

Prasanna Tambe

Stern School of Business
New York University
44 West 4th Street
New York, NY 10012

Phone: (212) 998-0815
Fax: (212) 995-4228
Office: KMC 8-82
Email: ptambe@stern.nyu.edu

Employment

NYU Leonard N. Stern School of Business, Associate Professor, May 2014–present.
NYU Leonard N. Stern School of Business, Assistant Professor, July 2008–May 2014.

Other Affiliations

MIT Sloan Initiative on the Digital Economy, Digital Fellow, May 2015–present

Education

Ph.D. Managerial Economics, Wharton School of Business, University of Pennsylvania, 2008.
Dissertation: “Essays on Information Technology, Labor, and Organizations”
M.Eng. Electrical Engineering & Computer Science, Massachusetts Institute of Technology, 1997.
B.S. Electrical Engineering & Computer Science, Massachusetts Institute of Technology, 1996.

Fields of Research Interest

Economics of IT Labor, Technical Skills, Technological Change and Labor Outcomes, IT and Productivity, Financing IT Investment, Micro-foundations of IT Diffusion

Grants & Awards

Best Paper Nomination, International Conference on Information Systems, 2015.
Finalist, Best IS Paper Published in *Management Science*, 2015.
“Job Hopping, Information Technology Spillovers, and Productivity Growth”
Finalist, Best IS Paper Published in *Management Science*, 2014.
“Now IT’s Personal: Offshoring and the US Information Technology Workforce”
Best Paper Nomination, International Conference on Information Systems, 2013.
Plenary Speaker, International Symposium on Contemporary Labor Economics, 2013.
ISS/*Information Systems Research* Best Published Paper Award, 2013.
“The Productivity of IT Investments: New Evidence from IT Labor Data”
Research Grant, \$401,624 - Alfred P. Sloan Foundation, The Economics of IT Labor Markets Using Administrative Datasets (Sole PI), 2012.

Research

Research Publications

1. Agrawal, A., P. Tambe. Private Equity and Workers' Career Outcomes: The Role of Technological Change. *The Review of Financial Studies*, forthcoming.
2. Hitt, L., P. Tambe. Healthcare IT, Work Organization, and Nursing Home Performance. *Industrial and Labor Relations Review*, forthcoming.
3. Tambe, P. (2014). Big Data Investment, Skills, and Firm Value. *Management Science*. 60(6), 1452–1469.
4. Tambe, P., L. Hitt. (2014). Measuring Information Technology Spillovers. *Information Systems Research*. 25(1), 53–71.
5. Tambe, P., L. Hitt. (2013). Job Hopping, Information Technology Spillovers, and Productivity Growth. *Management Science*. 60(2), 338–355.
6. Tambe, P., L. Hitt. (2012). The Productivity of Information Technology Investments: Evidence from IT Labor Data. *Information Systems Research*. 23(3-1), 599–617.
7. Tambe, P., L. Hitt, E. Brynjolfsson. (2012). The Extroverted Firm: How External Information Practices Affect Innovation and Productivity. *Management Science*. 58(5), 843–859.
8. Tambe, P., L. Hitt. (2012). Now IT's Personal: Offshoring and Shifting Skill Composition of the IT Workforce. *Management Science*. 58(4). 678–697.
9. Tambe, P., L. Hitt. (2010). How Offshoring Affects IT Workers. *Communications of the ACM*. 53(10), 62–70.
10. Hitt, L., P. Tambe. (2007). Broadband Adoption and Content Consumption. *Information Economics and Policy*. 19(3-4), 362–378.

Papers Under Review or Revision

11. Avgar, A., P. Tambe, and L. Hitt. IT Implementation and Employee Skill Acquisition: The Role of Organizational Complements. Minor revisions at *MIS Quarterly*.
12. Tambe, P., X. Ye, and P. Cappelli. Who Pays for Technical Skills? IT Investment and High-Tech Wages. Revision requested at *Management Science* (first round).

