

Tianjun (Luke) Lu

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EDUCATION

Ph.D. Planning, Governance, and Globalization, Virginia Tech, 2020
MURP Master of Urban and Regional Planning, Virginia Tech, 2016
Geospatial Information Technology Certificate
B.E. Urban Planning, Guilin University of Technology (with Honors), 2011

ACADEMIC APPOINTMENTS

2024 – Present University of Kentucky
Assistant Professor, Department of Epidemiology and Environmental Health
2020 – 2023 California State University Dominguez Hills
Assistant Professor, Department of Earth Science and Geography
2020 (fall) California State University Dominguez Hills Foundation
Consultant
2020 (summer) University of Washington
Research Scientist, Department of Civil and Environmental Engineering

RESEARCH INTERESTS

Exposure Assessment, Air Quality, Environmental Health, Environmental Justice,
Transportation Planning, Built Environment, Sustainable Community, Geospatial Analysis

PUBLICATIONS

Articles in Peer-Reviewed Journals (Impact Factor [IF])

20. Qi, M., Xu, C., Zhang, W., Demuzere, M., Hystad, P., **Lu, T.**, James, P., Bechtel, B., & Hankey, S. (2024). *Mapping urban form into local climate zones for the continental US from 1986–2020*. *Scientific Data*, 11(1), 195 (IF: 6.10).

19. Huang, X., Wang, S., **Lu, T.**, Liu, Y., & Serrano-Estrada, L. (2024). *Crowdsourced geospatial data is reshaping urban sciences*. International Journal of Applied Earth Observation and Geoinformation, 103687.
18. Huang, X., Wang, S., Yang, D., Hu, T., Chen, M., Zhang, M., Zhang, G., Biljecki, F., **Lu, T.**, Zou, L., Wu, Y., Park, YM., Li, X., Liu, Y., Fan, H., Mitchell, J., Li, Z., Hohl, A. (2024). *Crowdsourcing geospatial data for earth and human observations: a review*, Journal of Remote Sensing, 4, 0105.
17. **Lu, T.**, Garcia, DA., Garcia, A., Liu, Y. (2023). *Leveraging crowd-sourced environmental data to assess air pollution exposure: a case of Los Angeles County*, International Journal of Applied Earth Observation and Geoinformation. (IF: 7.50).
16. Bechle, MJ., Bell, ML., Goldberg, DL., Hankey, S., **Lu, T.**, Presto, AA., Robinson, AL., Schwartz, J., Shi, L., Zhang, Y., Marshall, DJ. (2023). *Intercomparison of six national empirical models for PM_{2.5} air pollution in the contiguous US*, Transport Findings.
15. Wang, M., **Lu, T.**, Li, Y. (2022). *Optimizing air purification for household particulate matters using sensor-based and time-based intervention strategies*, Particuology. (IF: 3.07).
14. **Lu, T.**, Liu, Y., Garcia, A., Wang, M., Li, Y., Bravo-Villasenor, G., Campos, K., Xu, J., Han, B. (2022). *Leveraging citizen science and low-cost sensors to characterize air pollution exposure of disadvantaged communities in Southern California*, International Journal of Environmental Research and Public Health, 19(14), 8777. (IF: 4.61).
13. Lin, Z., Wang, Y., Ye, X., Wan, Y., **Lu, T.**, & Han, Y. (2022). *Effects of low-carbon visualizations in landscape design based on virtual eye-movement behavior preference*. Land, 11(6), 782. (IF: 3.47).
12. **Lu, T.**, Bechle, MJ., Wan, Y., Presto, AA., Hankey, S. (2022), *Using crowd-sourced low-cost sensors in a land use regression of PM_{2.5} in 6 US cities*, Air Quality, Atmosphere & Health (IF: 5.80).
11. Peng, S., **Lu, T.**, Liu, Y., Li, Z., Liu, F., Sun, J., Chen, M., Wang, H., Xiang, H. (2022), *Short-term exposure to fine particulate matter and its constituents may affect renal function via oxidative stress: A longitudinal panel study*, Chemosphere, 133570 (IF: 8.94).
10. **Lu, T.**, Marshall, DJ., Zhang, W., Hystad, P., Kim, SY., Bechle, MJ., Demuzere, M., Hankey, S. (2021), *National empirical models of air pollution using microscale measures of the urban environment*, Environmental Science and Technology, 55(22), 15519-15530. (IF: 11.36).
9. Li, Z., Liu, Y., **Lu, T.**, Peng, S., Liu, F., Sun, J., Xiang, H. (2021), *Acute effect of fine particulate matter on blood pressure, heart rate and related*

