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### Academic Positions:

Assistant Professor of Economics, Stanford, 2006-  
Faculty Research Fellow, National Bureau of Economic Research, 2003-  
National Fellow, Hoover Institution, 2005-2006  
Assistant Professor of Strategy, MIT Sloan, 2002-2006

### Education:

1997-2002, U.C. Berkeley  
Ph.D. in Economics, Fields: Economic History and Industrial Organization  
Dissertation Title: *Determinants of Innovation: Evidence from 19th-Century World Fairs*  
1994-1996, Yale University  
M.A. in International Relations, Concentration in Economics and History  
1992-1994, University of Missouri at Columbia  
Fulbright Scholar, Graduate Studies in Economics  
1990-1992, University of Tübingen, Germany  
Undergraduate studies in Economics, Political Science, and Law

### Publications on Innovation:

“Compulsory Licensing: Evidence from the Trading with the Enemy Act” (with Alessandra Voena). Forthcoming in the *American Economic Review*. Last working paper at <http://ssrn.com/abstract=1313867>

“Innovation without Patents” Forthcoming in the *Journal of Law and Economics*, April 2012. Last working paper at <http://ssrn.com/abstract=930241>

“Do Patents Weaken the Localization of Innovations? Evidence from World's Fairs, 1851-1915.” *The Journal of Economic History*, Volume 71, Number 2, June 2011, pp. 363-382  
[http://journals.cambridge.org/repo\\_A82a3cVY](http://journals.cambridge.org/repo_A82a3cVY)

“Do Patent Pools Encourage Innovation? Evidence from the 19<sup>th</sup>-Century Sewing Machine Industry” with Ryan Lampe. *The Journal of Economic History*, Volume 70, Issue 04, December 2010, pp. 898-920. Working paper at <http://ssrn.com/abstract=1308997>

### **Publications on Innovation (continued):**

“How Do Patent Laws Influence Innovation? Evidence from Nineteenth-Century World Fairs,” *The American Economic Review*, Volume 95, Number 4, September 2005, pp. 1214-1236. <http://www.jstor.org/stable/4132712>

“Was Electricity a General Purpose Technology? Evidence from Historical Patent Citations” with Tom Nicholas, *The American Economic Review, Papers and Proceedings*, May 2004, vol. 94, no.2, pp.388-394. <http://ssrn.com/abstract=930649>

“Determinants of Innovation - Evidence from 19th Century World Fairs”, *The Journal of Economic History*, May 2004, vol. 64, no.2, pp. 548-552. [http://journals.cambridge.org/abstract\\_S0022050704232806](http://journals.cambridge.org/abstract_S0022050704232806)

### **Book Chapters and Book Reviews on Innovation:**

“Did Plant Patents Create the American Rose” (with Paul Rhode). Forthcoming in the NBER *The Rate and Direction of Technological Change*, edited by Joshua Lerner and Scott Stern. NBER Working Paper, No. 16983, April 2011. <http://www.nber.org/papers/w16983>

*Financing Innovation in the United States, 1870 to Present*, Edited by Naomi R. Lamoreaux and Kenneth L. Sokoloff. Cambridge, MA: The MIT Press, 2007. *Journal of Economic Literature*, vol.47, pp.50-53.

*Networked Machinists: High Technology Industries in Antebellum America*, by David R. Meyer. Baltimore: The John Hopkins University Press, 2006. *Journal of Economic History*, vol. 67, no.3, pp. 821-822.

### **Working Papers on Innovation:**

“German Jewish Émigrés and U.S. Invention” (with Alessandra Voena and Fabian Waldinger) <http://ssrn.com/abstract=1910247>

“Do Patent Treaties Encourage Technology Transfers? – Evidence from the Paris Convention” (with L. Kamran Bilir and Irina Talis) <http://ssrn.com/abstract=1893052>

“Patent Pools and the Direction of Innovation” (with Ryan Lampe) <http://ssrn.com/abstract=1468062>

Do Patent Pools Encourage Innovation? Evidence from an earlier “Golden Age” after the Great Depression (with Ryan Lampe)

“Patents, Citations, and the Magnitude of Innovation – Evidence from Hybrid Corn” (with Joerg Ohmstedt and Paul Rhode) <http://ssrn.com/abstract=1888191>

“Did Compulsory Licensing Weaken Incentives to Invent? Evidence from German Patents, 1900-1932” (with Joerg Baten and Nicola Bianchi)

