

CURRICULUM VITAE

Jue Wang

Associate Professor

Nanyang Technological University

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EMPLOYMENT

- **Head**, Public Policy and Global Affairs, School of Social Sciences, Nanyang Technological University, Singapore, May 2019 ~ present
- **Deputy Director**, Nanyang Center for Public Administration, NTU, Oct 2018 ~ present
- **Associate Professor** (with tenure), School of Social Sciences, Nanyang Technological University, Singapore, Feb 2019 ~ present
- **Assistant Professor** (tenure track), School of Social Sciences, Nanyang Technological University, Singapore, Jan 2012 ~ Feb 2019
- **Assistant Professor** (tenure track), Department of Public Administration, Florida International University, Miami USA, Aug 2008 ~ Dec 2011
- **Research Associate**, Enterprise Innovation Institute, Georgia Tech, Atlanta USA, Aug 2002 ~ Jul 2008
- **Research Fellow**, Fraunhofer Institute for Systems and Innovation Research, Karlsruhe Germany, May 2005 ~ Jul 2006

EDUCATION

- Ph.D. in Public Policy (2007), Georgia Institute of Technology, USA
- M.S. in Management (2002), Chinese Academy of Sciences, China
- B.S. in Biomedical Engineering (1999), Shanghai Jiao Tong University, China

JOURNAL ARTICLES

1. Wei Li, Jue Wang*, Rongxiao Chen, Yongqin Xi, Shi Qiang Liu, Feimei Wu, Mahmoud Masoud, and Xueping Wu (2019), Innovation-driven industrial green development: the moderating role of regional factors, *Journal of Cleaner Production* 222: 344-354. [SSCI Indexed; IF: 5.651]
2. Jue Wang*, Rosalie Hooi, Andrew Li and Meng-Hsuan Chou (2019), "Collaboration patterns of mobile academics: the impact of international mobility". *Science and Public Policy* (online first) [SSCI Indexed; IF: 1.368]
3. Jue Wang* and Rosalie Hooi (2019), "Motivation for innovation: A study of work climate among university faculty in Singapore". *Technology Analysis & Strategic Management* (online first) [SSCI Indexed; IF: 1.490]
4. Jue Wang* (2018), "Innovation and government intervention: A comparison of Singapore and Hong Kong". *Research Policy* 47(2): 399-412. [SSCI Indexed; IF: 4.661]
5. Liwei Zhang and Jue Wang* (2018), "Why highly cited articles are not highly tweeted?". *Scientometrics* 117(1): 495-509. [SSCI Indexed; IF: 2.173]
6. Jue Wang* and Liwei Zhang (2018), "Proximal advantage in knowledge diffusion: Evidence from publication citations". *Journal of Informetrics* 12(3): 858-867. [SSCI Indexed; IF: 3.484]
7. Yasmin Ortiga, Meng-Hsuan Chou, Gunjan Sondhi, and Jue Wang (2018), "Working within the Aspiring Centre: Professional Status and Mobility Among Migrant Faculty in Singapore". *Higher Education Policy* (online first). [SSCI Indexed; IF: 0.821]
8. Yasmin Ortiga, Meng-Hsuan Chou, Gunjan Sondhi and Jue Wang (2018), "Academic 'centres', Epistemic difference and brain circulation", *International Migration*. 56(5): 90-105. [SSCI Indexed; IF: 1.040]
9. Jue Wang* and Wenxuan Yu (2017), "Government Performance in the Eyes of Business: An