- inflammation biomarkers: a panel study in healthy adults*, *Ecotoxicology and Environmental Safety*, 228, 113024 (IF: 7.13).
8. Yao, Y., **Lu, T.**, Liu, Y., Qin, Q., Jiang, J., & Xiang, H. (2021), *Association of depressive symptoms with ambient PM_{2.5} in middle-aged and elderly Chinese adults: A cross-sectional study from the China health and Retirement Longitudinal Study wave 4*, *Environmental Research*, 203, 111889. (IF: 8.43).
 7. Chen, G., Chen, J., Dong, G. H., Yang, B. Y., Liu, Y., **Lu, T.**, Yu, P., Guo, Y., & Li, S. (2021), *Improving satellite-based estimation of surface ozone across China during 2008–2019 using iterative random forest model and high-resolution grid meteorological data*, *Sustainable Cities and Society*, 69, 102807 (IF: 10.70).
 6. Demuzere, M., Hankey, S., Mills, G., Zhang, W., **Lu, T.**, & Bechtel, B. (2020), *Combining expert and crowd-sourced training data to map urban form and functions for the continental US*, *Scientific Data*, 7(1), 1-13 (IF: 6.10).
 5. **Lu, T.**, Lansing, J., Zhang, W., Bechle, MJ., Hankey, S. (2019), *Land Use Regression models for 60 volatile organic compounds: Comparing Google Point of Interest (POI) and city permit data*, *Science of The Total Environment*, 677, 131-141 (IF: 7.96).
 4. **Lu, T.**, Mondschein, A., Buehler, R., Hankey, S. (2018), *Adding temporal information to direct-demand models: Hourly estimation of bicycle and pedestrian traffic in Blacksburg, VA*, *Transportation Research Part D: Transport and Environment*, 63, 244-260 (IF: 7.04).
 3. Hankey, S., **Lu, T.**, Mondschein, A., Buehler, R. (2017), *Merging traffic monitoring and direct-demand modeling to assess spatial patterns of annual average daily bicycle and pedestrian traffic*, *Transportation Research Board 96th Annual Meeting*.
 2. Hankey, S., **Lu, T.**, Mondschein, A., Buehler, R. (2017), *Spatial models of active travel in small communities: Merging the goals of traffic monitoring and direct-demand modeling*, *Journal of Transport & Health*, 7, 149-159 (IF: 3.61).
 1. **Lu, T.**, Buehler, R., Mondschein, A., Hankey, S. (2017), *Designing a bicycle and pedestrian traffic monitoring program to estimate annual average daily traffic in a small rural college town*, *Transportation Research Part D: Transport and Environment*, 53, 193-204 (IF: 7.04).

Manuscripts in Preparation or Under Review

5. **Lu, T.**, Ke, J., Prager, F., Martinez, NJ., *“TELE-commuting” during the COVID-19 pandemic and beyond: unveiling state-wide patterns and trends of telecommuting*.
4. **Lu, T.**, Liu, Y., Marshall, DJ., *Racial-ethnic disparities in PM_{2.5} exposure in California: differences by season and daily pollution level*.

