

Curriculum Vita

Tian Tang

Askew School of Public Administration and Policy
Florida State University, Tallahassee, FL 32306
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Professional Preparation

- 2016 Ph.D., Syracuse University. Major: Public Administration.
- 2011 MPP, Tsinghua University, Beijing, China. Major: Public Policy.
- 2008 B.A., Tsinghua University, Beijing, China. Major: Law & Economics.

Professional Experience

- 2022–present Associate Professor, Askew School of Public Administration and Policy,
Florida State University.
- 2020–present Director, Sustainability and Governance Lab, Florida State University.
- 2016–2022 Assistant Professor, Askew School of Public Administration and Policy,
Florida State University.
- 2014–2015 Giorgio Ruffolo Research Fellow, Sustainability Science Program,
Harvard University.

Areas of Expertise

Energy Policy, Technology Policy, Technology Innovation, Climate Resilience, Sustainability,
Smart Cities, Policy Analysis, Program Evaluation.

Honors, Awards, and Prizes

Faculty Research & Creative Activity Award (Early Career), College of Social Sciences and
Public Policy, Florida State University (2021).

ITIF Energy Innovation Policy and Management Scholar, Information Technology and
Innovation Foundation (ITIF) (2019).

Awarded to 18 early-career researchers nationally to recognize their efforts in bridging the gap between
research and policymaking in energy innovation.

40 for 40 Fellowship Award, Association for Public Policy Analysis & Management (APPAM)

(2018).

Awarded to 40 early-career policy scholars globally to recognize their meaningful contributions to the field of public policy.

Research and Original Creative Work

Publications

Refereed Journal Articles

(*Co-first author; **Student co-author when the paper was written; +Corresponding or co-corresponding author if not first author)

1. **Li, W., +**Tang, T.**, Lee., H., Liu, Y., **Zheng, G. (2024). Reward exploitation or exploration? The effects of local government sustainability strategies and performance information on citizen evaluation. Forthcoming at *Public Management Review*. (Impact factor: 5.0. PMR is a leading journal in public administration.)
2. **Tang, T.**, **Luo, T., & **Harper, W. (2024). Resilience in complex disasters: Florida's hurricane preparedness, response, and recovery amid COVID-19. *International Journal of Disaster Risk Reduction*, 102. doi:10.1016/j.ijdr.2024.104298 (Impact factor: 4.2.)
3. **Zheng, G., Yi, H., Berry, F., & **Tang, T.** (2024). Interlocal Collaborative Processes and Network Position: The Combined Effects on Environmental Performance. *Public Management Review*. doi:10.1080/14719037.2024.2309624 (Impact factor: 5.0. PMR is a leading journal in public administration.)
4. Zhang, W., Liu, X., Zhao, S., & **Tang, T.** (2024). Does green finance agglomeration improve carbon emission performance in China? A perspective of spatial spillover. *Applied Energy*, 358. doi:10.1016/j.apenergy.2023.122561 (Impact factor: 10.1.)
5. Chang, H., Xu, K., & **Tang, T.** (2024). Investigating the Temporal Dynamics of Motor Vehicle Collision Density Patterns in Urban Road Networks - A Case Study of New York. *Journal of Safety Research*. (Impact factor: 4.1. Journal of Safety Research is the flagship journal of the National Safety Council.)
6. Chen, S., Sun, Y., Zhao, T., Jia, M., & **Tang, T.** (2024). Data-Driven Modeling of Hurricane Evacuee's Individual Decision-Making for Enhanced Hurricane Evacuation Planning: A Florida Case Study in the COVID-19 Pandemic. *Natural Hazards Review*, 25(4). doi: 10.1061/NHREFO.NHENG-1976
7. Stevens, K., **Tang, T.**, & Hittinger, E. (2023). Innovation in Complementary Energy Technologies from Renewable Energy Policies. *Renewable Energy*, 209, 431-441. doi:10.1016/j.renene.2023.03.115 (Impact factor: 9.0.)
8. **Tang, T.**, & **Kim, H. (2023). Linking Energy Policy, Energy Insecurity, and Health Outcomes. *Frontiers in Sustainable Energy Policy*, 2. doi:10.3389/fsuep.2023.1231821

