georgia Tech, November 2008.

*“Submarkets, Industry Dynamics, and the Evolution of the U.S. Laser Industry,”* Conference on Demand, Innovation, and Industrial Dynamics, University of Bocconi, October 2008, Rensselaer Polytechnic Institute, October 2008, University of Toronto, November 2008, European Meeting on Applied Evolutionary Economics, Jena, Germany, May 2009, Laser Workshop, Max Planck Institute of Economics, May 2009.

*“Nanoeconomics and the Growth of Regions,”* Charles River Distinguished Speaker Series on Technology and Innovation, Harvard Business School, May 2008, Keynote address of the DRUID summer conference (under the title, Intra-industry Spinoffs and the Formation of Clusters), June 2008.

*“Whom Do New Firms Hire?”* University of Indiana, November 2007, Universidade Catolica Portuguesa, November 2007.

*“Spinoffs—Research Opportunities,”* Workshop on Strategy, Industry and Innovation, IMT Lucca Institute for Advanced Studies, Lucca, Italy, June 2007.

*“Entry and Entrants in Innovative New Industries,”* Geroski Lecture, British Monopolies Commission, London, June 2007, Lisbon Research and Policy Workshops on Science, Technology and Social Change, Lisbon, July 2007, Honorary degree ceremony at the Friedrich Schiller University of Jena, May 2008.

*“Agglomerations & Spinoffs,”* Conference on Knowledge Based Entrepreneurship, Innovation, Networks, and Systems, University of Bocconi, Milan, June 2007.

*“Spinoffs and Turnover of Leaders,”* Harvard Business School Strategy Conference, October 2006.

*“Intra-industry Spinoffs,”* MIT Sloan School, February 2006, Harvard Business School, March 2006, Max Planck India Workshop on Entrepreneurship, Innovation, and Growth, Bangalore, India, March 2006, Max-Planck Institute-Kauffman Foundation Conference on Entrepreneurship and Economic Growth, Ringberg, Germany, May 2006, Technical University of Portugal, May 2006, Clarence Tow Conference on Industrial Organization, University of Iowa, June 2006, Conference on the Evolution of Ideas in Innovation and Entrepreneurship, Washington University, June 2006, University of California at Berkeley, October 2006, Roundtable for Engineering Entrepreneurship Research, Georgia Tech, December 2006, Conference on Dynamic Models of Industry Evolution, University of Toronto, May 2007, Entrepreneurship Workshop, University of Michigan, June 2007, Max Planck Institute of Economics, Jena, Germany, May 2008.

*“Why Does Entry Cluster in Agglomerated Regions? Evidence from the U.S. Tire Industry,”* Breaking Boundaries—Next Generation Inaugural Conference on Entrepreneurship, London Business School, May 2006.

*“Entrepreneurship, Geography, and the Origin of Entrants,”* NYU Stern School of Business, September 2004, University of Bocconi, Milan, June 2005, University of Maryland, September 2005, Wharton, October 2005, Washington University, November 2005, University of Michigan, November 2005.

*"The Origin and Location of Entrants in the Evolution of the U.S. Tire Industry,"* International J.A. Schumpeter Society Conference, Milan, Italy, June 2004.

*"Submarkets and the Evolution of Market Structure,"* Sant'Anna School, Pisa, Italy, May 2003, Wharton, Sidfest, October 2003.

*"Industrial Evolution and the Geographical Distribution of Activity: Lessons from the US Automobile, Television, and Laser Industries,"* Workshop on Globalization, High Tech Growth and R&D Policy: Comparative Research on the Emergence and Development of Companies and Clusters, Hebrew University, Israel, Dec. 8-10, 2002.

*"The Geography of Organizational Knowledge,"* Dartmouth, Tuck Business School, November 2002, National Bureau of Economic Research, Entrepreneurship Meeting, February 2003, University of Maryland, February 2003, Bocconi University, February 2003, Duke University, March 2003, NYU Stern School of Business, March 2003, University of Wisconsin, April 2003, Northwestern University, April 2003, Academy of Management Meetings, Seattle, August 2003, Harvard Business School, November 2003, Emory University, January 2004, University of Southern California, February 2004, UCLA, February 2004, Case-Western Reserve University, April 2004, Stanford University, February 2005, European Meeting on Applied Evolutionary Economics, Utrecht, Holland, May 2005, Bradley University, March 2006 (Douglas Y Thorson Visiting Economist Series), University of California at Berkeley, February 2007, Harvard University, September 2007.