3. **Lu, T.**, Bechle, MJ., Presto, AA., Hankey, S., *Developing national Land Use Regression models of using PM_{2.5} “Internet of Things” sensors.*
2. **Lu, T.**, Zhang, W., Hankey, S., *Exploring the relationship between urban form and air quality in the US: empirical evidence of Local Climate Zone.*
1. Liu, Y., **Lu, T.**, Kaufman, J., Simpson, C., Austin, E., Seto, E., *The short-term health effect of traffic-related air pollution: a systematic review of individual-level studies.*

Report, Working Papers, and Other Publications

- 2023 **Lu, T.**, Ke, J. Y., Prager, F., & Martinez, J. N., *Should state land in Southern California be allocated to warehousing goods or housing people? Analyzing transportation, climate, and unintended consequences of supply chain solutions.* Mineta Transportation Institute, San José State University, DOI: <https://escholarship.org/uc/item/48x7485v>
- 2022 **Lu, T.**, Ke, J. Y., Prager, F., & Martinez, J. N., *“TELE-commuting” during the COVID-19 pandemic and beyond: unveiling state-wide patterns and trends of telecommuting in relation to transportation, employment, land use, and emissions in California.* Mineta Transportation Institute, San José State University, DOI: <https://escholarship.org/uc/item/7t9022mc>
- 2016 Hankey, S., **Lu, T.**, Mondschein, A., Buehler, R., *Designing a bicycle and pedestrian traffic count program to estimate performance measures on streets and sidewalks in Blacksburg, VA, MATS-UTC.*

GRANTS AND AWARDS

Funded Grants

- 2023-2025 **co-Principal Investigator.** National Academies of Sciences, Engineering, and Medicine (\$1,488,160).
Research objective: develop a community-based air monitoring network in the Gulf Region of Texas.
- 2023-2024 **Principal Investigator.** California State University Transportation Consortium SB 1 (\$74,942). Mineta Transportation Institute at San Jose State University.
Research objective: compare the cost-effectiveness and climate and equity benefits in the Bay Area and Southern California.
- 2023-2024 **Principal Investigator.** Research, Scholarly and Creative Activity (RSCA) Faculty Intramural Grant (FRG) Program (\$7,555). California State University Dominguez Hills.
Research objective: leverage a bicycle-based mobile air pollution monitoring campaign with residents’ interview analysis for understanding air pollution exposure disparities across disadvantaged communities.

- 2022-2023 **Principal Investigator.** California State University Transportation Consortium SB 1 (\$74,986). Mineta Transportation Institute at San Jose State University.
Research objective: identify current and future gaps of supply and demand for warehousing and assess its associated environmental impacts and land uses.
- 2022-2023 **Principal Investigator.** Research, Scholarly and Creative Activity (RSCA) Faculty Intramural Grant (FRG) Program (\$7,555). California State University Dominguez Hills.
Research objective: leverage low-cost empirical monitoring and simulation modeling for understanding air pollution exposure disparities induced from both traffic and non-traffic emission sources.
- 2021-2022 **Principal Investigator.** California State University Transportation Consortium SB 1 (\$74,223). Mineta Transportation Institute at San Jose State University.
Research objective: identify statewide patterns and trends in telecommuting before, during, and after the COVID-19 pandemic and explore the associations of telecommuting with the transportation system, employment, land use, and emissions.
- 2021-2022 **Principal Investigator.** Research, Scholarly and Creative Activity (RSCA) Faculty Intramural Grant (FRG) Program (\$7,555). California State University Dominguez Hills.
Research objective: develop a baseline database and a pilot work during the COVID-19 pandemic using citizen science and low-cost sensing technologies in disadvantaged communities in Southern California.
- 2021-2022 **Principal Investigator.** Faculty Legacy Fund Award (\$6,000). California State University Dominguez Hills Emeritus Faculty Association (3 awarded).
Research objective: develop a baseline database and a pilot work during the COVID-19 pandemic using citizen science and low-cost sensing technologies in disadvantaged communities in Southern California.
- 2020-2021 **Principal Investigator.** Community Mobility Challenge (CMC) Project. California State University Dominguez Hills Foundation.
Research objective: conduct a community transportation needs assessment survey and transportation accessibility analysis to address identified mobility challenges before and during COVID-19.
- 2020-2021 **Principal Investigator.** Grants for My Research (GMR; \$1,500). California State University Dominguez Hills.
Research objective: leverage low-cost monitoring and community engagement to investigate environmental inequality for underserved communities: air pollution, noise, and mobility in Southern California.