9. Zhao, T., Jia, M., **Tang, T.**, & Sun, Y. (2023). Perception of Hurricane and COVID-19 Risks for Household Evacuation and Shelter Intentions. *The Professional Geographer*. doi:10.1080/00330124.2022.21 (The PG is a flagship journal of the American Association of Geographers.)
10. Gao, X., Canfield, C., **+Tang, T.**, ****Hill, H.**, ****Higman, M.**, & Cornwell, J. (2022). Encouraging Voluntary Government Action via a Solar-Friendly Designation Program to Promote Solar Energy in the U.S. *Proceedings of the National Academy of Sciences*, 119(11). doi:10.1073/pnas.2106201119
11. **Tang, T.**, ****Li, W.**, & ****Zheng, G.** (2022). Network governance and effectiveness on renewable energy integration: A comparative case study on power transmission networks in the United States. *Chinese Public Administration Review*. doi:10.1177/1539675422112882
12. Baldwin, E., & **Tang, T.** (2021). Hierarchies, markets, and collaborative networks in energy governance: Multilevel drivers of renewable energy deployment. *Journal of Environmental Management*, 290. doi:10.1016/j.jenvman.2021.112614 (Impact factor: 8.0.)
13. **Tang, T.**, Hou, J., Fay, D. L., & ****Annis, C.** (2021). Revisit the drivers and barriers to e-governance in the mobile age: A case study on the adoption of city management mobile apps for smart urban governance. *Journal of Urban Affairs*, 43 (4). (JUA is the official journal of the Urban Affairs Association and a premier journal in urban affairs.)
14. Zeng, J., Tong, W., & **Tang, T.** (2021). How do clean energy policies affect industrial green development in China? *Chinese Journal of Population, Resources and Environment*. doi:10.1016/j.cjpre.2021.04.020 (Impact factor: 3.9)
15. ****Annis, C.**, Hou, J., & **Tang, T.** (2021). Perceptions, motivators, and barriers of using city management applications among citizens: a focus group approach. *Information Technology & People*. doi:10.1108/ITP-03-2020-0148
16. Lim, T., **Tang, T.**, & Bowen, W. (2021). The Impact of Intergovernmental Grants on Innovation in Clean Energy and Energy Conservation: Evidence from the American Recovery and Reinvestment Act. *Energy Policy*, 148. doi:10.1016/j.enpol.2020.111923 (Journal's impact factor: 9.3.)
17. ****Xu, K.**, & ***Tang, T.** (2020). Closing the Gap or Widening the Divide: The Impacts of Technology-Enabled Coproduction on Equity in Public Service Delivery. *Public Administration Review*, 80(6), 962-975. doi:10.1111/puar.13222 (Impact factor: 8.3. PAR is a top journal in public administration.)
18. Zhang, F., **Tang, T.**, Su, J., & Huang, K. (2020). Inter-sectoral networks and clean energy innovation: Evidence from the wind power sector. *Journal of Cleaner Production*, 263. doi:10.1016/j.jclepro.2020.121287 (Impact Factor: 9.7)
19. Kim, J. E., & ***Tang, T.** (2020). Preventing early lock-in with technology-specific policy designs: The Renewable Portfolio Standards and diversity in renewable energy technologies.

Renewable and Sustainable Energy Review, 123(5). doi:10.1016/j.rser.2020.109738 (Impact factor: 16.3.)

