

HSINI HUANG

Associate Professor

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Graduate Institute of Public Affairs and Department of Political Science

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Google scholar page: <https://scholar.google.com/citations?user=rPRcQOkAAAAJ&hl=en>

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| Professional Experience |

Associate Professor	Graduate Institute of Public Affairs & Department of Political Science National Taiwan University, Taipei, Taiwan	2018 – Now
Assistant Professor	Graduate Institute of Public Affairs & Department of Political Science National Taiwan University, Taipei, Taiwan	2014 – 2018
Research Associate	University London College, London, United Kingdom	2012 – 2014
Research Assistant	Georgia Institute of Technology, Atlanta, Georgia, United States	2007 – 2012
Research Assistant	Academia Sinica, Taipei, Taiwan	2005 – 2006
Programmer	President Information Corp., Taipei, Taiwan	2001 – 2002

| Research interest |

Science, Technology & Innovation Policy, Quantitative Methodology, Organization Theory, E-Governance, Economic Geography and Innovation

| Education |

Ph.D., School of Public Policy, Georgia Institute of Technology, Atlanta, Georgia 2007 – 2012

Dissertation title:

One size doesn't fit all: Regional ecology, firm size, and innovation performance

The dissertation project focuses on the process of innovation, particularly the information flow mechanisms and how regions and firms are influenced by the structure of their institutional and ecological contexts.

Committee Members: Dr. John P. Walsh (chair), Dr. Gordon Kingsley, Dr. Janelle Knox-Hayes, Dr. Alexander Oettl, and Dr. Giacomo Negro

M.A., School of Public Policy, Georgia Institute of Technology, Atlanta, Georgia 2007 – 2008

M.S., Social Informatics, Yuan Ze University, Taoyuan, Taiwan 2002 – 2005

Thesis: *The social network and the collaborative research: A case study of IPv6 development program in Taiwan*

B.S., Management Information Systems, Yuan Ze University, Taoyuan, Taiwan 1998 – 2002

| Publications |

Refereed Journals

1. Hsini Huang, Kyoung-Choel Kim, Matthew Young, and Justin Bullock (2021) "A Matter of Perspective: Differential Evaluations of Artificial Intelligence Between Managers and Staff in an Experimental Simulation," *Asia Pacific Journal of Public Administration*, forthcoming.
2. Hsini Huang, Calvin Zhou-Peng Liao, Hsin-Chung Liao, and Don-Yun Chen (2020) "Resisting by workarounds: Unraveling the barriers of implementing open government data policy," *Government Information Quarterly*, 37(4): 101495.
3. Hsini Huang. 2020 "The effect of the small-firm dominated ecology on regional innovation," *The Annals of Regional Science*, 65: 703-725.
4. Hsini Huang (2020) "The Future of Cybersecurity across the Asia-Pacific: A Collaborative Battle in Cybersecurity? Threats and Opportunities for Taiwan," *Asia Policy*, 15(2): 101-106.
5. Hsini Huang and Shih-Hsin Chen (2020) "Revisiting the Agent Roles of the Technology Transfer Office in University Commercialization," *Journal of Technology Management*, 25(1): 33-72.
6. Hsini Huang and Simcha Jong (2019) "Public funding for science and the value of corporate R&D projects; Evidence from project initiation and termination decisions in cell therapy," *Journal of Management Studies*, 56(5): 1000-1039.
7. Hsini Huang and Tien-Shen Li (2018) "A centralized cybersecurity strategy for Taiwan," *Journal of Cyber Policy*, 3(3): 344-362.
8. Hsini Huang (2017) "Invisible Constraints: The Relationship among Non-Competition Agreements, Inventor Mobility, and Patent Commercialization," *Science and Public Policy*, 44(3): 341-353.
9. Hassan S, Huang H, Warren K, Mahdavi B, Smith D, Jong S, Farid SS (2016) "Process change evaluation framework for allogeneic cell therapies: impact on drug development and commercialization," *Regenerative Medicine*, 11(3): 287-305.
10. Shen-Chen William Chang and Hsini Huang (2016) "Institutional logics, work, and outcomes: The case of Sony and Toshiba in the HD optical disc standard war," *Journal of High Technology Management Research*, 27: 37-52.
11. John P. Walsh and Hsini Huang. (2014). "Local Context, Academic Entrepreneurship and Open Science: Secrecy and Commercial Activity among Japanese and US Scientists," *Research Policy*, 43(2): 245-260.
12. Clark, Jennifer, Hsini Huang, and John P. Walsh. (2010). "A typology of 'Innovation Districts': What It Means for Regional Resilience," *Cambridge Journal of Regions, Economy and Society*, 3(1): 121-137.
13. Huang, Hsini. (2007) "The Effects of a Change in Technology on Social Network Structure and Scientific Performance," *Journal of Cyber Culture and Information Society*, 13: 167-191. [in Chinese]
14. Chen, Chi-Kuang, Shu-Fen Tseng, and Hsini Huang. (2006). "A Comprehensive Study of the Digital Divide Phenomenon in Taiwanese Governmental Agencies," *International Journal of Internet and Enterprise Management*, 4(3): 244-256.
15. Huang, Hsini. (2004) "The Study of Information Vocational Training, Certificate Acquisition and Job Mobility," *Journal of Cyber Culture and Information Society*, 7: 255-270. [in Chinese]

