

Luciano Kay
December 2011

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EDUCATION

- 2011 Ph.D., Public Policy, School of Public Policy, Georgia Institute of Technology, Atlanta, GA.
Field: Economic Development. Minor: Science & Technology and Innovation Policies
Thesis: "How do prizes induce innovation? Learning from the Google Lunar X Prize."
- 2002 Licentiate, Organizational Management, Facultad de Ciencias Económicas, Universidad Nacional del Litoral, Santa Fe, Argentina.
Thesis: "Public Policies to support SMEs. The Italian experience and lessons for Argentina."
- 1995 Technician, Mechanic-Electrical Specialist, Escuela Industrial Superior, Universidad Nacional del Litoral, Santa Fe, Argentina.

EMPLOYMENT

- 2011-present Postdoctoral Fellow, Georgia Tech Program in Science, Technology and Innovation Policy, Georgia Institute of Technology.

Co-instructor PUBP 6741 Geography of Innovation, School of Public Policy, Georgia Institute of Technology.
- 2007-11 Graduate Research Assistant, Georgia Tech Program in Science, Technology and Innovation Policy, Georgia Institute of Technology.
- 2006-07 Graduate Research Assistant, Research Value Mapping Program, School of Public Policy, Georgia Institute of Technology.
- 2005-06 Coordinator of entrepreneurship activities, Centro PyME Litoral (SMEs support center), Facultad de Ciencias Económicas, Universidad Nacional del Litoral, Santa Fe, Argentina.
- 2003-06 Research Assistant, Project "Institutional density, collective innovation and value chains development in clusters of SMEs (metal-mechanic and furniture) in Santa Fe during the 90s," Grupo de Investigacion Estado, Territorio y Economia, Universidad Nacional del Litoral, Santa Fe, Argentina.

AWARDS

- 2010 Research Stipend, The IBM Center for the Business of Government (\$20,000).
- 2010 Doctoral Dissertation Improvement Award, U.S. National Science Foundation, Science of Science and Innovation Policy (SciSIP) program (\$10,440).
- 2009 William H. Read Award for Outstanding Public Policy Student 2008-2009, School of Public Policy, Georgia Institute of Technology (\$1,000).

PUBLICATIONS

Refereed Journal Articles

Kay, Luciano. "Policy Challenges and Opportunities toward a Widespread Use of Innovation Prizes." *Minerva Special Issue "Young scholars take a forward look" (accepted abstract, forthcoming.)*

Kay, Luciano (2011). "The effect of inducement prizes on innovation: evidence from the Ansari X Prize and the Northrop Grumman Lunar Lander Challenge." *R&D Management*, 41, 4, 360-377.

Shapira, Philip; Youtie, Jan; Kay, Luciano (2011). "National innovation systems and the globalization of nanotechnology innovation." *Journal of Technology Transfer*, DOI 10.1007/s10961-011-9212-0.

Shapira, Philip; Youtie, Jan; Kay, Luciano (2011). "Building Capabilities for Innovation in SMEs: A Cross-Country Comparison of Technology Extension Policies and Programs." *International Journal of Innovation and Regional Development*, 3, 3/4, 254-272.

Kay, Luciano; Shapira, Philip (2009). "Developing Nanotechnology in Latin America." *Journal of Nanoparticle Research*, 11, 259-278.

Books and Book Chapters

Kay, Luciano. "Prize incentives and innovation" (Working title). Book (*work in progress*): Edward Elgar.

Kay, Luciano; Shapira, Philip (2010). "The potential of nanotechnology for economic development. The case of Brazil and lessons for Latin America." In Cozzens, Susan and Wetmore, Jameson (eds) Yearbook of Nanotechnology in Society Volume 3: Equity and Equality. New York: Springer.

Other Peer Reviewed Publications

Kay, Luciano; Invernizzi, Noela; Shapira, Philip (2010). "The Role of Brazilian Firms in Nanotechnology Development." *Science and Innovation Policy, 2009 Atlanta Conference IEEE Proceedings*.

Professional Publications

Kay, Luciano (2011). *Managing Innovation Prizes in Government*. The IBM Center for the Business of Government.

Shapira, Philip; Kay, Luciano (2009). *Public Research Lab and other Scientific Collaborations of the Manchester City Region: A Bibliometric Analysis*. Manchester, UK: Manchester Institute of Innovation Research, University of Manchester.

Shapira, Philip; Kay, Luciano (2009). *Mapping Organizational Capabilities for Innovation and Competitiveness: Research Performance and Patenting in Small Open Economies: Productivity, Innovation and Competitiveness in Small Open Economies (PIC SOE)*.