20. Kim, S., Swann, W., Weible, C., Bolognesi, C., Krause, R., Park, A., **Tang, T.**, Maletsky, K., & Feiock, R. (2020). Updating the Institutional Collective Action Framework. *Policy Studies Journal*. doi:10.1111/psj.12392 (PSJ is a top journal in public administration/policy.)
21. **Tang, T.**, & Ho, Alfred Tat-Kei. (2019). A path-dependence perspective on the adoption of Internet of Things: Evidence from early adopters of smart and connected sensors in the United States. *Government Information Quarterly*, 36(2), 321-332. (Journal's impact factor: 7.8. GIQ is a top journal in digital governance and government information technology.)
22. **Tang, T.** (2018). Explaining technological change in the US wind industry: Energy policies, technological learning, and collaboration. *Energy Policy*, 120, 197-212. (Impact factor: 9.3.)
23. **Tang, T.**, & Hill, H. (2018). Implementation and Impacts of Intergovernmental Grant Programs on Energy Efficiency in the USA. *Current Sustainable/Renewable Energy Reports*, 5(1), 59-66.
24. Huenteler, J., **Tang, T.**, Chan, G., & Anadon, L. D. (2018). Why is China's wind power generation not living up to its potential? *Environmental Research Letters*, 13(4), 044001. (Journal's impact factor: 6.7.)
25. Binz, C., **Tang, T.**, & Huenteler, J. (2017). Spatial lifecycles of cleantech industries—The global development history of solar photovoltaics. *Energy Policy*, 101, 386-402. (Journal's impact factor: 9.3.)
26. **Tang, T.**, & Popp, D. (2016). The learning process and technological change in wind power: Evidence from China's CDM wind projects. *Journal of Policy Analysis and Management*, 35(1), 195-222. (Featured in the National Bureau of Economic Research (NBER) Digest. JPAM is a top journal in public administration/policy.)

Nonrefereed Reports

Canfield, C., Tang, T., Gao, X., Rai, V., Higman, M., Hill, H., & Cornwell, J. (2021). *SolSmart Evaluation Research Insights*. The Solar Foundation.

This report summarizes the major findings of our evaluation of the SolSmart Program and recommends areas for program improvement.

Binz, C., Chan, G., Dobliger, C., Huenteler, J., Shi, D., Tang, T., Xu, L., & Anadon, L. D. (2015). *Energy Technology Innovation Policy in the Backdrop of the US-China Emissions Agreement* (Workshop Report). Cambridge, MA: Harvard Kennedy School.

Contracts and Grants

External Grants Funded

1. **Tang, Tian** (PI). (Oct 2024–Aug 2028). *EPA Greenhouse Gas Reduction Fund Solar for All Grant*. Funded by the U.S. Environmental Protection Agency via a subcontract with The Nature Conservancy. Total award \$311,127.
2. Farid, Amro (PI), Youcef-Toumi, Kamal (Co-PI), **Tang, Tian** (Co-PI), & Arpan, Laura (Co-PI). (Jul 2024–Jun 2027). *SCC-IRG Track 1: Assessing the Potential for Transactive Energy Communities in Rural New Hampshire*. Funded by the National Science Foundation. (2327280). Total award: \$1.7 Million.
3. Little, John (PI), Farid, Amro (Co-PI), **Tang, Tian** (Co-PI), Arpan, Laura (Co-PI) Bitterman, Patrick (Co-PI), Webster, D.G, Welty, Claire (Co-PI). (Oct 2023–Sep 2028). Collaborative Research: GCR: Convergent Anthropocene Systems (Anthems) – A System-of-Systems Paradigm. Funded by the National Science Foundation. (2317874). Total award: \$3.6 Million.
4. **Tang, Tian** (PI), Li, Fang (Co-PI), & Holmes, Tisha (Co-PI). (Oct 2023–Oct 2025). *EPA Climate Pollution Reduction Southeast Florida Region SubGrant*. Funded by U.S. Environmental Protection Agency via a subcontract with Miami-Dade County. Total award \$222,411.
5. Gao, Xue (PI), **Tang, Tian** (Co-PI), & Nock, Destenie (Co-PI). (Aug 2023–Jul 2026). *Collaborative Research: Energy Efficiency and Energy Justice: Understanding Distributional Impacts of Energy Efficiency and Conservation Programs and the Underlying Mechanisms*. Funded by the National Science Foundation. (2315027). Total award \$625,280.
6. Ozguven, Eren Erman (PI), **Tang, Tian** (Co-PI), & Piekalkiewicz, Ellen (Co-PI). (Apr 2020–Mar 2025). *CoPe RCN: Resilient Rural Infrastructure*. Funded by the National Science Foundation. (1940319). Total award \$426,376.
7. Canfield, Casey (PI), **Tang, Tian** (Co-PI), Rai, Varun (Co-PI), & Gao, Xue (Co-PI). (May 2020–Dec 2020). *Collaborative Research: The SolSmart Program Evaluation*. Funded by the U.S. Department of Energy via a subcontract with The Solar Foundation. Total award \$145,000.
8. Shekhar, Shashi (PI), **Tang, Tian** (Co-PI), Merwade, Venkatesh (Co-PI), Ramaswami, Anu (Co-PI), & Marshall, Julian (Co-PI). (Sep 2017–Aug 2022). *S&CC-IRG Track 1: Connecting The Smart-City Paradigm With A Sustainable Urban Infrastructure Systems Framework To Advance Equity In Communities*. Funded by the National Science Foundation. (1737633). Total award \$2.5 Million.