- Empirical Study of SMEs in China”, *Public Performance and Management Review*, 40(4): 701-721. [SSCI Indexed; IF: 1.197]
10. Jue Wang* and Philip Shapira (2015), “Is there a relationship between research sponsorship and publication impact? An analysis of funding acknowledgments in nanotechnology papers”, *PLOS ONE* 10(2): e0117727. doi:10.1371/journal.pone.0117727 [SCI Indexed; IF: 2.766]
 11. Jue Wang* (2014), “R&D activities in start-up firms: What can we learn from founding resources?”, *Technology Analysis & Strategic Management*, 26(5): 517-529. [SSCI Indexed; IF: 1.490]
 12. Jue Wang, Shaoming Chen and Sukumar Ganapati (2012), “Path Dependency in Regional ICT Innovation: Differential Evolution in Zhongguancun and Bangalore”, *Regional Science Policy & Practice*, 4(3): 231-245.
 13. Jue Wang* and Philip Shapira (2012), “Partnering with Universities: A Good Choice for New Nanotechnology-based Firms?”, *Small Business Economics*, 38(2): 197-215. [SSCI Indexed; IF: 2.852]
 14. Jue Wang* and Philip Shapira (2011), “Funding Acknowledgement Analysis - An Enhanced Tool to Investigate Research Sponsorship Impacts: The Case of Nanotechnology”, *Scientometrics*, 87(3): 563-586. [SSCI Indexed; IF: 2.173]
 15. Philip Shapira and Jue Wang (2010). “Follow the Money: What Was the Impact of the Nanotechnology Funding Boom of the Past Ten Years?”, *Nature* 468: 627-628. [SCI Indexed; IF: 41.577]
 16. Philip Shapira and Jue Wang (2009), “From Lab to Market? Strategies and Issues in the Commercialization of Nanotechnology in China”, *Asian Business & Management*, 8(4): 461-489. [SSCI Indexed; IF: 1.179]
 17. Rainer Frietsch and Jue Wang (2009), “China’s Chemical Industry – Indications of Scientific and Economic Competitiveness”, *Chemistry Today*, 27(5): 50-54. [SCI Indexed; IF: 0.396]
 18. Jan Youtie, Philip Shapira, Aselia Urmanbetova, and Jue Wang (2007), “A Brief History of the Future of Manufacturing: U.S. Manufacturing Technology Forecasts in Retrospective, 1950-present”, *International Journal of Foresight and Innovation Policy*, 3(3): 311-331.
 19. Jue Wang, Li Xiao, and Bin Zhu (2002). Global Warming and Energy Development in China. *Journal of Dialectics of Nature*, 24(4): 32-37. (in Chinese)

OTHER PUBLICATIONS

1. Jue Wang* (2018), “A tale of two cities: innovation in Singapore and Hong Kong”, in Thomas Clarke (eds), *Innovation in the Asia Pacific: From Manufacturing to Knowledge Economies*. Springer, pp.101-117.
2. Li Tang, Jue Wang and Philip Shapira (2010), “China”, in David Guston and J. Geoffrey Golson (eds), *Encyclopedia of Nanoscience and Society*, SAGE publication. ISBN: 978-14-12-96987-1.
3. Jue Wang* (2009), *Resource Spillover from Academia to High-Tech Industry*, Germany: VDM Verlag. ISBN: 978-36-39-08243-2.
4. Rainer Frietsch and Jue Wang (2008), “Intellectual Property Rights and Innovation Activities in China: Evidence from Patents and Publications”, in *OECD Reviews of Innovation Policy: China*, Paris: OECD, pp. 406-413. ISBN: 978-92-64-03981-0.

TECHNICAL REPORTS (*selected*)