Work in Progress

13. Tambe, P. and X. Ye. Perks at Work? HR Practices for Early Technology Adopters.
14. Tambe, P. Geographic Concentration in Information Technology Investment.
15. Tambe, P. Gender and High-Tech Careers.
16. Saunders, A., P. Tambe. Data Assets and Industry Concentration: Evidence from 10-K Filings.
17. Tambe, P., L. Hitt, and E. Brynjolfsson. The Price and Quantity of IT-Related Intangible Capital.

Books and Other Articles

- Horton, J. and P. Tambe. (2015). Labor Economists Get Their Microscope: Big Data and Labor Market Analysis. *Big Data*. 3(3), 1–8.
- Ferguson, M., L. Hitt, and P. Tambe. (2013). The Talent Equation: Big Data Lessons for Navigating the Skills Gap and Building a Competitive Workforce. *McGraw Hill Publishing*.

Refereed Conferences

- Ye, X., P. Tambe. 2015. Why Do High-Tech Firms Provide Perks at Work? Proceedings of the 35th International Conference on Information Systems, Dallas, TX. (**Best Paper Nomination**)
- Ye, X., P. Tambe. 2015. Why Do High-Tech Firms Provide Perks at Work? INFORMS Conference on Information Systems and Technology.
- Agarwal, R., R. Bapna, A. Ghose, S. Slaughter, G. Shmueli, P. Tambe. 2014. Does Growing Demand for Data Science Represent New Opportunities for Information Systems? (Panel) Proceedings of the 35th International Conference on Information Systems.
- Tambe, P., X. Ye, P. Cappelli. 2014. Learning and Wages in High-Tech Labor Markets. INFORMS Conference on Information Systems and Technology.
- Agrawal, A., P. Tambe. 2013. Private Equity, Technological Investment, and Labor Outcomes. Proceedings of the 34th International Conference on Information Systems. (**Best Paper Nomination**)
- Agrawal, A., P. Tambe. 2013. Private Equity, Technological Investment, and Labor Outcomes. INFORMS Conference on Information Systems and Technology.
- Saunders, A., P. Tambe. 2013. A Measure of Firms' Information Practices Based on Textual Analysis of 10-K Filings. INFORMS Conference on Information Systems and Technology.
- Tambe, P., P. Cappelli. 2013. Reservation Wages With Consequences: Evidence from Jobs Boards. American Economic Association (AEA) Annual Meeting.
- Tambe, P. 2012. Inter-Industry IT Spillovers After the Dot-Com Bust. Proceedings of the 33rd International Conference on Information Systems, Orlando, FL.
- Tambe, P., L. Hitt, and E. Brynjolfsson. 2011. The Price and Quantity of IT-Related Intangible Capital. Proceedings of the 32nd International Conference on Information Systems.
- Tambe, P. 2011. The Dot-Com Crash, the Migration of Technical Skills, and Productivity after the Bust. INFORMS Conference on Information Systems and Technology. (**Best Paper Nomination**)
- Tambe, P., L. Hitt. 2010. Job Hopping, Knowledge Spillovers, and Regional Returns to Information Technology Investments. Proceedings of the 31st International Conference on Information Systems.
- Tambe, P., L. Hitt. 2010. Now IT's Personal: Offshoring and the Shifting Skill Composition of the U.S. Information Technology Workforce. Proceedings of the 31st International Conference on Information Systems.
- Avgar, A., P. Tambe, and L. Hitt. 2010. The Effects of Organizational Factors on Healthcare IT Costs: Evidence from New York Nursing Homes, Proceedings of the 43th Hawaii International Conference on System Sciences.
- Tambe, P., L. Hitt, and E. Brynjolfsson. 2008. The Extroverted Firm: How External Information Practices Affect Productivity Proceedings of the 29th International Conference on Information Systems.
- Tambe, P., L. Hitt. 2007. Offshoring and the Shifting Skill Composition of the U.S. Information Technology Workforce. INFORMS Conference on Information Systems and Technology.
- Tambe, P. and L. Hitt. 2006. Measuring Spillovers from Information Technology Investments. Proceedings of the 27th International Conference on Information Systems.