*"The Evolution of the U.S. Automobile Industry and Detroit as its Capital,"* Wharton, September 2001, University of Toronto, November 2001, Druid Winter Meetings, Aalborg, Denmark, January 2002, International J.A. Schumpeter Society Conference, Gainesville, FL, March 2002, Sant'Anna School, Pisa, Italy, May 2002, Friedrich-Schiller University, Jena, Germany, July 2002, Academy of Management Meetings, Denver, CO, August 2002, ZEW Conference on The Economics of Entrepreneurship and the Demography of Firms and Industries, Mannheim, Germany, October 2002, International Workshop on the Post-entry Performance of Firms: Technology, Growth, and Survival, University of Bologna, Italy, November 2002.

*"Firm Capabilities and Industry Evolution: The Case of the U.S. Automobile Industry,"* Druid Summer Meetings, Aalborg, Denmark, June 2001.

*"Entry by Spinoffs,"* Nelson Fest, New York, October 2000, Columbia University Business School, January 2001, Harvard Business School, March 2001, Center for Economic Studies, U.S. Bureau of the Census, March 2001, Sant'Anna School, Pisa, Italy, May 2001, Bocconi University, Milan, Italy, May 2001, Antitrust Division of the Department of Justice, Washington, D.C., May 2001, Max-Planck Institute, Jena, Germany, June 2002.

*"Dominance by Birthright: Entry of Prior Radio Producers and Competitive Ramifications in the U.S. Television Receiver Industry,"* Conference on the Evolution of Firm Capabilities, Dartmouth, Hanover, NH, September 1999, International J.A. Schumpeter Society Conference, Manchester, England, June/July 2000.

*"The Nature, Sources, and Consequences of Firm Differences in the Early History of the Semiconductor Industry,"* Conference on the Evolution of Firm Capabilities, Dartmouth, Hanover, NH, September 1999.

*"Industry Shakeouts and Technological Change,"* European Meeting on Applied Evolutionary Economics, Grenoble, France, June 1999.

*"The Birth and Evolution of Industries: Shakeouts and Structural Shifts,"* Conference on the Economics of Market Structure, London School of Economics, May 1999.

*"Firm Survival and the Evolution of Oligopoly,"* University of Vienna June 1998, University of Houston, Department of Economics, September 1998, Columbia University, October 1999, Wharton, October 1999, Center for Economic Studies, U.S. Bureau of the Census, December 1999, Harvard-MIT Joint Seminar, March 2000, Florida International University, March 2000, IBM Research Laboratory, Yorktown Heights, NY, April 2000.

*"The Making of an Oligopoly: Firm Survival and Technological Change in the Evolution of the U.S. Tire Industry,"* Wharton, March 1997, University of Michigan Business School, April 1997, Humboldt University, Berlin, May 1997, Workshop on Economic Evolution, Learning and Complexity--Econometric, Experimental and Simulation Approaches, Augsburg, Germany, May 1997, University of Augsburg, Augsburg, Germany, May 1997, Conference on Industrial Demographics, Erasmus University, Rotterdam, August 1997, University of Florida, March 1998, International J. A. Schumpeter Society Conference Vienna, Austria, June 1998.

*"Innovation and Industry Shakeouts,"* Business History Conference, Columbus, March, 1996.

*"Evolution, Market Concentration, and Survival,"* Wissenschaftszentrum Berlin, January 1995, Conference on "Dynamics of Employment and Industry Evolution," Mannheim, January 1995, Harvard Business School, February 1995, University of Bocconi, June 1995, Stern School of Business, NYU, October 1995, Columbia University, April 1996, International J. A. Schumpeter Society Conference of Stockholm, Sweden, June 1996.

*"Is There Such a Thing as a Product Life Cycle,"* Workshop on Technological Regimes, Industrial Demography and the Evolution of Industrial Structures, IIASA, Vienna, July 1994.

*"Entry, Exit, and Shakeouts in the United States in New Manufactured Products,"* Conference on the Post-Entry Performance of Firms, Banco de Portugal, Portugal, May 1994.