Previous Grants

- 2016-2021 **Research Assistant.** Center for Air, Climate, and Energy Solutions (CACES; total: \$10 million; share to VT: \$264,526). US Environmental Protection Agency (EPA).
Research objective: develop mechanistic and statistical modeling tools to assess regional differences for multiple pollutants in the continental US.
- 2017-2018 **Research Assistant.** Volatile Organic Compound (VOC) land use regression models (\$6,300). City of Minneapolis, MN, US.
Research objective: develop effective statistical models for 60 VOCs from a community-led monitoring effort.
- 2014-2016 **Research Assistant.** Mid-Atlantic Transportation Sustainability Center – University Transportation Center (MATS-UTC; total: \$147,218; share to VT: \$135,878). US Department of Transportation (DOT).
Research objective: design a non-motorized traffic count campaign in Blacksburg, VA that adapts current DOT protocols for motor vehicles to estimate performance measures for bicycles and pedestrians.

Awards and Honors

- 2021 Registration Award, International Society for Environmental Epidemiology (ISEE).
- 2020 Travel Award, ISEE.
- 2019 Travel Award, International Association for China Planning (IACP).
- 2015 PlanVirginia Fellowship outstanding first-year graduate student.
People’s Choice Award of the Save Our Towns Summit, VA.
- 2014 Travel Grants, various sources at Virginia Tech (~\$8,000).
- 2011 Excellent College Graduate of Guangxi, China.
- 2010 Bronze Medal of the 11th National College Students English Debating Contest.
Grand Prize of National English Contest for College Students.
- 2009 Cambridge Certificate of Business English Higher.
- 2008 National Scholarship (Ministry of Education, China; \$1,200).

INVITED TALKS

- Dec 2023 “IACP Career Development Series: Navigating the Academic Job Market in North America”, International Association for China Planning.
- Dec 2022 “Leveraging Citizen Science and Low-Cost Sensors to Characterize Air Pollution Exposure of Disadvantaged Communities in Southern California”, Pennsylvania Department of Environmental Protection.
- Sep 2022 “Leveraging Citizen Science and Low-Cost Sensors for Air Pollution Exposure Assessment”, Northwest San Pedro Neighborhood Council (NWSPNC).

- March 2022 “Integrating Low-Cost Sensing Data into Land Use Regression Models”, US Environmental Protection Agency.
- March 2022 “Developing Healthy Communities through Clean Air and Active Mobility”, University of Cincinnati.
- Nov 2021 “Healthy and Sustainable Communities”, California State University Dominguez Hills: Fall Faculty 3 * 2.
- Nov 2021 “Leveraging Geospatial Techniques to Access Community Transportation Accessibility, Reliability, and Affordability”, California State University Dominguez Hills: GIS Day 2021.
- Oct 2021 “Promoting Healthy Communities through Transportation and Environment”, CSU Science, Technology, Engineering and Mathematics Network (STEM-NET) Virtual Research Café.
- July 2021 “Leveraging Data Science for Transportation and Environmental Challenges”, Texas A&M Institute of Data Science.
- Nov 2020 “Using Geo-Techniques to Develop Healthy Communities: Practices in Transport, Environment, and Urban Form”, California State University Dominguez Hills: GIS Day 2020.
- Aug 2020 “How to Seek for Academic Jobs in the United States”, International Association for China Planning.
- Feb 2020 “Leveraging Community-based Data to Develop Healthy Cities: Empirical Air Quality and Transportation Models”, Chinese Research Academy of Environmental Sciences.
- Dec 2019 “Leveraging Big Data to Develop Healthy Cities: Air Quality and Active Transportation”, School of Transportation and Logistics, Southwest Jiaotong University, China.
- Nov 2018 “Leveraging Google Point of Interest (POI) Data, Crowdsourcing, and Machine Learning to Predict Air Pollution Concentrations for the Contiguous US”, Environmental Biostatistics Meeting, University of Washington.
- July 2014 “Confidence, Optimism and Diligence—Powerful Youth”, Guilin University of Technology, China.