“Prizes and the Publication of Ideas” (with Tom Nicholas) <http://ssrn.com/abstract=1910220>

### **Work in Progress on Innovation:**

“Patent Laws, Market Size, and Innovation” (with Assaf Zimrig)

“Compulsory Licensing and U.S. Innovation after WWII” (with Stephanie Lee)

“Endogenous Patent Laws – The Plant Variety Protection Act of 1970” (with Paul Rhode)

“Blue. Induced Innovation in Synthetic Dyes” (with Nadeem Karmali)

### **Working Papers on the NYSE:**

“Taste-Based Discrimination at the NYSE. Evidence from a Shock to Preferences during WWI. Available at <http://ssrn.com/abstract=930237>. Revised for *Exploration in Economic History*.

### **Work in Progress on the NYSE:**

“Did Inexperienced Traders Cause the Great Crash?” (with Tilky Xu)

“Ethnic Networks in Finance – Evidence from Membership Sales at the NYSE, 1883 to 1973” (with Giacomo de Giorgi and Fred Panier)

“Financial Regulation: How Effective was the SEC in 1934?” (with Fred Panier)

“Why do Market Makers Pay Less for the Right to Trade? (with Fred Panier)

### **Fellowships and Awards:**

2009-2012 NSF Research Grant SES0921859 “Compulsory Licensing”

2009-2010 Stanford UPS Research Grant for “Effects of Financial Regulation – Evidence from Sales of Specialist Seats at the NYSE”

2008-2009 NBER Research Grant *Innovation Policy and the Economy*  
Stanford Institute for Research in the Social Sciences (IRiSS) Research Grant  
Stanford Vice Provost for Undergraduate Education (VPUE) Research Grant

2007-2009 Stanford Vice Provost for Undergraduate Education (VPUE) Research Grant

2005-2006 Arch W. Shaw National Fellow, Campbell National Fellow, Hoover Institution, Stanford University

2003 Alexander Gerschenkron Prize for the best dissertation in economic history (European, Asian, and comparative topics) awarded by the Economic History Association

**Teaching Experience:**

Stanford Economics, 2006-Now. Graduate: *Economics of Innovation and Technical Change, Topics in Economic History*. Undergraduate: *Economics of Innovation*

MIT Sloan, 2002-2005. MBA elective courses: *Strategy* and *Technology Strategy*

U.C. Berkeley Economics, 1998-2000. Teaching assistant  
*Advanced Undergraduate Microeconomics, International Trade, 20th-Century World Economic History, and Introduction to Economics*

**Advising:**

Frederic Panier, 2013 (expected)  
Assaf Zimrig, 2013 (expected)  
Iiro Maakinen, 2013 (expected)  
Joerg Ohmstedt, Cornell 2012 (expected, primary)  
Alessandra Voena, University of Chicago Economics, 2011  
Kamran Bilir, University of Wisconsin, Economics, 2011  
Nadeem Kamali, World Bank Young Professionals, 2011  
Scott Hemphil, Columbia University, Law, 2010  
Ryan Lampe, De Paul University, Economics, 2009 (primary)

**Referee:**

*American Economic Review, Economic Enquiry, Economic Journal, European Economic Review, European Research Council, Explorations in Economic History, Industrial and Corporate Change, Journal of Applied Econometrics, Journal of Economic Growth, Journal of Economic History, Journal of Political Economy, Journal of Law and Economics, Managerial and Decision Economics, National Science Foundation, Oxford Economic Papers, Quarterly Journal of Economics, Research Policy, Review of Economics and Statistics.*

**Other Service:**

Co-organizer for the All-UC Group in Economic History 2012 Conference on “Science, Intellectual Property Rights, and Innovation”

Member of the selection committee for the Economic History Association’s *Gyorgi Ranki Biennial Prize*, awarded to an outstanding book on the economic history of Europe. 2010-.

**Other Employment:**

Associate, Booz.Allen & Hamilton, Munich, Germany, February 1997-July 1997  
Consultant, Cable and Wireless, Georgetown, Cayman Islands, December 1995-January 1996  
Intern, United Nations Development Programme, New York, New York, July 1994  
Intern, United Nations, Headquarters, New York, New York, Fall 1993

## **Languages and Other Interests**

Fluent in German and English. Reading knowledge of French, Spanish, and Italian.  
Advanced Latin proficiency exam (7 years of high school Latin).  
Running, bouldering, yoga. Married with two children.