Government Report

1. 2020 “A Pre-evaluation of Public Service Sandbox Experimental Scheme,” submitted to the National Development Council (NDC-MIS-109-003).
2. 2019 “An Analysis of Evidence-based eGovernance And eCommunication Strategies,” submitted to the National Development Council (NDC-MIS-108-003).
3. 2017 “An Analysis of Open Government Service Strategy: Evaluation of Government Open Data (Co-PI) Application Modes and Survey of Public Participation in Public Policy,” submitted to the National Development Council (NDC-MIS-106-003).
4. 2016 “Government Public Communication: On-line Participation and Marketing Strategies,” submitted to the National Development Council (NDC-MIS-105-004).

Book Chapter

1. Hsini Huang and Nailing Kuo. (2018). “Timly help or icing the cake? Revisiting the effect of public subsidies on private R&D investment in Taiwan,” in Podger A., Su T-S., Wanna J., Chan H. S., and Niu M. (Eds) *Value for Money: Budget and Financial management reform in the People’s Republic of China, Taiwan and Australia*, 345-366: ANU Press Australia.
2. Tseng, Shu-Fen and Hsini Huang. (2006). “International Collaborations through the Internet,” in Shrum, W., Benson, K., Bijker, W. and Brunnstein, K. (Eds.) *Past, Present and Future of Research in the Information Society*, 97-114: Springer US.

Conference Papers (selected)

1. Hsini Huang, B. Pin-Hsuan Change, C. Zhou-Peng Liao, and Don-Yun Chen “A matter of risk management: The effects of the innovation sandboxes on citizens’ risk perceptions,” presented at DG. O2021: The 22nd Annual International Conference on Digital Government Research, Omaha, USA, June 9-10, 2021.
2. Hsini Huang “The Cyber Security Industrial Policy in Taiwan: A Review of Government’s Involvement, and Does It Help?,” presented at the Workshop of Comparative Industrial Policy in the Cybersecurity Industry: Policies, Drivers, and International Implications, Berkeley, USA, October 20, 2017.
3. Huang, Hsini “The Paradox Of Open Government Information: Accountability And Transparency In The Public Sector,” presented at The 3rd Cross-Strait Academic Forum on Public Governance, Beijing, China, October 23-25, 2015.
4. Huang, Hsini and Yeonji No “A Close Look at the Work-Family Conflict in Science: Evidence from a Scientist Survey,” presented at Atlanta Conference, Atlanta, USA, September 17-19, 2015.
5. Huang, Hsini and Simcha Jong “Public Research, Technology Licensing, and IP Commercialization; Mapping Interdependencies in the Cell Therapy Field,” presented at OECD Conference on IP Statistics for Decision Makers, Tokyo, Japan, November 18-19, 2014
6. Huang, Hsini and Simcha Jong “Public research, technological innovation, and firm competitiveness: Mapping interdependencies in the cell therapy field,” presented at The 2nd Cross-Strait Academic Forum on Public Governance, Hong Kong, October 31 – November 1, 2014
7. Huang, Hsini “The Interrelationships between Non-Competes, Mobility and Innovative Performance,” presented at Mobility and Competition Clause Workshop, Munich, Germany, September 1-2, 2011.
8. Huang, Hsini, Tang, Li, and Walsh, John “Disambiguating Patent Inventors: A Non-Name-Matching Approach,” presented at ESF-APE-INV 2nd “Name Game” workshop, Madrid, Spain, December 9-10, 2010.