*"Technological Change and Industry Shakeouts,"* Conference on Global Markets and Corporate Structure, Wissenschaftszentrum Berlin, October 1993, Conference on Productivity, R&D, and Innovation at the Firm Level, ZEW, Mannheim, June 1994, International J. A. Schumpeter Society Conference of Munster, Germany, August 1994, Third Global Workshop on Small Business Economics, Rotterdam, August 1994.

*"Entry, Exit, and Innovation Over the Product life Cycle: The Dynamics of First Mover Advantages, Declining Product Innovation, and Market Failure,"* International J. A. Schumpeter Society Conference of Kyoto, Japan, August 1992, Conference on Market Processes and the Dynamics of Corporate Networks, Wissenschaftszentrum Berlin, November 1992, The University of Maryland, February 1993, the University of California at Berkeley, April 1993, Penn State University, April 1994, London School of Economics, April 1994.

*"Firm Size and the Nature of Innovation within Industries: The Case of Process and Product R&D,"* International J. A. Schumpeter Society Conference of Kyoto, Japan, August 1992, the Meetings of the American Economic Association, January 1993.

*"A Reprise of Size and R&D,"* Summer Conference on Industrial Organization, Strategic Management, and International Competitiveness, University of British Columbia, June 1991, the Productivity Workshop of the National Bureau of Economic Research, December 1992, Columbia University, March 1993.

*"The Evolution of the Robotics Industry,"* Conference on Technology Management Strategies for the Global Enterprise, Case Western Reserve University, May 1991.

*"R&D Intensity Distributions and the Random Character of Innovative Effort,"* Conference on Innovation and Technological Change, Wissenschaftszentrum Berlin, 1989, International J. A. Schumpeter Society Meeting, Airlie House, Virginia, 1990.

*"The Development of the Urban Infrastructure,"* the International Workshop on Urban Utilities and Infrastructure Management: Who Will Hold Tomorrow's Key Roles in Europe and Worldwide?, Lyons, France, 1989.

*"Tax Compliance and Driving While Under the Influence of Alcohol: A Comparison of Risk Perceptions and Behavioral Intentions,"* The Law and Society Meetings, Madison, 1989.

*"The Deterrent Effect of Perceived Certainty and Severity of Punishment Revisited,"* Law and Society Meetings, Madison, 1989.

*"Expert Intermediaries and Legal Compliance: The Case of Tax Preparers,"* University of California at Berkeley, Law and Society Meetings, Vail, 1988.

*"The Anatomy of Tax Evasion,"* Meetings of the American Society of Criminology, Montreal, November 1987.

*"Regressor Diagnostics for the Errors-in-Variables Model--An Application to the Health Effects of Pollution,"* Meetings of the American Statistical Association, San Francisco, August 1987, Yale University, November 1987.

*"Mixing Micro and Macro Data Sets,"* Meetings of the American Statistical Association, San Francisco, August 1987.

*"The Role of Tax Practitioners in Tax Compliance,"* Conference on Federal State Research sponsored by the U.S. Internal Revenue Service, October 1986.

*"The Criminal Deterrence Literature: Implications for Research on Taxpayer Compliance,"* National Academy of Sciences Tax Symposium, January 1986.

*"Regressor Diagnostics for the Classical Errors-in-variables Model,"* Dartmouth College, April, 1985; TIMS/ORSA Meetings, May 1985.

*"Consistent Sets of Estimates for Restricted Regressions with Errors in all Variables,"* TIMS/ORSA Meetings, May, 1985; Allied Social Sciences Meetings, December 1985.

*"The Impact of Measurement Error on Estimates of Pollution Effects in Health Production Functions,"* Allied Social Sciences Meetings, December 1984.

*"Sentencing of Criminals,"* Meeting of the Society of Experimental Social Psychologists, October 1983.

*"Discrimination in the Criminal Justice System: A Critical Appraisal of the Literature and Suggestions for Future Research,"* Conference on Sentencing Research, Committee on Research on Law Enforcement and the Administration of Justice, July 1981.

*"The Role of Extralegal Factors in Determining Criminal Case Disposition: Toward More Reliable Statistical Inference,"* Conference on Sentencing Research, Committee on Research on Law Enforcement and the Administration of Justice, July 1981.

*"Model Occurrence and Model Selection in Panel Data Sets,"* NBER-NSF Seminar on Bayesian Inference in Econometrics, March 1979.