1. Menghsuan Chou, Jue Wang and Andrew X. Li (2017), *How to retain academic talents in Singapore?* Policy Brief. Singapore: Nanyang Technological University. DOI: 10.13140/RG.2.2.22502.73285.
2. Menghsuan Chou, Jue Wang and Andrew X. Li (2017), *What attracts academic talents to Singapore?* Policy Brief. Singapore: Nanyang Technological University. DOI: 10.13140/RG.2.2.27548.69762.
3. Meng-Hsuan Chou, Jue Wang, Andrew X. Li, and Yasmin Y. Ortiga (2017). Singapore in the Global Talent Race Survey Report. Singapore: Nanyang Technological University. DOI:10.13140/RG.2.2.20141.90081.
4. Jue Wang* and Li Tang (2008), INNO-Policy Trendchart Policy Trends and Appraisal - China. Report to the European Commission. Brussels: European Commission, DG Enterprise.
5. Philip Shapira and Jue Wang (2007), "R&D Policy in the United States: The Promotion of Nanotechnology R&D", *Monitoring and analysis of policies and public financing instruments conducive to higher levels of R&D investments - The "Policy Mix" Project*. European Commission, DG Research (DG-RTD-2005-M-01-02).
6. Jue Wang* (2007), INNO-Policy TrendChart Innovation Policy Trends and Appraisal - China. Report to the European Commission. Brussels: European Commission, DG Enterprise.
7. Jue Wang* (2007), ERAWATCH Research Inventory Report-China. Report to the European Commission. Brussels: European Commission.
8. Rainer Frietsch and Jue Wang (2007). "Intellectual Property Rights and Innovation Activities in China: Evidence from Patents and Publications", *Fraunhofer ISI Discussion Papers Innovation System and Policy Analysis, No. 13/2007*, Karlsruhe: Fraunhofer ISI (ISSN 1612-1430).
9. Ulrich Schmoch, Jue Wang, and Romina Stoica (2005), *Research and Development in the Turkish Landscape of Science*, Report to the Federal Ministry of Education and Research of Germany.
10. Jan Youtie, Philip Shapira, John Slanina, Jue Wang, Jingjing Zhang (2005), *Innovation in Manufacturing: Needs, Practices, and Performance in Georgia, 2002-2005*, GaMEP Evaluation Working Paper: E200502.
11. Philip Shapira, Jan Youtie, Jue Wang, Deepak Hegde, David Cheney, Quindi Franco, and Sushanta Mohapatra (2004), *Assessing the Value of Information and its Impact on Productivity in Small and Midsize Manufacturers*, SRI International. Prepared for Futures Group, Manufacturing Extension Partnership, National Institute of Standards and Technology, November 2004.
12. Jue Wang and David Roessner (2003), *Selected Public Policies for Knowledge Economy Promotion in Benchmark Countries*, Paper prepared for Study on Knowledge Content in Key Economic Sectors in Malaysia, UNDP Reference: MAL/02/009.

GRANTS AND AWARDS

As Principal Investigator

1. HASS Incentive Scheme for the Development of Competitive Grant, NTU, 2016-2018, S\$3,600 (US\$2,700).
Title: *Government intervention and innovation dynamics: a study of innovative cities in Asia*.
2. Science of Research, Innovation and Enterprise (SRIE) grant, National Research Foundation, 2015-2017. S\$876,552 (US\$662,500).
Title: *Singapore in the Global Talent Race*.
3. Academic Research Fund Tier 1 Grant, Singapore Ministry of Education, 2013-2018. S\$96,980 (US\$73,300).
Title: *Academic Entrepreneurship in Singapore: A Comprehensive Evaluation*.
4. Start-up Grant, Nanyang Technological University, 2012-2015. S\$35,000 (US\$26,500).
Title: *Science and innovation policy in Asia: the role of S&T parks*.
5. Morris and Anita Broad Research Fellowship Awards, Florida International University, 2011.

US\$1,000.

Title: *R&D activities in Start-up firms.*

6. Competitive Summer Faculty Development Award, Florida International University, 2010. US\$5,800.

Title: *Who is funding nanotechnology and how?*

7. NSF Center for Nanotechnology in Society at Arizona State University. 2007-2008. US\$10,000.

Title: *Nanotechnology in China: Research, Development and Commercialization-Phase I.*

As Co-Principal Investigator

8. NSF Center for Nanotechnology in Society at Arizona State University. 2009-2010. US\$10,000

Title: *Nanotechnology in China: Research, Development and Commercialization-Phase II.*

As Collaborator

9. National Natural Science Foundation of China. 2018-2022. CNY550,000

Title: *A study of the impact of external environment on enterprise innovation ecosystem*

