

## Taehyun Jung

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### EDUCATION

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- 2009**      **Ph.D. in Public Policy.** Georgia Institute of Technology and Georgia State University.  
*Specialization:* Science and Technology Policy. *Minor:* Economic Methods. *Dissertation:*  
“Uses and Non-Uses of Patented Inventions.” *Committee:* John P. Walsh (chair), Diana  
Hicks, Philip Shapira, Marco Ceccagnoli, and Gregory B. Lewis
- 2003**      ICPSR Summer Program in Quantitative Methods, University of Michigan, Ann Arbor.  
**M.A. in Economics.** Yonsei University, Seoul, Korea.  
*Specialization:* International Economics and Industrial Organization
- 1997**      **M.Sc. in Physics.** Seoul National University, Seoul, Korea.  
*Specialization:* High Energy Physics (Monte Carlo simulation)
- 1995**      **B.Sc. in Physics.** Seoul National University, Seoul, Korea
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### GRANTS, AWARDS, AND FELLOWSHIPS

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- 2008**      United States **National Science Foundation**, Doctoral Dissertation Research  
Improvement Grants. Award #: 0823372. Co-PI. (PI: John P. Walsh)
- 2007**      **PRIME Network of Excellence**, Ph.D. Student Circulation Fellowship
- 2003–08**      **Georgia State University and Georgia Institute of Technology**  
Graduate Research/Teaching Assistantships
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### RESEARCH INTERESTS

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Science, Technology and Innovation Policy and Management:

- Intellectual property rights; public-private relationship; innovation and competitiveness of firms, regions and countries; evolutionary economics of innovation; organizational capabilities and organizational economics; and new trade theory

Nonprofit Management:

- Commercial transformation of nonprofit sectors (universities); nonprofits’ relationship with governments and for-profits; and social entrepreneurship
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**TEACHING EXPERIENCE**


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- 2007** Policy Research Methods II (Undergraduate core course) - *teaching evaluations available*  
Georgia State University, Andrew Young School of Policy Studies
- 2006** Microeconomic Theory (Ph.D. core course) - Teaching Assistant  
Georgia Institute of Technology, School of Public Policy
- 1997–99** C Programming Language; Contemporary Logic Design (Undergraduate)  
Royal Institute of Suan Sunandha, Department of Computer Science, Thailand
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**RESEARCH AND WORK EXPERIENCE**


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- Aug 2010–** **Lund University**, Lund, Sweden  
Researcher, CIRCLE (Centre for Innovation, Research and Competence in the Learning Economy)
- Aug 2009–** **Georgia Institute of Technology**, Atlanta, Georgia, U.S.  
**July 2010** Postdoctoral Fellow, School of Public Policy
- U.S. Innovation Survey – Division of Innovation Labor (PI: Wesley Cohen, Ashish Arora, and John P. Walsh); responsible for sample design and survey administration
- Aug 2008–** **Fraunhofer Institute for Systems and Innovation Research**, Karlsruhe, Germany  
**July 2009** Scientific Researcher, Competence Center on Policy and Regions.
- Contributed to writing a winning proposal for the “Value of patents” and was responsible for analyzing the effects of technology on international trade
  - Analyzed competitiveness and innovativeness of advanced countries.
- Feb–July** **University of Sussex**, East Sussex, U.K.  
**2008** Visiting Researcher in Science and Technology Policy Research Unit (SPRU)
- Advisor: Dr. Aldo Geuna
- 2005–08** **Georgia Institute of Technology**  
Graduate Research Assistant, School of Public Policy
- U.S. Inventor Survey (PI: Dr. John P. Walsh); responsible for sample design, survey administration, data collection, and analyses.
  - Creativity in human genetics and nanotechnology/science (with Dr. Philip Shapira); responsible for extracting highly productive researchers in the subject fields based on bibliometric techniques
- United States Agency for International Development (USAID) Last Mile Initiative Student Research Fellow
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- Assessed the Macedonia Connects Aid Project (with Dr. Michael Best)
- 2003–06**      **Georgia State University**, Atlanta, Georgia, U.S.  
Graduate Research Assistant, Public Administration and Policy
- Commercialization of nonprofit organizations (with Dr. Dennis R. Young); developed research idea, collected secondary data, conducted field interviews, and wrote papers
  - Local e-government (with Dr. Gregory Streib) and ICT transfer model for less-developed countries (with Dr. Atef Gobriel); developed research idea, collected data, and wrote a paper about local government's adoption of e-business
- 1999–2002**      **International Business Machines (IBM), Inc.**, Seoul, Korea.  
Consultant, Strategy & Change Consulting Category
- E-business and information technology strategy; information technology architecture and design (telecommunications sector); operations strategy and business process reengineering
- 1997–99**      **Korea International Cooperation Agency**, Seoul, Korea, and Bangkok, Thailand  
Korean Overseas Volunteer/College lecturer in computer science.
- 1995–97**      **Seoul National University**, Seoul, Korea  
Graduate student, High Energy Physics Laboratory
- Monte Carlo simulation of the interaction of cosmic heavy ions with calorimeters for the Advanced Thin Ionized Calorimeter (ATIC) experiment
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### JOB MARKET PAPERS