9. **Tang, Tian** (PI). (Aug 2019–Jul 2022). *SRN: Integrated Urban Infrastructure Solutions for Environmentally Sustainable, Healthy and Livable Cities*. Funded by the National Science Foundation. (SUB0000353). Total award \$230,136.

Internal Grants Funded

1. Wang, Guang (PI), Tang, Tian (Co-PI), Coleman, Eric A (Co-PI), & Ozguven, Eren Erman (Co-PI). (Aug 2023–Aug 2025). *SCS: A Socially Informed Electric Vehicle Promotion Framework for Rural Innovation towards Environmental, Social, and Economic Sustainability*. Funded by FSU. Total award \$150,000.
2. Tang, Tian (PI), & Zheng, Guimin (Co-PI). (Nov 2022–Aug 2023). *Does the Targeted Community Outreach Improve Civic Engagement among Marginalized Populations? Evidence from the Tallahassee Neighborhood REACH Program*. Funded by FSU Institute of Politics. Total award \$20,000.
3. Tang, Tian (PI). (Mar 2022–Jul 2023). *CC Collaborative Accelerator: Developing A Platform to Incorporate Net-Zero Targets in Upgrading Infrastructure Resilience in the Florida Panhandle*. Funded by FSU. Total award \$25,000.
4. Sun, Yanshuo (PI), Zhao, Tingting (Co-PI), Jia, Minna (Co-PI), & Tang, Tian (Co-PI). (Apr 2020–Apr 2021). *MDS: Improving Hurricane Evacuation Planning by Addressing Evacuees' Partial-Compliance with Mandatory Orders*. Funded by FSU. Total award \$25,000.
5. Tang, Tian (PI). (May 2019–Aug 2019). *Overcoming the Fragmentation of Managing Multiplexed Urban Infrastructures in Disaster Recovery*. Funded by College of Social Sciences and Public Policy, FSU. Total award \$4,979.
6. Tang, Tian (PI). (May 2017–Aug 2017). *FYAP: Implementing Urban Sustainability Policies through Innovative Information Management: Evidence from the City of Tallahassee*. Funded by FSU CRC. Total award \$20,000.
7. Binz, Christian (PI), & Tang, Tian (Co-PI). (Feb 2015–Dec 2015). *Spatial Lifecycles of the Solar PV Industry*. Funded by Sustainability Science Program, Harvard University. Total award \$6,385.
8. Tang, Tian (PI). (Sep 2014–Aug 2015). *Technological Change of Wind Power in the U.S.* Funded by Sustainability Science Program, Harvard University. Total award \$31,000.

Presentations

Invited Workshop Presentations

Tang, T. (2023, December). *Municipal apps: Citizens' Participation for a better urban public space?* Vrije Universiteit Brussel, Virtual/Brussel.

Tang, T. (2022, June). *Quasi-Experiment Methods in Public Policy Research*. Huazhong University of Science and Technology, Virtual Workshop.

Xu, K., & Tang, T. (2021, June). *Digital Governance and Public Service Delivery: Comparing City Experiences Across the Globe*. Department of Public Policy at City University of Hong Kong, KU Leuven Public Governance Institute, China Institute of Urban Governance at Shanghai Jiao Tong University, Virtual Workshop.

Canfield, C., Tang, T., & Gao, X. (2021, January). *SolSmart Improves Government Practices, Leads to Increase in Solar*. The Solar Technologies Office, U.S. Department of Energy, Virtual.

