

## YASIN OZCAN

ozcan@nber.org

[www.yasinozcan.com](http://www.yasinozcan.com)

### ACADEMIC EMPLOYMENT

National Bureau of Economic Research, Cambridge, MA, September 2015,-  
Post-Doctoral Fellow (IPE Fellow)

### 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.

### FIELDS OF INTEREST

Economics of Innovation; Technology Strategy; Entrepreneurship

### PAPERS AND MANUSCRIPTS

“**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.

“**Innovation and Acquisition: Two-Sided Matching in M&A Markets**”, January 2015.

Abstract: This article investigates the determinants of pairing decisions in M&A activity of knowledge-intensive firms. Using standard patent-based metrics from novel data on 2,378 M&A deals, I show that there is a positive assortative sorting on acquirer and target innovation output quality; conditional on participating in M&A activity, high quality targets pair with high quality acquirers. The positive sorting on innovation quality is consistent with the view that external innovation complements internal innovation output of firms. I also show that the pairing probability in an acquisition decreases with distance between the acquirer and the target Firm in technology, product market, and geography. Furthermore, I show that sorting on innovation quality in acquisition of private firms is weaker than in public firms. This difference has implications for acquirer returns in public-private acquisitions.

**“The Impact of Open Access Mandates on Invention”**, (with Kevin Bryan), November 2014.

Abstract: In a novel dataset matching the universe of U.S. patent applications and the universe of medical research articles in 44 top journals since 2005, we show that open access increases the probability an article is cited by a patent application by 23 to 35 percent even though there is close to zero impact on citations within academia. We identify this effect using the 2008 NIH open access mandate, both in a cross-section difference-in-difference and in a panel data that takes advantage of quasi-random timing of the policy implementation across articles. A theoretical model shows that even when individual articles are relatively inexpensive, the welfare implications of gated access can be large. Through the lens of that model, we investigate welfare impacts via subgroup analysis of our patent sample and a qualitative survey of inventors.

**“Technological Leadership: (de)Concentration and Causes in ICT Equipment,”** (with Shane Greenstein), 2013. (An earlier version of this paper circulated under the title "The (de)Concentration of Sources of Inventive Ideas: Evidence from ICT Equipment")

Abstract: What does statistical evidence from patent activity suggest about change to the concentration of sources of inventive ideas in Information and Communications (ICT) Equipment? This article characterizes levels, and changes in those levels, in the concentration of sources of invention from 1976 to 2010. The analysis finds pervasive long run deconcentration across a wide set of areas. It also finds that the deconcentration happens despite the role lateral entry by existing firms play in driving concentration levels up. Although we find evidence that new firm entry drives part of this deconcentration, the evidence also suggests that the deconcentration trend cannot be attributed to a single supply factor in the market for ideas, such as the breakup of AT&T during the deregulation of the telecommunications industry. Finally, the evidence also shows that mergers and acquisitions activity results in the transfer of approximately 11% of patents in the ICT equipment industry, but this transfer does not make up for the declines in concentration. That conclusion holds for high-quality patents, and, to a weaker extent, when examining the entire US patent database.

## **WORK IN PROGRESS**

"Acquiring a String of Pearls" (with Mitsuru Igami), since June 2015

"Corporate Restructuring, Human Capital, and Innovation," Approved Research Project with the US Census Bureau, since April 2014

"Complementary Assets and Innovation Commercialization Strategies," since September 2014

## **SELECT PRESENTATIONS**

CRES Foundations of Business Strategy Conference	May 2015
Georgia Institute of Technology (Scheller)	January 2015
13 <sup>th</sup> International Industrial Organization Conference	April 2015
Sixth Annual Conference on Innovation and Entrepreneurship, Searle Center for Law, Regulation, and Economic Growth	June 2013
11 <sup>th</sup> International Industrial Organization Conference, Rising Stars Session	April 2013
Consortium for Cooperation and Competition, 20 <sup>th</sup> Annual Colloquium	March 2013
10 <sup>th</sup> International Industrial Organization Conference, Innovation, Patents and Antitrust Policy Session	April 2012

## 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

## FELLOWSHIPS, GRANTS, AWARDS

Alfred P. Sloan Foundation, Econ. of Knowledge Contribution and Distribution	2014
Northwestern University Travel Grant	2013
General Motor Research Center for Strategy in Management Grant	2010
Dean's Office Research Grant, Kellogg School of Management	2011
NBER Grant for Entrepreneurship Boot Camp	2010
MIT Tuition Scholarship	2002-2006

## TEACHING

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

## SERVICES

Referee, Strategic Management Journal
Special Sworn Status Researcher, US Census Bureau