- Jung, Taehyun and John P. Walsh. 2009. Organizational paths of commercializing patented inventions: The effects of transaction costs, firm capabilities, and collaborative ties. (under the second review: *Organization Science*).
- Jung, Taehyun. 2009. Strategic nonuse of patents. (in preparation for submission to *Management Science*).

### PUBLICATIONS IN PEER-REVIEWED JOURNALS

- Young, Dennis R., Taehyun Jung, and Rick Aranson. 2010. Mission--Market Tensions and Nonprofit Pricing. *The American Review of Public Administration* 40 (2):153-169.
- Kim, Jungbu, Seongsoo Oh, and Taehyun Jung. 2010. Funding for Disaster Recovery: Increased Taxes or Charitable Donations to Nonprofits? *International Journal of Public Administration* 33 (3):1-9.

### **BOOK CHAPTERS, REPORTS, AND OTHER PUBLICATIONS**

- Jung, Taehyun, Rainer Frietsch, Bert Peeters, Bart Van Looy, and Peter Neuhäusler. 2010. The Value of Patents Estimated by Export Volume. In *The Value and Indicator Function of Patents*. Berlin: Expertenkommission Forschung und Innovation (EFI).
- Frietsch, Rainer, Taehyun Jung, Yu Meng, and Peter Neuhäusler. 2010. The Discourse on Patent Value. In *The Value and Indicator Function of Patents*. Berlin: Expertenkommission Forschung und Innovation (EFI).
- Frietsch, Rainer, and Taehyun Jung. 2009. Transnational Patents - Structures, Trends and Recent Developments. In *Studien zum deutschen Innovationssystem*. Place Published: Expertenkommission Forschung und Innovation (EFI). [http://www.e-fi.de/fileadmin/Studien/StuDIS2009/7\\_2009\\_Patentreport\\_ISI.pdf](http://www.e-fi.de/fileadmin/Studien/StuDIS2009/7_2009_Patentreport_ISI.pdf).
- Schmoch, Ulrich, and Taehyun Jung. 2009. Change of technological pattern in the European Union - A shift towards convergence? In *The Handbook of European Intellectual Property Management*, edited by A. Jolly and J. Philpott. London and Philadelphia: Kogan Page.
- Jung, Taehyun. 2008. University-Industry Collaboration - Policy, Laws, and Programs in the United States. In *Korea University-Industry Collaboration White Book 2006*, edited by D.-Y. Kim. Seoul: Korea Research Foundation.
- . 2008. The third mission of university: Issues and trends. In *Korea Research Policy (Haksul Jeongchaek)*. Seoul: Korea Research Foundation.
- . 2007. University-Industry Cooperative Education - The Case of Georgia Institute of Technology. In *The Best Practices on University-Industry Cooperative Education*. Seoul: Korea Science and Technology Policy Institute and the Ministry of Commerce, Industry and Energy, Republic of Korea.
- Jung, Taehyun, and Keegan Wade. 2007. Lessons from the Macedonia Connects Aid Model. In *Last Mile Initiative Innovations: Research Findings from the Georgia Institute of Technology*, ed M. L. Best. Place Published. <http://www-static.cc.gatech.edu/~mikeb/LMI.htm>.
- Youtie, Jan, Jingjing Zhang, Taehyun Jung, and Philip Shapira. 2005. Technology Transfer Activities of the CDC: A Bibliometric Analysis: Georgia Research Alliance.

### **MANUSCRIPTS IN PROGRESS**

- Jung, Taehyun. 2009. Federal Lab Patents, Licensing, and Value of Patents: An Explorative Study about Licensed Patents from NASA. (preparing for submission).
- . 2009. Federally Funded Patents in the United States: A First Look at Data.
- . 2009. University-Industry Joint Patenting in the U.S.: An Explorative Study.
- . 2009. The Value of Triadic Patent Families—Exploration and Some Initial Findings.

Jung, Taehyun, and Rainer Frietsch. 2009. The Internationalisation of International Co-inventions. (in preparation for submission to *the World Patent Information*).