Tang, T. (2015). *The Learning Process and Technological Change in Wind Power in China and the United States*. China Energy and Climate Project Seminar, Sloan School of Management, MIT, Cambridge, MA.

Invited Lectures

Tang, T. (2023, September). *Drivers and Impacts of E-governance in the Mobile Age*. Delivered at University of Texas at Austin, Virtual.

Invited Presentations at Symposia

Tang, T. (presented 2016). Network Governance and Effectiveness on Renewable Energy Integration: A Comparative Case Study on Power Transmission Network in the United States. In *Sustainability Science Symposium*. Presentation at the meeting of Harvard Kennedy School of Government, Harvard University, Cambridge, MA.

Refereed Presentations at Conferences

Tang, T., Li, W., Liu, Y., Lee, H., & Zheng, G. (presented 2023, November). *What Public Values Does Practitioner-Scholar Research Collaboration Seek to Create? Evidence from a Field Experiment*. Presentation at 2023 APPAM Fall Research Conference, Association of Public Policy Analysis and Management, Atlanta, GA.

Tang, T. (presented 2023, January). *Passive Receptors and Active Coordinators: Reducing Administrative Burden in Energy Infrastructure Permitting*. Presentation at 2023 SPSA Conference, Southern Political Science Association, St Petersburg, FL.

Tang, T. (presented 2022, March). *Does Targeted Community Outreach Improve Energy Justice for Low-Income Communities?* Presentation at APPAM Conference, Association of Public Policy Analysis and Management, Austin, TX & Virtual.

- Tang, T. (presented 2021, June). *Does e-governance innovation improve service delivery performance? A longitudinal study on the Open311 in the United States*. Presentation at 2021 PMRC Conference, Public Management Research Association, Virtual Conference.
- Tang, T. (presented 2020, November). *Technical Assistance, Government Capacity, and the Implementation of Voluntary Environmental Programs: Evidence from SolSmart*. Presentation at 2020 APPAM Fall Research Conference, Association for Public Policy Analysis & Management, Virtual Conference.
- Tang, T. (presented 2019, November). *Supporting Long-Term Competition with Technology-Specific Policy Designs: The Renewable Portfolio Standards and Diversity in Renewable Energy Technologies*. Presentation at 2019 APPAM Fall Research Conference, Association for Public Policy Analysis & Management, Denver, CO.
- Tang, T. (presented 2019, April). *Stimulating Local Government's Continuing Innovation through Intergovernmental Grants: Evidence from the Energy Sector*. Presentation at The 49th Conference of the Urban Affairs Association, The Urban Affairs Association, Los Angeles, CA.
- Tang, T. (presented 2019, January). *The Long-Term Impacts of Local Government's Intergovernmental Grants: Evidence from the Energy Efficiency and Conservation Block Grants*. Presentation at 2019 Southern Political Science Association Conference, Southern Political Science Association, Austin, TX.
- Tang, T. (presented 2018, November). *The Impact of Intergovernmental Grants on Clean Energy Innovation: Evidence from the American Recovery and Reinvestment Act*. Poster presentation at 2018 APPAM Fall Research Conference, Association for Public Policy Analysis & Management, Washington DC.
- Tang, T. (presented 2018, March). *A Path-Dependence Perspective on the Adoption of Internet of Things: Evidence from Early Adopters of Smart and Connected Sensors in the United States*. Presentation at American Society for Public Administration Conference, American Society for Public Administration, Denver, CO.
- Zhang, F., & Tang, T. (presented 2017, November). *Impacts of Inter-Sectoral Networks on Technology Innovation in Wind Industry: A Cross-Country Analysis*. Presentation at 2017 APPAM Fall Research Conference, Association for Public Policy Analysis & Management, Chicago, IL.
- Tang, T. (presented 2017, April). *Network Governance and Effectiveness on Renewable Energy Integration: A Comparative Case Study on Power Transmission Network in the United States*. Presentation at The 47th Conference of the Urban Affairs Association, The Urban Affairs Association, Minneapolis, MN.
- Tang, T. (presented 2015, November). *Spatial Dynamics in the Knowledge Base of Emerging Clean-tech Sectors: A Patent Analysis on Solar PV Technologies*. Presentation at 2015

APPAM Fall Research Conference, Association for Public Policy Analysis & Management (APPAM), Miami, FL.