Invited Seminar Presentations

- 2016: Federal Reserve Bank of Atlanta, University of Texas-Dallas (scheduled).
- 2015: University of Washington, University of Illinois at Chicago, Arizona State University, Harvard Business School.
- 2014: Purdue University, Temple University, University of Minnesota, University of Illinois at Urbana-Champaign.
- 2013: Carnegie Mellon, Boston College, University of British Columbia, Michigan State University.
- 2012: University of Maryland, UC San Diego, Georgia Tech, University of Minnesota.
- 2011: UC Irvine, MIT Sloan School of Management.
- 2008: New York University, University of Minnesota, Cornell, UC Irvine, University of Maryland.

Conference Presentations

- 2016: Industry Studies Association, Academy of Management (scheduled)
- 2015: Academy of Management, NBER Summer Institute (Economics of IT and Digitization), MIT Sloan Initiative on the Digital Economy Conference, Georgia Tech Sandra A. Slaughter Software Conference, NBER Winter Conference on Digitization
- 2014: Workshop on Information Systems and Economics, International Conference on Information Systems, INFORMS Conference on Information Systems and Technology, Wharton People and Organizations Conference, American Sociological Association, Academy of Management, NBER Summer Institute (Economics of IT and Digitization), London Business School Strategy Conference, ILR Review Conference on Employment Relations in Healthcare
- 2013: International Conference on Information Systems, Duke Strategy Conference, INFORMS Conference on Information Systems and Technology (CIST), Academy of Management, UCSD/Sloan Foundation - Understanding Change in Science and Engineering, NBER Summer Institute (Economics of IT and Digitization), American Economic Association
- 2012: International Conference on Information Systems, Workshop on Information Systems and Economics, NBER Summer Institute (Income and Wealth)
- 2011: International Conference on Information Systems, Industry Studies Association Conference, Workshop for Information Systems and Economics, INFORMS Conference on Information Systems and Technology
- 2010: NBER Summer Institute (IT and Digitization), Wharton People and Organizations Conference, NYU IOMS 10th Anniversary Day, Industry Studies Association Conference, Workshop for Information Systems and Economics, International Conference on Information Systems, Hawaii International Conference on System Sciences
- 2009: Workshop for Information Systems and Economics, SASE conference
- 2008: Workshop on Information Systems and Economics, International Conference on Information System, Sloan Industry Studies Conference, Commonwealth Foundation, Academy of Management, ICIS Doctoral Consortium, INFORMS, INFORMS Conference on Information Systems and Technology
- 2007: Academy of Management, Telecommunications Policy Research Conference, International Conference on Information Systems, Workshop for Information Systems and Economics

Keynotes, Invited Panels, and Industry Presentations

- Federal Reserve Bank of Atlanta, Public Affairs Forum, "Big data and HR", 2016
- Weissberg Forum for Discourse in the Public Square at NYU DC, 2016
- MIT On-Demand Economy Conference, 2016
- Big Data for Federal Agencies (Guest Lecture), 2015

Workforce Ready, (Keynote Talk), “Big data and HR”, 2014
 Strategic Management Society, “Big data: Revolutionizing innovation and competition” 2014
 Rockefeller Foundation & Institute for the Future, “The future of youth employment”, 2014
 NYU MSBA “Analytics at work” Conference, 2014
 Berkeley Data Edge, “Big data investment, skills, and firm value”, 2014
 UT Austin Workshop on Social and Business Analytics, 2014
 The Conference Board, “Technological progress and labor market disruption”, 2014
 NYU Stern Strategy Conference, “Big data and strategic decision making”, 2014
 McGraw Hill Webcast, “Open data and big data: Job creation”, 2014
 The Conference Board, “Big data and HR”, 2014
 CareerBuilder (Webinar), “The Talent Equation”, 2014
 International Symposium on Contemporary Labor Economics (Plenary Talk), 2013
 The Conference Board, “Big data investment, skills, and firm value”, 2013
 LinkedIn, “Big data investment, skills, and firm value, 2012

Internal Talks and Other Presentations

Stern Engagement Expo, 2016
 Office of Student Engagement Undergraduate Tech Day, 2016
 NYU Stern Creativity and Innovation Seminar, 2015
 NYU MOILS (Operations Management Lunch Seminar), 2015
 IOMS Research Fest, 2014
 NYU MOILS (Operations Management Lunch Seminar), 2014
 UC Irvine IT Teaching Workshop, 2012
 NYU TUILES (IS Lunch Seminar), 2012
 NYU TUILES (IS Lunch Seminar), 2011
 NYU TUILES (IS Lunch Seminar), 2010