### CONFERENCE PRESENTATIONS

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- 2010** “What Drives Strategic Patenting? Evidence from the Georgia Tech Inventor Survey”
- Academy of Management Meetings, Montreal, Canada; August 10-12
  - Korea Institute of Science and Technology Information (KISTI), Seoul; July 22
- “Organizational paths of commercializing patented inventions: The effects of transaction costs, firm capabilities, and collaborative networks” with John Walsh
- Academy of Management Meetings, Montreal, Canada; August 10-12
  - DRUID Conference, London, UK; June 17-19
  - Organization Science Workshop, Bergen, Norway; May 29-30
  - Kauffman Entrepreneurship Mentoring Workshop, Atlanta, Georgia; January 5–6
- 2009** “Federally Funded Patents in the United States: A First Look at Data”
- The 2009 Triple Helix VII Conference, Glasgow, UK; June 17–19
- “The Internationalisation of International Co-inventions,” with Rainer Frietsch
- Atlanta Conference on Science, Technology and Innovation Policy, Atlanta, Georgia; October 2–3
  - Advancing the Study of Innovation and Globalization in Organizations (ASIGO), Nuremberg, Germany; May 29–30
- 2008** “Commercialization of Innovation: Firm Size, Complementary Assets, and Openness of Innovation Process”
- The 8th Annual Roundtable for Engineering Entrepreneurship Research (REER). Atlanta, Georgia; November 8–10
  - PRIME Doctoral Conference. Twente, the Netherlands; July
  - The Summer School on the Economics and Management of Intellectual Property Rights. Bologna, Italy. June
- 2007** “Who Wants to Pay More Tax for Disaster Recovery? Comparison with Charitable Giving Behavior,” with Seong Soo Oh and Jungbu Kim
- The 36th Annual Conference of the Association for Research on Nonprofit Organizations and Voluntary Action (ARNOVA), Atlanta, Georgia; November 15–17
  - The Annual Meeting of the Association for Public Policy Analysis and Management (APPAM), Washington, D.C.; November 8–10 (poster)
- “Testing Schumpeterian Hypotheses with Data from a Developing Country: R&D Investment and Size of Firms in Thailand,” with A. Supnithadnaporn

- Atlanta Conference on Science, Technology and Innovation Policy, Atlanta, Georgia; October 19–20

“The Value of Triadic Patent Families—Exploration and Some Initial Findings”

- Atlanta Conference on Science, Technology and Innovation Policy, Atlanta, Georgia; October 19–20

“Federal Lab Patents, Licensing, and the Value of Patents: Exploring Licensed Patents from NASA”

- International Triple Helix Conference on University-Government-Industry, Singapore; May 16–18
- Science and Technology in Society: An Interdisciplinary Graduate Student Conference, Washington, D.C.; March 31–April 1

**2006** “University-Industry Joint Patenting: Exploring the Quality Difference Between UI Joint Patents and Single-firm Patents”

- Technology Transfer Society 2006 Annual Conference, Atlanta; September 27–29

“Organizational Identity and Patenting of U.S. Research Universities: A Longitudinal Study of University Patents”

- Andrew Young School Policy Forum, Georgia State University; April 14

“An Evaluation of Macedonia Connects: A Rural Internet Diffusion Aid Model,” with Keegan Wade

- The Sam Nunn Bank of America Policy Forum, Georgia Tech; March 27 (poster)

**2005** “Crossing the Chasm Between the Follower and the Innovator: A Case Study of Korea’s Mobile Equipment Manufacturing Industry”

- PRIME Doctoral Conference, the University of Sussex, U.K.; June 20–21

“Demand, Capacity of Local Government, and the Adoption of e-Government”

- Research Value Mapping–Public Management Conference 2005, Georgia Tech, Atlanta, Georgia; March 11

**ACADEMIC SERVICES AND AFFILIATIONS**

- Referee Services**
- Academy of Management Annual Meetings—Business Policy and Strategy and Technology Innovation Management.
  - Research Policy

- Professional Affiliations**
- Association for Public Policy Analysis and Management
  - Academy of Management

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**OTHER**

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**Computer skills**

- Programming Languages: C, Fortran, SQL, Java, Visual Basic, and C++ / Statistical Analysis: STATA, SAS, SPSS, and others / NetLogo, RePast, VantagePoint (data mining), ArcGIS, MatLab, Mathematica, etc.

**Personal**

- Languages: English (fluent), Korean (native), Japanese and Thai (basic)
- Elected representative of graduate students, Department of Physics, Seoul National University, 1995

Citizenship: Republic of Korea

Gender: Male

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