10. TUM Global Incentive Fund. 2018-2019. Euro12,200

Title: *Transformations of Career Development in Academia*

11. Shenzhen S&T Innovation Commission. 2018-2019. CNY20,000

Title: *A comparative study of innovation system*

CONFERENCES AND WORKSHOPS

1. 2nd International MQM Conference on Tradition and Innovation, Mosco, April 2019
Keynote Speaker: The governance of innovation: a comparative study in Asian context
2. 4th Asia-Pacific Public Policy Network Conference, Hong Kong, March 2019
Presentation: Innovation in Asia: a comparative study of Singapore, Hong Kong and Shenzhen
3. Public Management Research Conference, Singapore, May 2018
Presentation: Mobility and collaboration network: a study of academics in Singapore
4. 3rd Asia-Pacific Public Policy Network Conference, Beijing China, March 2018
Presentation: Global talent: mobility and research
5. Workshop on Science, Technology and Innovation Policy in the Era of Uncertainty, Singapore, November 2017
Workshop organizer (15 speakers; 60 participants)
6. Atlanta Conference on Science and Innovation Policy, Atlanta USA, October 2017
Presentation: Time perspectives of work climate and innovation: A study of university faculty in Singapore
7. International Conference of Public Policy, Singapore, June 2017
Panel chair: Innovation, entrepreneurship and urban policy: International Experiences
Presentation: The role of government in innovation: Insights from the comparative study of Singapore and Hong Kong
8. 2nd Asia-Pacific Public Policy Network Conference, Chiang Mai Thailand, February 2017
Presentation: Government intervention and innovation dynamics: A comparison of Singapore and Hong Kong
9. The 7th Asia-Pacific Innovation Conference Program, Fukuoka Japan, November 2016
Presentation: Academic entrepreneurship: insights from academic scientists in Singapore
10. East Asia Institute, National University of Singapore, April 2016
Invited talk: A tale of two cities: innovation in Singapore and Hong Kong
11. International Research Society for Public Management Conference (IRSPM), Hong Kong, April 2016
Presentation: How does open government affect local business' perception of the environment?

12. Atlanta Conference on Science and Innovation Policy, Atlanta USA, Sep 2015
Presentation: Government and innovation: a comparison of Hong Kong and Singapore
13. The 5th Asia-Pacific Innovation Conference, Sydney, Australia, November 2014
Presentation: A tale of two cities: innovation in Singapore and Hong Kong
14. 2014 American Association for the Advancement of Science (AAAS) Annual Meeting, Chicago, IL, February 2014
Presentation: Is there a relationship between research sponsorship and publication impact? An analysis of funding acknowledgements in nanotechnology papers
15. Association for Public Policy Analysis and Management (APPAM) International Conference, Shanghai, China, May 2013
Presentation: How does government-business interaction affect the perceived business environment?
16. International Research Society for Public Management Conference (IRSPM), Prague, Czech Republic, April 2013
Presentation: Creating better business environment: a challenge for public management
17. American Society for Public Administration Annual Conference (ASPA), New Orleans, Louisiana, March 2013
Presentation: Does public participation lead to better perceived business environment?
18. East Asia Institute, National University of Singapore, July 2012
Invited talk: From Lab to Market: Strategies and Issues in the Commercialization of Nanotechnology in China
19. Public Management Research Conference (PMRC), Shanghai China, May 2012
Presentation: Emotional labor in public service: an exploratory study of China
20. Sino-US International Conference in Public Administration, Beijing China, June 2012
Presentation: Economic development and regional innovation system: a comparison between ZGC and Bangalore
21. Annual Conference of the Association for Public Policy Analysis and Management (APPAM), Washington DC USA, November 2011
Presentation: How does funding affect research outcome?
22. Atlanta Conference on Science and Innovation Policy, Atlanta USA, Sep 2011
Presentation: The contribution of public funding to science: an investigation of research quality
23. Annual Conference of the Association for Public Policy Analysis and Management (APPAM), Boston USA, November 2010
Presentation: Funding Acknowledgement Analysis: The Link Between R&D Input and Output
24. American Evaluation Association Conference, Orlando USA, November 2009
Presentation: Who is Funding Nanotechnology and How?
25. Atlanta Conference on Science, Technology, and Innovation Policy, Atlanta USA, Oct 2009
Presentation: Drivers of Regional Innovation System
26. Association for Asian Studies Annual Conference, Atlanta USA, April 2008
Presentation: From Lab to Market: Strategies and Issues in the Commercialization of Nanotechnology in China
27. Atlanta Conference on Science, Technology, and Innovation Policy, Atlanta USA, Oct 2007
Presentation: Nanotechnology in China: Research, Development and Commercialization
Presentation: IPR and Innovation Activities in China
28. NSF Workshop-Science and Technology in the New Global Economy, Washington DC USA, Sep 2007
Presentation: From Lab to Market: Strategies and Issues in the Commercialization of Nanotechnology in China
29. National Academia's Conference on Dragon and the Elephant: Understanding the Development of Innovation Capacity in China and India, Washington DC USA, Sep 2007
Poster presentation: From Lab to Market: Strategies and Issues in the Commercialization of Nanotechnology in China
30. 6th Triple Helix Conference on University, Industry and Government Linkages, Singapore, May 2007
Presentation: Is Networking with University Scientists Beneficial to High-Tech Enterprises?