## **GRANTS**

*Clusters, Heritage, and the Microfoundations of Spillovers—Lessons from Semiconductors,* Principal Investigator, National Science Foundation, 2010-2013 (Budget: \$384,247)

*Support for the Consortium on Competition and Cooperation Doctoral Colloquium in 2012-2014,* principal investigator, Ewing Marion Kauffman Foundation, 2012-2014 (Budget: \$30,000 over three years).

*Support for the Consortium on Competition and Cooperation Doctoral Colloquium in 2008-2010,* principal investigator, Ewing Marion Kauffman Foundation, 2008-2010 (Budget: \$30,000 over three years).

*Human Capital, Knowledge Based Firms, and the Entrepreneurial Life Cycle,* Principal Investigator, Portuguese National Science Foundation, 2009-2011 (Budget: \$269,736)

*Carnegie Plan III: The innovation Imperative,* co-principal investigator, Ewing Marion Kauffman Foundation, 2007-2011 (Budget: \$3,000,000 over five years).



*Firm and Industry Evolution and Entrepreneurship Project*, co-principal investigator, Ewing Marion Kauffman Foundation, 2007 (Budget: \$40,000 over one year).

*Carnegie Mellon Open Learning Initiative (OLI), Empirical Research Methods*, co-principal investigator, William and Flora Hewlett Foundation, July 2005-December 2006 (Original budget: \$60,000, supplemented for 18 additional months)

*Towards a Statistical Research Methodology Repository*, co-principal investigator, Office of Technology for Education (CMU), July 2005-December 2006 (Budget: \$50,000)

*Entry, Learning, and Industry Evolution*, principal investigator, National Science Foundation, 2001-2003 (Budget: \$191,409 over three years).

*Managed Care, Evolution, and Innovation in Health Care*, co-principal investigator, Carnegie Mellon Research Seed Fund, 1999-2000 (Budget: \$55,500 over one year).

*Shakeouts, Concentration and Firm Survival*, principal investigator, National Science Foundation, 1996-2001 (Budget: \$193,259 over four years)

*A Reprise of Size and R&D*, co-principal investigator, National Science Foundation, 1991-92 (Budget: \$68,821 over one and a half years).

*Small Firms, Diversity, and Technological Progress*, co-principal investigator, Small Business Administration, 1991 (Budget: \$24,978 over one year).

*Tax Compliance: The Role of Opportunity, Sanctions, and Tax Practitioners*, co-principal investigator, National Science Foundation, 1988-1990 (Budget: \$131,347 over two years).

*Health Econometric Methods for Multimedia Pollutants*, Environmental Protection Agency (CR811041), co-principal investigator, 1983-1986 (18-month first budget period, \$334,000; 9-month second budget period, \$196,000).

*The Evolution of the Robotics Industry in the U.S. and Japan*, SIIRT, co-principal investigator, 1983 (Budget: \$4,850).

*The Evolution of New Industries, Program in Technology and Society*, 1982 (Budget: \$1,500).

## **SUPERVISION OF PH.D. STUDENTS (CHAIR PERSON)**

Romel Mostafa, "Economic Development One Industry at a Time: Evidence from the Bangladesh Garment Industry," 2009; Joon Hwan Choi, "Growing a Modern Economy: The Role of R&D Subsidies in the Development of the Korean Pharmaceutical and Medical Device Industries," 2007; Sally Sleeper, "The Role of Firm Capabilities in the Evolution of the Laser Industry: The Making of a High-Tech Market," 1998; Kenneth Simons, "Shakeouts. Firm Survival and Technological Change in New Manufacturing Industries," 1995; Gavin Sinclair, "Learning and Progressive Cost Reduction in a Specialty Chemicals Business Unit," 1994; Charles Jacobson, "Water Works,

*Electrical Utilities, and Cable Television: Contrasting Historical Patterns of Ownership and Regulation,"* 1987; Daniel Rubenson, "*Estimating the Causes and Size of the Underground Economy,*" 1986; Elizabeth Graddy, "*The Determinants of Market Structure: A Schumpeterian Approach,*" 1984.

## **CONSULTING**

Legal Consulting: I have provided expert economic consulting, including expert testimony, in personal injury and death cases, antitrust cases, age discrimination cases, and commercial cases.

Government Consulting: In 1999-2000 I served as a consultant to the U.S. Census Bureau.