Teaching

Analytics & the Digital Economy (newly developed course, Instructor ratings in parentheses)
 Spring 2017, scheduled
 Fall 2016, scheduled
 Spring 2016, (6.7/7.0)

Information Technology in Business and Society (Instructor ratings in parentheses)
 Spring 2017, scheduled
 Spring 2016, (6.9/7.0)
 Fall 2015, (6.7/7.0)
 Spring 2015, (6.8/7.0, 6.8/7.0, 7.0/7.0)
 Fall 2013, (6.5/7.0, 6.5/7.0, 6.5/7.0)
 Fall 2012, (6.6/7.0, 6.7/7.0, 6.7/7.0)
 Spring 2012, (6.5/7.0, 6.5/7.0, 6.4/7.0)
 Spring 2011, (6.5/7.0, 6.2/7.0, 6.3/7.0)
 Fall 2009, (6.4/7.0, 6.7/7.0, 6.6/7.0)

Spring 2009, (6.8/7.0)

Professional Service

Associate Editor, *Management Science*, Mar 2016–Present

Associate Editor, *Information Systems Research*, Jan 2015–Present

Co-chair INFORMS Conference on Information Systems and Technology, 2015

Associate Editor, *MIS Quarterly*, Special Issue on Big Data and Societal Transformation

Associate Editor, *Information Systems Research*, Special Issue on IT and the Changing Nature of Work

Associate Editor, International Conference on Information Systems, 2011-2014

Program Committee, INFORMS Conference on Information Systems and Technology, 2011-2014, 2016

Distinguished Service Award, *Management Science*, 2014

Meritorious Service Award, *Management Science*, 2013

Reviewer for *Alfred P. Sloan Foundation*, *Contemporary Economic Policy*, *IEEE Transactions on Education*, *Information Systems Research*, *International Economic Review*, *International Conference on Information Systems (ICIS)*, *International Journal on Information Management*, *Information Resources Management Journal*, *Journal of Big Data*, *Journal of Business Research*, *Journal of Economics and Management Strategy*, *Journal of Management Information Systems*, *Journal of Strategic Information Systems*, *MIS Quarterly*, *Management Science*, *Manufacturing & Service Operations Management*, *MIT Sloan Management Review*, *Organization Science*, *Oxford Economic Papers*, *Production and Operations Management*, *Research Policy*, *Science*

Session Organizer for Academy of Management 2013 and Industry Studies Conference 2011

Session Chair for INFORMS CIST 2013, WISE 2012, and WISE 2011

Departmental Service

IS Ph.D. Co-Coordinator, 2014–Present

IS Undergraduate Advisor, 2014–Present

Co-coordinator for IOMS Colloquium Seminar Series, 2013–Present

IS Faculty Recruiting Committee, 2013, 2014, 2015, 2016

IS Research Seminar Series Organizer, 2009–2014

IS Representative for OM Faculty Recruiting, 2014

NYU Stern New Faculty Orientation, 2013, 2014

IS Ph.D. Admissions Committee, 2009, 2012, 2013

Advising and Student Committees

Ph.D. Students, Primary Advisor (year, initial placement):

Xuan Ye (2017, expected).

Ph.D. Students, Committee Member (year, initial placement):

Christina Frye (University of Illinois)

Jean Carlos Bonilla (2016, DataKind).

Tingting Nian (2015, Assistant Professor, UC Irvine).

Jason Chan (2014, Assistant Professor, University of Minnesota).

Postdoctoral Students (year, next placement):

Veeresh Thummadi (2015, Penn State).

Masters and Undergraduate Students:

Jacob Reamer

Daniel Cathie

Sakshi Chauhan

Jasdev Singh

Abhishek Kushwaha

Industry Experience

Intelligenx, 1999–2003

Vice President of Engineering

DSP Software Engineering, 1997–1999

Software Engineer

Last updated: July 22, 2016