31. OECD-China Workshop on Science and Technology Indicator, Chongqing China, Oct 2006
Rapporteur: NIS Indicators in OECD Countries and China
32. Technology Transfer Society Conference, Atlanta USA, Sep 2006
Presentation: Resource Spillover from Academia to High Tech Industry
33. 3rd International Prime Ph.D. Conference, Copenhagen Denmark, June 2006
Presentation: Partnering with Universities: A Good Choice for Nanotechnology Start-ups?
34. International Conference on Asia's Growing Importance in the Global Innovation System, Hamburg Germany, March 2006
Discussion: Nanotechnology Research in China: Performance, Policy, and Prospects

TEACHING

At NTU

- HA 9101 Public Policy Analysis (Ph.D. level)
- HA 9206 Principles of Policy Analysis (Undergraduate level)
- HA 8001 International Science and Technology Policy (Undergraduate level)
- HA 2011 Cost-benefit Analysis in Public Policy (Undergraduate level)
- HA 3002 Research Methods in Social Sciences (Undergraduate level)
- HA 3012 Policy Evaluation (Undergraduate level)
- PM 6105 Research and Statistical Methods in Policy Analysis (Master level)

At FIU

- PAD 4704 Applied Statistics (Undergraduate level)
- PAD 7707 Advanced Applied Research Methods (Ph.D. level)
- PAD 7702 Empirical Methods in Public Administration (Ph.D. level)
- PAD 6142 Management of Nonprofit Organizations (Master level)
- PAD 6726 Applied Research Methods (Master level)
- PAD 7705 Applied Quantitative Analysis (Ph.D. level)

SERVICE

To NTU

- Deputy Director of Nanyang Center for Public Administration, 2018 ~ present
- Senate Committee on Faculty Development, 2018 ~ present
- Coordinator of the Neuroscience, Society and Governance Research Cluster, 2017 ~ present
- Coordinator of PPGA undergraduate program, 2014 ~ present
- Coordinator of PPGA undergraduate admission committee, 2013 ~ 2014
- Coordinator of PPGA undergraduate scholarship committee, 2013 ~ 2014
- Library representative for PPGA, 2012 ~ present
- Supervisor of PhD student: Gayathri Haridas
- Supervisor of master students: Song Boying; Wei Tongji; Zhu Yongsheng; Zhou Lei; Li Wei; Li Cheng; Haifa Hameed Hamed Almezini; Heba Hameed H Almezini; Yang Jiesi; Yang Yimo; Liu Xin; Bun Namheng; Chea Leng; Ly Bora; Joshi Ankit; Dmytro Senik; Emerson Xu
- Member of the PhD thesis advisory committee of PhD student: Kenneth Lee
- Examiner of PhD thesis of PhD student: Wong Teck Yenn; Chengwei Xu; Ariful Haque

To FIU

- Member of the Faculty Search Committee, 2010
- Member of the Bachelor of Public Administration (BPA) program committee, 2008-present
- Member of the PhD dissertation committee of PhD student: Liguang Liu; Donna Comrie

To the field

- Scientific Committee: IAS-Lien 2019 Conference: Effective, Accountable and Inclusive Governance; the 18th International Triple Helix Conference 2018

- Reviewer of manuscript for journals: *Research Policy, Policy Studies, R&D Management, PLOS One, Technology Analysis and Strategic Management, International Journal of Technology Management, Scientometrics, Science and Public Policy, Small Business Economics, Economic Development Quarterly, Research Evaluation, Journal of Technology Transfer, Evaluation and Program Planning, Asian Business and Management*
- Reviewer of manuscripts for conferences: *Academy of Management Annual Meeting, International Conference on Innovative Methods for Innovation Management and Policy*

OTHER ACTIVITIES

- Certificate, Foundations in University Learning and Teaching, 2012
- Certificate, Quality Matters - Teaching Training Program, 2010
- Country correspondent for China, European Commission-ERAWATCH Baseload Inventory, 2006-2008
- Country correspondent for China, European Commission-ProInno Policy Trend Chart Project, 2007-2008