Youtie, Jan; Shapira, Philip; Kay, Luciano (2009). *Practices and Plans for Sustainability in Georgia's Pulp and Paper Sector: Results the Georgia Manufacturing Survey 2008*. Georgia Tech Program in Science, Technology, and Innovation Policy.

Youtie, Jan; Shapira, Philip; Kay, Luciano; Rivera, Ashley; Lynch, Brian; Cutler, Gordon; Fernandez Ribas; Andrea (2008). *Innovation in Manufacturing: Needs, Practices, and Performance in Georgia 2005-2008*. Georgia Tech Program in Science, Technology, and Innovation Policy.

White Papers

Shapira, Philip; Youtie, Jan; Kay, Luciano (2010). *Corporate Entry into Nanotechnology through Patents and Publications: 1990 to 2008*. Georgia Tech Program in Science, Technology, and Innovation Policy.

INVITED CONFERENCE PRESENTATIONS

Nanotecnología en América Latina. Brasil y la emergencia de nano-empresas. VI Seminário Internacional Nanotecnologia, Sociedade e Meio Ambiente - VI SEMINANOSOMA. Manaus, Amazonas, Brazil, October 20-22, 2009.

The Emergence of Nanotechnology Enterprise in Brazil. 2nd Manchester International Workshop on Nanotechnology, Society & Policy. Manchester, UK, October 6-8, 2009.

El desarrollo de nanotecnología y estrategias para América Latina. Workshop Nanotecnologia na América do Sul: desenvolvimento e implicações sociais. Curitiba, Brazil, May 28-29, 2009.

OTHER CONFERENCE PRESENTATIONS

Patent Overlay Mapping: Visualizing Technological Distance. Patent Statistics for Decision Makers Conference 2011, Alexandria, VA, November 16-17, 2011.

Nanotechnology firms: from discovery to commercialization. Patent Statistics for Decision Makers Conference 2011, Alexandria, VA, November 16-17, 2011.

Commercialization Patterns of Nanoscale Science and Engineering Centers: The Case of Polymer v. Clean-Room based Nanotechnology Applications. S.NET Conference 2011, Tempe, AZ, November 7-10, 2011.

Aggregate patterns of linkage of nanotechnology engineering centers with industry. American Evaluation Association Conference 2011, Anaheim, CA, November 2-5, 2011.

Anticipating developments in nanotechnology commercialization. Workshop on nanotechnologies: Economic and societal perspectives, Karlsruhe, Germany, July 7-8, 2011.

Assessment of Fifteen Nanotechnology Science and Engineering Centers' (NSECs) Outcomes and Impacts: Their Contribution to NNI Objectives and Goals. Atlanta S&T Conference, Atlanta, GA, September 15-17, 2011.

Visual analysis of nanotechnology corporate research and commercialization with VantagePoint and Gephi (poster). 1st Global TechMining Conference, Atlanta, GA, September 13-14, 2011.

National Innovation System Dynamics and the Globalization of Nanotechnology Innovation. EU-US Transatlantic Workshop on Nanotechnology Research and Innovation Policy, Atlanta, GA, March 24-26, 2010.

Corporate Entry into Nanotechnology through Patents and Publications: 1990 to 2008. CNS-ASU All Hands Meeting. Tempe, AZ, January 11-13, 2010.

Nanotechnology R&D collaboration with Brazil. Managing challenges and opportunities in an emerging networked technology. Workshop for International R&D cooperation with Latin America. Madrid, Spain, February 16-17, 2009.

Nanotechnology research networks in Brazil (poster). CNS-ASU All Hands Meeting, Tempe, AZ, January 14-16, 2009.

Equity, development, and the potential of nanotechnology in Latin America. CNS-ASU Nanotechnology, Equity, and Equality Workshop. Tempe, AZ, October 20-22, 2008.

Developing Nanotechnology in Latin America (poster). CNS-ASU All Hands Meeting, Tempe, AZ, April 23-25, 2008.

Nanotechnology in Latin America. DRUID-DIME Academy Winter 2008 PhD Conference, Rebild, Aalborg, Denmark, January 17-19, 2008.

Comparative patterns of innovation at the regional level: evidence in the furniture industry. Budapest PRIME PhD Conference, Budapest, Hungary, June 21-33, 2007.

Collaborating to respond and win: is regional upgrading always possible? Exploring the case of the furniture industry in North Carolina. 46th Annual SRSA Meeting, Charleston, SC, March 29-31, 2007.

MEMBERSHIPS AND AFFILIATIONS

2010-present Latin American Nanotechnology & Society Network (ReLANS).

2007-present Center for Nanotechnology in Society at Arizona State University (CNS-ASU).

2009-10 Student representative in School of Public Policy's Graduate Committee, Georgia Institute of Technology.