CONFERENCE ACTIVITY

23. *Poster Presentation*, “Leveraging crowd-sourced environmental data to inform environmental exposure disparity”, Annual Conference of the International Society for Exposure Science (ISES), Aug. 27-31, 2023, Chicago, Illinois, USA.
22. *Oral Presentation*, “How COVID-19 impacts air pollution exposure among disadvantaged communities? Leveraging crowd-sourced urban data to develop

- healthy communities”, 17th International Association for China Planning (IACP) Annual Conference, June 28-July 02, 2023, ONLINE.
21. *Oral Presentation*, “Application of machine learning for PM_{2.5} estimation using the low-cost sensors”, AGU Fall Meeting, Dec. 12-16, 2022, Chicago, Illinois, USA.
 20. *Oral Presentation*, “Leveraging a crowd-sourced platform to investigate telecommuting patterns before, during, and after the COVID-19 pandemic”, 16th International Association for China Planning (IACP) Annual Conference, June 23-27, 2022, ONLINE.
 19. *Oral Presentation*, “Using crowd-sourced low-cost sensors in a land use regression of PM_{2.5} in 6 US cities”, Air Sensors International Conference, May. 11-13, 2022, Pasadena, California, USA.
 18. *Oral Presentation (discussant)*, “Challenges and opportunities of transportation planning for disadvantaged communities in Southern California before and during COVID-19 pandemic”, 61st Association of Collegiate School of Planning (ACSP) Annual Conference, Oct. 21-23, 2021, ONLINE.
 17. *Oral Presentation*, “Challenges and opportunities of transportation planning for disadvantaged communities in Southern California before and during COVID-19 pandemic”, 15th International Association for China Planning (IACP) Annual Conference, Sep. 11-12, 2021, ONLINE.
 16. *Poster Presentation*, “Racial-ethnic Disparities in PM_{2.5} Exposure in California: Differences by Season and Daily Pollution Level”, 33rd Annual Conference of the International Society for Environmental Epidemiology (ISEE), Aug. 23-26, 2021, ONLINE.
 15. *Oral Presentation (discussant for two sessions)*, “Does open data offer opportunities to inform community health? The case of using low-cost sensors to develop urban air quality models”, 60th Association of Collegiate School of Planning (ACSP) Annual Conference, Nov. 5-8, 2020, ONLINE.
 14. *Oral Presentation*, “Use Google Street View imagery in Land Use Regression to predict street level particulate air pollution”, 32nd Annual Conference of the International Society for Environmental Epidemiology (ISEE), Aug. 24-27, 2020, ONLINE.
 13. *Poster Presentation*, “Use of low-cost sensors to develop land use regression models for PM_{2.5} of 6 urban areas in the US”, 32nd Annual Conference of the International Society for Environmental Epidemiology (ISEE), Aug. 24-27, 2020, ONLINE.
 12. *Oral Presentation*, “Using a community-based low-cost sensor network to validate and improve air quality models”, 59th Association of Collegiate School of Planning (ACSP) Annual Conference, Oct. 24-27, 2019, Greenville, South Carolina, USA.

