

YASIN OZCAN

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ACADEMIC EMPLOYMENT

MIT Sloan School of Management, Cambridge, MA July 2017-
Postdoctoral Research Fellow
National Bureau of Economic Research, Cambridge, MA, September 2015-June 2017
Post-Doctoral Fellow (Innovation Policy and the Economy)

EDUCATION

Ph.D., *Managerial Economics and Strategy*, Northwestern University, Evanston, IL, 2015
Dissertation: On the Production, Acquisition, and Diffusion of Innovation
B.S.: *Economics*, Massachusetts Institute of Technology, Cambridge, MA, 2006.
B.S.: *Mathematics*, Massachusetts Institute of Technology, Cambridge, MA, 2006.

JOB MARKET PAPER

“The Impact of Open Access Mandates on Invention,” (with Kevin Bryan), R&R at Management Science

Abstract: Open access increases citation of medical research in patent applications by 25 to 51 percent, suggesting that gated academic journals may meaningfully restrict the flow of knowledge from academia to inventors. We identify this effect using the 2008 NIH open access mandate in conjunction with the fact that some journals make their full archives free-to-read whether or not an article is bound by an institutional mandate. This increased citation by patentees occurs even though there is minimal impact on citations within academia. Methodologically, we introduce a new data source for scholars investigating knowledge transfer using patent records: the in-specification citation. These citations can be extracted in a straightforward way directly from the patent text, and differ substantially from prior art citations.

PUBLICATIONS

“Composition of Innovative Activity in ICT Equipment R&D”, (with Shane Greenstein), Loyola University Chicago Law Journal. 45. 479 (2013).

Abstract: Has the market structure for inventive ideas in the Information and Communications Technology (“ICT”) equipment industry undergone dramatic changes in the last three decades in the United States? What does statistical evidence from U.S. patent activity suggest about change to the concentration of sources of inventive ideas? This Study characterizes levels, and changes in those levels, in the concentration of sources of new invention from 1976 to 2010. The analysis finds pervasive deconcentration across a wide set of areas. It also finds that the deconcentration takes place despite the role lateral entry by existing firms plays in driving concentration levels up. Furthermore, the evidence suggests that the deconcentration trend cannot be attributed to a single supply factor in the market for ideas, such as the breakdown of AT&T during the deregulation of the telecommunications industry.

OTHER PAPERS AND MANUSCRIPTS

“Technological Leadership: (de)Concentration and Causes in ICT Equipment,” (with Shane Greenstein), NBER Working Paper No. 22631. 2017. Under Review at Research Policy

“Innovation and Acquisition: Two-Sided Matching in M&A Markets,” 2016.

WORK IN PROGRESS

"Changes in Appropriation Regime and Reliance on Basic Science: Evidence from non-Compete Agreements"

"Acquiring a String of Pearls" (with Mitsuru Igami)

“Patent In-specification Citations: A New Measure of Knowledge Flow” (with Kevin Bryan)

PROJECTS

“**The meaning of patent citations to scientific articles,**” (with Kevin Bryan and Bhaven Sampat)

Description: Measuring the impact of publicly funded science on the rate and direction of innovation is a perennial challenge in science and technology policy. Over the past few years, several research teams have used science citations in issued patents to examine links between science and technology and the economic impact of science. All of these analyses focus on “front page” citations and ignore another set of references to scientific articles, “in text” citations in the text of the patent themselves. More fundamentally, there is limited understanding of what types of intellectual linkages and knowledge flows either front page or in-text citations represent. This project seeks to make advances on each of these fronts, by developing tools to extract in-text citations and create a public database of in text and front page citations, administering and analyzing a survey to assess the meaning of the different types of citations, and leveraging new computational techniques to examine whether particular types of citations are more predictive of real linkages between scientific articles and the patents that cite them.

"Corporate Restructuring, Human Capital, and Innovation," Approved Research Project with the US Census Bureau

ACADEMIC PRESENTATIONS

(Upcoming) American Association for the Advancement of Science Annual Meeting	February 2018
(Upcoming) 2017 Duke Strategy Conference	November 2017
16th Roundtable for Engineering Entrepreneurship Research (REER)	November 2016
Ninth Annual Conference on Innovation and Entrepreneurship, Searle Center for Law, Regulation, and Economic Growth (Invited Discussant)	June 2016
NBER Productivity Lunch Seminar	May 2016
14th International Industrial Organization Conference	April 2016
Entrepreneurial Finance and Innovation Conference (Invited Discussant)	September 2015
CRES Foundations of Business Strategy Conference	May 2015
Georgia Institute of Technology (Scheller)	January 2015
13th International Industrial Organization Conference	April 2015
Sixth Annual Conference on Innovation and Entrepreneurship, Searle Center for Law, Regulation, and Economic Growth	June 2013
11th International Industrial Organization Conference, Rising Stars Session	April 2013
Consortium for Cooperation and Competition, 20th Annual Colloquium	March 2013
10th International Industrial Organization Conference, Innovation, Patents and Antitrust Policy Session	April 2012

FELLOWSHIPS, GRANTS, AWARDS

NBER Postdoctoral Fellowship - Innovation Policy and the Economy	2015-2017
Alfred P. Sloan Foundation, Econ. of Knowledge Contribution and Distribution (with Kevin Bryan)	2014
General Motor Research Center for Strategy in Management Grant (with Shane Greenstein)	2010
Dean's Office Research Grant, Kellogg School of Management	2011
NBER Grant for Entrepreneurship Boot Camp	2010
MIT Tuition Scholarship	2002-2006

PROFESSIONAL EXPERIENCE

ERS Group, Senior Research Associate, Antitrust Team, Emeryville, CA Worked on litigation and auction consulting.	June 2006 - August 2008
JP Morgan Chase Intern, Investment Banking, New York, NY Intern, Investment Banking, Istanbul, Turkey	January 2005 July 2004
PricewaterhouseCoopers Intern, Corporate Finance Division, Istanbul, Turkey	August 2004

TEACHING

Technology and Innovation Strategy, MBA Elective Teaching Assistant , Kellogg School of Management, Six quarters between Winter 2009 - Fall 2014
Strategy and Organization, MBA Elective Teaching Assistant , Kellogg School of Management Winter 2013

SERVICES and ASSOCIATIONS

Special Sworn Status Researcher, US Census Bureau
Member, Academy of Management
Member, American Economic Association
Ad-hoc Referee for
Strategic Management Journal
Review of Industrial Organization
Journal of Economic Behavior & Organization