Tang, T. (presented 2015, September). *Explaining Technological Change in the US Wind Industry: Energy Policies, Technological Learning, and Collaboration*. Presentation at 2015 Atlanta Conference of Science and Innovation Policy, Georgia Institute of Technology, Atlanta, GA.

Tang, T. (presented 2014, November). *State Energy Policies, Learning Process and the Technological Change in the US Wind Industry*. Presentation at 2014 APPAM Fall Research Conference, Association for Public Policy Analysis & Management (APPAM), Albuquerque, NM.

Tang, T., & Popp, D. (presented 2014, July). *The Learning Process and Technological Change in Wind Power: Evidence from CDM Wind Projects in China*. Presentation at 2014 NBER Summer Institute, National Bureau of Economic Research, Cambridge, MA.

Teaching

Courses Taught

Master Level

Governance for Sustainable Communities (PAD 5525)

Research Design in Public Administration (PAD5700)

Managing Public Financial Resources (PAD5227)

Doctoral Level

Analytical Techniques for Public Administrators (PAD 6705)

Seminar in Public Administration: Public Management Seminar (PAD5935)

Doctoral Committee Chair/Cochair

Zheng, G., graduate. (2024). Placement: Iowa State University

Peng, J., graduate. (2024). Placement: University of South Alabama

Li, W., graduate. (2024). Placement: Hunan Agriculture University

Xu, K., graduate. (2021). Placement: Hong Kong University of Science and Technology (GZ)

Lubin, J. H., graduate. (2020). Placement: Georgia Southern University

Luo, T., doctoral candidate.

Ohlsen, M., doctoral candidate

Higman, M. L., doctoral candidate.

Jangjoo, S., doctoral candidate.

Doctoral Committee Member

Xiang, K., graduate. (2024).

Lin, H., graduate. (2024).

Jang, J., graduate. (2024). Placement: University of North Carolina, Charlotte

Oh, J., graduate. (2023). Placement: University of Cincinnati

Lee, H., graduate. (2023). Placement: University of Georgia

Liu, Y., graduate. (2022). Placement: North Arizona University

Zhang, J., graduate. (2021). Placement: University of Macau

Kim, H., doctoral candidate.

Cho, Y., doctoral candidate.

Doctoral Committee University Representative

Mackie, K., graduate. (2023)

Adeshina, L., doctoral student.

Astuti, H. M., doctoral student.

Hussain, S. W., doctoral student.

Service

Florida State University

FSU College Service

Co-Organizer, COSSPP Assistant Professors' Network (2021–2022).

FSU Department Service

Member, Doctoral Committee (2022–present).

Member, Policy Committee (2022–present).

Director, Sustainability and Governance Lab (2020–present).

Member, Cresse Lecture Committee (2020–present).

Member, MPA Committee (2016–2022).

The Profession

Editorial Board

Social Science Computer Review (2024–present).

Public Administration Review (2023–present).

Chinese Public Administration Review (2022–present).

Reviewer for Refereed Journals

American Political Science Review (APSR), Applied Energy, Proceedings of the National Academy of Sciences (PNAS), Technovation, Cities, Humanities and Social Sciences Communications, Growth and Change: A Journal of Urban and Regional Policy, Information Polity, Public Performance Management Review (PPMR), Energy Economics, Energy Policy, Environmental Policy and Governance, Journal of Policy Analysis and Management (JPAM), Energy Research and Social Science, Public Administration Review (PAR), Policy Studies Journal (PSJ), Public Management Review (PMR).

Reviewer or Panelist for Grant Applications

National Science Foundation (2020–present).

Swiss National Science Foundation (2022–present).

Service to Professional Associations

Board Member, Chinese Policy Scholars Group (2020–present).

Member of Conference Program Committee, The 22th Annual International Conference on Digital Government Research, Digital Government Society (2020–2021).

Member of the PMRC Review Committee, Public Management Research Association (2019–2021).

Member of the Conference Program Committee (Environment, Energy and Natural Resource Field), Association for Public Policy Analysis & Management (2019–Present).