11. *Poster Presentation*, “External validation of national land use regression models for PM_{2.5} using a low-cost sensor network”, 31st Annual Conference of the International Society for Environmental Epidemiology (ISEE), Aug. 25-28, 2019, Utrecht, The Netherlands.
10. *Oral Presentation (Discussant and Moderator)*, “Leveraging Google Point of Interest (POI) Data, crowdsourced Local Climate Zones (LCZs) data, and machine learning to predict urban air pollutants for health-promoting Cities”, 13rd International Association for China Planning (IACP), June. 14-16, 2019, Chengdu, China.
9. *Oral Presentation*, “Using crowdsourcing, machine learning, and remote sensing to classify urban form into Local Climate Zones and associations with urban air quality”, 58th Association of Collegiate School of Planning (ACSP) Annual Conference, Oct. 25-28, 2018, Buffalo, New York, USA.
8. *Oral Presentation and Poster Presentation*, “Leveraging Google Point of Interest (POI) Data, crowdsourcing, and machine Learning to predict urban NO₂ concentrations for the contiguous US”, the Joint Annual Meeting of the International Society of Exposure Science and the International Society for Environmental Epidemiology (ISES-ISEE), Aug. 26-30, 2018, Ottawa, Canada.
7. *Oral Presentation*, “Adding temporal information to direct-demand models: Hourly estimation of bicycle and pedestrian traffic in Blacksburg, VA”, North American Travel Monitoring Exposition and Conference (NATMEC), June 10-13, 2018, Irvine, California, USA.
6. *Oral Presentation*, “Incorporating area emission sources in Land Use Regression models of volatile organic compounds”, 29th Annual Scientific Conference of the International Society of Environmental Epidemiology (ISEE), Sep. 24-28, 2017, Sydney, Australia.
5. *Poster Presentation*, “Designing a bicycle and pedestrian traffic monitoring program to estimate annual average daily traffic in a small rural college town”, Transportation Research Board 96th Annual Meeting (TRB), Jan. 8-12, 2017, Washington, D.C., USA.
4. *Poster Presentation*, “Merging traffic monitoring and direct-demand modeling to assess spatial patterns of annual average daily bicycle and pedestrian traffic”, Transportation Research Board 96th Annual Meeting (TRB), Jan. 8-12, 2017, Washington, D.C., USA.
3. *Oral Presentation*, “Designing a bicycle and pedestrian traffic count campaign in a small rural college town”, North American Travel Monitoring Exposition and Conference (NATMEC), May 1-4, 2016, Miami, Florida, USA.
2. *Poster Presentation*, “Using temporal patterns of bicycle and pedestrian traffic to define factor groups”, North American Travel Monitoring Exposition and Conference (NATMEC), May 1-4, 2016, Miami, Florida, USA.

1. *Poster Presentation (Best Poster Award)*, “Planning for bicycles and pedestrians in small town: Developing best practices in Blacksburg, VA”, Save Our Towns Summit, Sep. 9-10, 2015, Abingdon, Virginia, USA.

TEACHING EXPERIENCE

California State University

Human Geography
The Human Environment
Urban Environmental Geography
Environmental Analysis and Planning
Numerical Methods in Geography
Directed Research

Virginia Tech

Computer Application in Planning: GIS
Higher Education in Demographic Societies: Science Communication
Guest Lecturer: International Development Policy and Planning, Climate Change and Urban Development, Planning of the Urban Infrastructure, Topics in Transport Policy, Planning Transportation Facility, and SPIA Graduate Colloquium.

Online and Physical Platform

YY (Video-based Course Provider in China)
New Oriental Education Group (Private Educational Service Provider in China)

ADVISING AND MENTORING

Major Achievements of Advising Students under the BEAM Lab at CSUDH

Thesis chair: 3 students; internship and independent research: 4 students

- Azure Fisher (M.S. in Environmental Science)
Awards: Dwight David Eisenhower Transportation Fellowship
Sustainability Engagement Award
Toro Green Initiative Fund
South Bay Economic Institute Student Fellowship
First place of the CSUDH Student Research Day
Environmental Justice Research Award
Job: Ph.D., Atmospheric Science, UC Riverside
- Kimberly Campos (M.S. in Environmental Science)
Awards: Dwight David Eisenhower Transportation Fellowship
Sally Casanova Pre-Doctoral Scholar
Graduate Equity Fellowship
Second place of the CSU Statewide Student Research Competition
First place of the CSUDH Student Research Day
Environmental Sustainability Award
Job: Project, Thesis, and Dissertation Review Specialist, CSUDH
- Armando Garcia (M.S. in Environmental Science)

Awards: CSUDH Toro Green Initiative Fund

Intern: Del Amo Action Committee

Job: Air Pollution Specialist, California Air Resources Board

- German Bravo-Villasenor (M.S. in Environmental Science)

Awards: First place of the CSUDH Student Research Day

Job: Assistant Air Quality Engineer, South Coast Air Quality Management District

- Allison Pary (M.S. in Environmental Science)

