

Steven Klepper*

2011 Award Winner

Career

Born 1949

BA, Cornell University (1970)

MA, Cornell University (1972)

PhD, Cornell University (1975)

Assistant Professor, State University of New York at Buffalo (1974–1980)

Assistant Professor, Carnegie Mellon University (1980–1984)

Associate Professor, Carnegie Mellon University (1984–1991)

Professor, Carnegie Mellon University (1991–)

Arthur Arton Professor of Economics and Social Science,
Carnegie Mellon University (2003–)

Major Scientific Contributions in the Fields of the Award

Books and Edited Volumes

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

Cantner, Uwe, Horst Hanusch and Steven Klepper, eds., (2000), *Economic Evolution, Learning, and Complexity*. Heidelberg: Physica-Verlag.

* This biography covers Steven Klepper's work until January 2011.

Journal Articles

- Gort, Michael and Steven Klepper (1982), "Time Paths in the Diffusion of Product Innovations." *Economic Journal* 92(367), 630–653.
- Klepper, Steven and Elizabeth Graddy (1990), "The Evolution of New Industries and the Determinants of Market Structure." *Rand Journal of Economics* 21(1), 27–44.
- Cohen, Wesley and Steven Klepper (1992), "The Anatomy of Industry R&D Intensity Distributions." *American Economic Review* 82(4), 773–799.
- Cohen, Wesley and _____ (1992), "The Tradeoff between Firm Size and Diversity in the Pursuit of Technological Progress." *Small Business Economics* 4(1), 1–14.
- Klepper, Steven and John H. Miller (1995), "Entry, Exit, and Shakeouts in the United States in New Manufactured Products." *Internal Journal of Industrial Organization* 13(4), 567–591.
- Cohen, Wesley and Steven Klepper (1996), "Firm Size and the Nature of Innovation within Industries." *Review of Economics and Statistics* 78(2), 232–243.
- Cohen, Wesley and _____ (1996), "A Reprise of Size and R&D." *Economic Journal* 106(437), 921–951.
- Klepper, Steven (1996), "Entry, Exit, Growth, and Innovation over the Product Life Cycle." *American Economic Review* 86(3), 562–583.
- _____ (1997), "Industry Life Cycles." *Industrial and Corporate Change* 6(1), 145–181.
- Klepper, Steven and Kenneth L. Simons (1997), "Technological Extinctions of Industrial Firms: An Inquiry into their Nature and Causes." *Industrial and Corporate Change* 6(2), 379–460.
- _____ and Kenneth L. Simons (2000), "Dominance by Birthright: Entry of Prior Radio Producers and Competitive Ramifications in the U.S. Television Receiver Industry." *Strategic Management Journal* 21(10–11), 997–1016.
- _____ and Kenneth L. Simons (2000), "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), 728–760.
- Holdbrook, Daniel, Wesley Cohen, David A. Hounshell and Steven Klepper (2000), "The Nature, Sources, and Consequences of Firm Differences in the Early History of the Semiconductor Industry." *Strategic Management Journal* 21(10–11), 1017–1041.

- Klepper, Steven (2001), "Employee Startups in High-Tech Industries." *Industrial Corporate Change* 10(3), 639–674.
- _____ (2002), "Firm Survival and the Evolution of Oligopoly." *RAND Journal of Economics* 33(1), 37–61.
- _____ (2002), "The Capabilities of New Firms and the Evolution of the US Automobile Industry." *Industrial and Corporate Change* 11(4), 645–666.
- Klepper, Steven and Kenneth L. Simons (2005), "Industry Shakeouts and Technological Change." *International Journal of Industrial Organization* 23(1–2), 23–43.
- Klepper, Steven and Sally Sleeper (2005), "Entry by Spinoffs." *Management Science* 51(8), 1291–1306.
- Klepper, Steven and Peter Thompson (2006), "Submarkets and the Evolution of Market Structure." *RAND Journal* 37(4), 861–886.
- Klepper, Steven (2007), "Disagreements, Spinoffs, and the Evolution of Detroit as the Capital of the US Automobile Industry." *Management Science* 53(4), 616–631.
- Buenstorf, Guido and Steven Klepper (2009), "Heritage and Agglomeration: The Akron Tyre Cluster Revisited." *Economic Journal* 119(537), 705–733.
- Klepper, Steven (2010), "The Origin and Growth of Industry Clusters: The Making of Silicon Valley and Detroit." *Journal of Urban Economics* 67(1), 15–32.
- Klepper, Steven and Peter Thompson (2010), "Disagreements and Intra-industry Spinoffs." *International Journal of Industrial Organization* 28(5), 526–538.

Book Chapters

- Arora, Ashish, Alfonso Gambardella and Steven Klepper (2005), "Organizational Capabilities and the Rise of the Software Industry in the Emerging Economies: Lessons from the History of Some US Industries." In Ashish Arora and Alfonso Gambardella, eds., *From Underdogs to Tigers: The Rise and Growth of the Software Industry in Some Emerging Economies*. Oxford: Oxford University Press, 171–206.
- Klepper, Steven (2007), "The Organizing and Financing of Innovative Companies in the Evolution of the U.S. Automobile Industry." In Naomi Lamoreaux and Kenneth Sokoloff, eds., *The Financing of Innovation*. Cambridge, MA: MIT Press, 85–128.
- Klepper, Steven and Peter Thompson (2007), "Spinoff Entry in High-tech Industries: Motives and Consequences." In Franco Malerba and Stefano Brusoni, eds., *Perspectives on Innovation*. Cambridge, UK: Cambridge University Press, 187–218.

Klepper, Steven (2008), "Industry Life Cycles and Market Dominance." In Wayne Dale Collins, ed., *Issues in Competition Law and Policy*. Chicago: ABA Press, 695–722.

_____ (2008), "The Product Life Cycle." In Steven N. Durlauf and Lawrence E. Blume, eds., *The New Palgrave Dictionary of Economics*, Second Edition. London: Palgrave MacMillan Ltd.

_____ (2009), "Silicon Valley—A Chip off the Old Detroit Bloc." In Zoltan J. Acs, David B. Audretsch and Robert Strom, eds., *Entrepreneurship, Growth, and Public Policy*. Cambridge, UK: Cambridge University Press, 79–115.