| Research Funding |

- Ministry of Science and Technology, TW 2021 – 2022
- The Interplay among Administration Discretion, Artificial Intelligence, and Bureaucracy: a Behavioral and Experimental Approach
 - MOST110-2410-H-002-037 (PI) \$25,000 USD
- Ministry of Science and Technology, TW 2018 – 2021
- Issue network, market and the distributive politics: A survey of business-related legislatures in Taiwan
 - MOST107-2410-H002-156-MY3 (PI) \$57,500 USD
- Ministry of Science and Technology, TW 2017 – 2018
- A study of public funding distribution in Taiwan
 - MOST105-2410-H002-022 (PI) \$ 14,000 USD
- Ministry of Science and Technology, TW 2015 – 2016
- The road we are taking: How does the change of science policy affect scientists' topic selection, collaboration, and commercial activities?
 - MOST104-2410-H-002-232 (PI) \$ 16,000 USD
- Kauffman Foundation: the Roadmap for an Entrepreneurial Economy Initiative 2009 – 2010
- "Mobile Inventors: Are they Stars, Bridges or Both?," \$12,810 USD (Co-PI; John P. Walsh, PI)
 - Conducted a one year project to examine the net value of mobile inventors
- European Science Foundation: Academic Patenting in Europe (APE-INV) May, 2010
- "A New Name-Matching Approach for Searching Patent Inventors," \$1,500 USD
 - Shared a new algorithm of name-matching method of patent inventors with the research team of Dr. Francesco Lissoni at Bocconi University
- Georgia Tech Program in Science, Technology and Innovation Policy (STIP) June – August, 2010
- "Transforming Inventions to Commercialized Innovations: Does Region Matter?," \$6,000 USD
 - Conducted a short-term research, aiming at understanding the regional innovation clusters

| Services to Profession (Since 2012) |

- Journal reviewer: *Research Policy*, *Journal of Management Studies*, *Government Information Quarterly*, *Science and Public Policy*, *Technology Transfer*, and many Taiwanese journals.

| Awards & Honor |

- Exceptional Performance Award, National Taiwan University 2020
- Exceptional Performance Award, National Taiwan University 2019
- Postdoctoral Fellowship for Foreign Researchers, JSPS 2012
- Outstanding PhD Student Award, School of Public Policy, Georgia Institute of Technology 2009
- Academic Excellent Graduate Student Award, Yuan Ze University 2005
- Yu-Hsiang Scholarships (merit-based), Yuan Ze University 2000

|Teaching Courses @NTU|

- Research methods
 - Bachelor: social science research method, applied statistics
 - Master: advanced statistics, policy network and social network analysis
- Policy domain
 - Master: Science and technology policy, e-governance & information Society, decision-making process analysis: the application of AI in the government
- Core theory
 - Doctoral: public administration, public policy

|Language|

- Mandarin (Native), English (Professional proficiency)