

Zhen Sun

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FIELDS OF CONCENTRATION:

Primary: Economics of Innovation, Applied Econometrics
Secondary: Empirical Industry Organization, Machine Learning & Big Data

EDUCATION:

Ph.D. in Agricultural and Resource Economics, University of California, Berkeley, expected May 2016
Dissertation Title: “Essays on using the IP system in Promoting Innovation and Economic Growth”
Dissertation Committee: Brian Wright (Principal Advisor), Jeff Perloff and Michael Anderson
M.A. in Statistics, University of California, Berkeley, 2012
M.S. in Civil Engineering, University of California, Berkeley, 2009
B.E. in Civil Engineering, Tsinghua University, 2010

GRANTS AND AWARDS:

Young Scholar Award, China Times Cultural Foundation, 2014
Travel Grants, Searle Center, Northwestern University, 2015; Graduate Division, University of California, Berkeley, 2013, and Giannini Foundation of Agricultural Economics, 2012
Outstanding Student Scholarship, Tsinghua University, 2003—2007

PUBLICATIONS:

“Error analysis and comparison of two algorithms measuring compensated income” with Yang Xie in *Computational Economics*, 2012, 40(3):1-20.
“Harmonizing the approval process for intelligent transportation system projects using integrated approach of systems engineering analysis and feasibility study report” with Osama Elhamshary, Hang Bai, Imad Khaled and Michael Krueger in *Transportation Research Board*, 2009, 09-1615.

WORKING PAPERS AND WORK IN PROGRESS:

“Does the IP system help reduce friction in knowledge flows? – Evidence from patent examiner citations” (**Job Market Paper**)
“Decipher the Chinese patenting – Evidence from quality measures of Chinese patent applications” (with the construction of a comprehensive data set of Chinese patent applications)
“Financial market reaction and prediction in patent litigations – Evidence from patent litigation in South Korea” with Junbyoung Oh and Kineung Choo
“The effect of R&D tax deduction on firms’ innovation” with Zhen Lei and Zhifeng Yin
“What happens when politics intervenes in the patent system? Evidence from China's domestic patent applications”, with Zhen Lei and Brian Wright
“Patent subsidy and patent filing in China – A case study in Suzhou”, with Zhen Lei and Brian Wright

RESEARCH EXPERIENCE:

Research assistant at the University of California, Berkeley for Professor Brian Wright. *Issues with Academic Patent Licenses*. 2014-present; *The Implications of Patent Application Growth in China on the USPTO*, 2011-2013
Research assistant at the University of California, Berkeley for Professor Peter Berck. *Dynamic Revenue Analysis for California with CGE Models*, Summer 2010
Research intern at the California Center for Innovative Transportation, 2008-2009

TEACHING EXPERIENCE:

Graduate Student Instructor for Professor Scott Carson in *Economic Statistics and Econometrics* (ECON 140) at the University of California, Berkeley. Summer 2015 and 2013.
Instructor with Professor Brian Wright for *Economics of Intellectual Property Rights and Innovation* (SE 1452) at Renmin University of China. Summer 2014.
Graduate Student Instructor for Professor Larry Karp in *Environmental Economics and Policy* (EEP/ECON C102) at the University of California, Berkeley. Fall 2013.

OTHER INFORMATION:

Computer: Python, R, Matlab, Java, Stata, Latex, Git
Languages: English (fluent), Chinese (native)