Awards: Association of Pacific Coast Geographers Women's Network Small Grants

- Dulce Andrea Garcia (B.S. in Earth Science)

Awards: National Diversity in STEM Conference Travel Award

CSU Louis Stokes Alliance for Minority Participation Program (CSU-LSAMP)

CSUDH OUR-Summer Research Award

- Cindy Munoz (B.A. in Geography with a minor in Earth Science)

Awards: Sea Grant's Community Engaged Internship Award

CSUDH OUR-Summer Research Award

First place of the CSUDH Student Research Day

SERVICE

Proposal Reviewer

US NSF

US EPA

Guest Editor

International Journal of Applied Earth Observation and Geoinformation

Special issue: *Crowdsourcing Geospatial Data in Urban Sciences*

Atmosphere

Special issue: *Novel Developments in Mobile Monitoring of Air Pollution*

Ad Hoc Academic Journal Peer Review

American Journal of Public Health

Atmospheric Environment

Atmospheric Environment: X

Atmospheric Pollution Research

Environmental Research

Environment International

Environmental Science and Technology

Environment and Planning B: Urban Analytics and City Science

BMC Public Health

International Journal of Environmental Research and Public Health

International Journal of Disaster Risk Reduction

Journal of Exposure Science and Environmental Epidemiology

Science of the Total Environment

Socio-Ecological Practice Research

Social Science Research

Sustainable Cities and Society

Sustainability
The CSU Journal of Sustainability and Climate Change
Transportation Research Part D: Transport and Environment
Transportation Research Record
Urban Studies

Service to University

Department Senator Representative, CSUDH (2022, 2023)
Mentor and Referee of the 19th Annual Student Research Conference, CSUDH (2023)
Mentor and Referee of the 18th Annual Student Research Conference, CSUDH (2022)
Mentor and Referee of the 17th Annual Student Research Conference, CSUDH (2022)
Mentor and Referee of the 16th Annual Student Research Conference, CSUDH (2021)

Service to Communities

Member of the Town of Blacksburg Climate Vulnerability Advisory Team
Monitoring Consultant of Roanoke Valley-Alleghany Regional Commission
Data Assistant of the Town of Blacksburg and Virginia Tech

PROFESSIONAL AFFILIATIONS

International Society for Environmental Epidemiology (ISEE)
International Society of Exposure Science (ISES)
Association of Collegiate Schools of Planning (ACSP)
International Association for China Planning (IACP)
Transportation Research Board (TRB)

PROFESSIONAL EXPERIENCE

2011 – 2014 *Staff*, Urban Planning and Construction Management Bureau, Tieshan, Huangshi, Hubei, China. Responsible for urban planning, infrastructure construction, and hazard resilience projects.

SELECTED MEDIA COVERAGE

2023 Toros Educate West Carson on Pollution Risks, March 17, <https://news.csudh.edu/west-carson-pollution/>

2021 CSUDH Faculty Highlight, Dec 1, <https://news.csudh.edu/faculty-highlights-december-2021/>.

2021 CSUDH Faculty Highlight, Sep 9, <https://news.csudh.edu/faculty-highlights-august-september-2021/>.

2021 CSUDH Faculty Highlight, Aug 5, <https://news.csudh.edu/faculty-highlights-july-august-2021/>.

2019 WDBJ7 news clip. “Organizations team up to study bike, pedestrian traffic in Roanoke.” July 31, <https://www.wdbj7.com/content/news/Organizations-team-up-to-study-bike-pedestrian-traffic-in-Roanoke->

[513460551.html?fbclid=IwAR1FqCf959stmizohhGn0iX4EYnGomAgOHMcbNxOvGdgS0810GICInop9ZY](https://www.facebook.com/513460551.html?fbclid=IwAR1FqCf959stmizohhGn0iX4EYnGomAgOHMcbNxOvGdgS0810GICInop9ZY).

2016

MATS-UTC article. "Bicycle research introduction." June 17,
<http://www.matsutc.org/2016/06/faculty-spotlight-steven-hankey-phd-assistant-professor-of-urban-affairs-and-planning-school-of-public-and-international-affairs-virginia-tech/>.