

**Xi Gong**

**November 4, 2021**

Department of Geography and Environmental Studies  
University of New Mexico, xigong@unm.edu

## **Educational History**

Ph.D. in Geographic Information Science, 2016, Texas State University, San Marcos, TX, USA

Dissertation: “Exploring Associations between Environmental Risk Factors and Low Birth Weight Using Big Geographic Data”

Advisor: F. Benjamin Zhan

M.Sc. in Cartography and Geographic Information Science, 2011, University of Chinese Academy of Sciences, Institute of Geographic Sciences and Natural Resources Research, Beijing, China

Thesis: “Clustering Analysis on Temporal Point Processes”

Advisor: Tao Pei

B.Eng. in Spatial Informatics and Digitalized Technology (GIS & Software Engineering), 2008, Wuhan University, Wuhan, China

Thesis: “Analysis Method of Multi-scale Relevance on Spatial Random Field and Software Implementation”

Advisor: Yangge Tian

## **Employment History**

8/2019-present      Assistant Professor, Department of Geography and Environmental Studies, University of New Mexico, Albuquerque, NM

1/2019-7/2019      Lecturer III, Department of Geography and Environmental Studies, University of New Mexico, Albuquerque, NM

8/2016-12/2018    Visiting Assistant Professor, Department of Geography and Environmental Studies, University of New Mexico, Albuquerque, NM

2/2016-7/2016      Prospect Research Analyst, South Dakota State University Foundation, Brookings, SD

8/2011-5/2015      Research Assistant, Department of Geography, Texas State University, San Marcos, TX

8/2011-5/2015      Teaching Assistant, Department of Geography, Texas State University, San Marcos, TX

2/2008-6/2011      Research Assistant, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing, China

9/2006-1/2007      Teaching Assistant, International School of Software, Wuhan University, Wuhan, China

## Scholarly Achievements

(\* denotes that I serve as the corresponding author. Student or advisee are underlined)

### Articles in Refereed Journals

- Gong, X.**, Ye, X. 2021. Governors fighting crisis: Responses to the COVID-19 pandemic across U.S. states on Twitter. *The Professional Geographer*.  
DOI:10.1080/00330124.2021.1895850 (Assigned to an issue, published as online-first)
- Gong, X.\***, Wang, Y. 2021. Exploring dynamics of sports fan behavior using social media big data - A case study of the 2019 National Basketball Association Finals. *Applied Geography*. 129(April 2021): 102438.
- Ye, X., Du, J., **Gong, X.\***, Na, S., Li, W., Kudva, S. 2021. Geospatial and Semantic Mapping Platform for Massive COVID-19 Scientific Publication Search. *Journal of Geovisualization and Spatial Analysis*. 5(2021): 5. DOI: 10.1007/s41651-021-00073-y
- Ye, X., Du, J., **Gong, X.\***, Ye, Z, AL-Dohuki, S., Kamw, F. 2021. SparseTrajAnalytics: An interactive visual analytics system for sparse trajectory data. *Journal of Geovisualization and Spatial Analysis*. 5(2021): 3. DOI: 10.1007/s41651-020-00068-1
- Gong, X.\***, Lane, K.M.D. 2020. Institutional Twitter Usage among U.S. Geography Departments. *The Professional Geographer*. 72(2): 219-237.
- Gong, X.\***, Yang, X. 2020. Social media platforms. *The Geographic Information Science & Technology Body of Knowledge*, John P. Wilson (ed). DOI: 10.22224/gistbok/2020.3.2.
- Nagle-McNaughton, T., **Gong, X.**, Constantine, J.A. 2019. Implications of the modifiable areal unit problem for wildfire analyses. *Advances in Biology & Earth Sciences*. 4(3): 150-175
- Gong, X.**, Lin, Y., Bell, M.L., Zhan, F.B. 2018. Associations between maternal residential proximity to air emissions from industrial facilities and low birth weight in Texas, USA. *Environment International*. 120:181–198.
- Gong, X.**, Lin, Y., Zhan, F.B. 2018. Industrial air pollution and low birth weight: a case-control study in Texas, USA. *Environmental Science and Pollution Research*. (2018) 25: 30375.
- Lin, Y., Wan, N., Sheets, S., **Gong, X.**, Davies, A. 2018. A multi-modal relative spatial access assessment approach to measure spatial accessibility to primary care providers. *International Journal of Health Geographics*. 17:33.
- Gong, X.\***, Zhan,F.B., Lin, Y. 2017. Maternal residential proximity to nuclear facilities and low birth weight in offspring in Texas. *Radiation and Environmental Biophysics*, 56 (1): 111-120.

- Gong, X.**, Brender, J.D., Langlois, P.H., Lin, Y., Zhan, F.B. 2016. Validity of the Emission Weighted Proximity Model in estimating air pollution exposure intensities in large geographic areas. *Science of the Total Environment*. 563–564: 478–485
- Lin, Y., **Gong, X.**, Mousseau, R. 2016. Barriers of female breast, colorectal, and cervical cancer screening among American Indians—Where to intervene? *AIMS Public Health*, 3 (4): 891-906.
- Lin, Y., **Gong, X.** 2016. Risk assessment of water pollution exposure to hazardous waste sites: A case study in Bexar county, Texas. *Papers in Applied Geography*, 2:4, 383-394.
- Brender, J.D., Shinde, M.U., Zhan, F.B., **Gong, X.**, Langlois, P.H. 2014. Maternal residential proximity to chlorinated solvent emissions and birth defects in offspring: A Case-control study. *Environmental Health*, 13(96): 1-16.
- Zhan, F.B., **Gong, X.**, Liu, X. 2014. Mark on the globe: A quest for scientific bases of geographic information and its international influence. *International Journal of Geographic Information Science*. 28(6): 1233-1245.
- Pei, T., **Gong, X.**, Shaw, S., Ma, T., Zhou, C. 2013. Clustering of temporal event processes, *International Journal of Geographical Information Science*. 27(3): 484-510.
- Gong, X.**\*, Pei, T., Sun, J., Luo, M. 2011. Review on research progress in trajectory clustering methods. *Progress in Geography*. 30(5): 522-534.
- Sun, J., Pei, T., **Gong, X.**, Zhou, C. 2011. Review on research progress in Web spatio-temporal data mining. *Advances in Earth Science*. 26(4): 449-459.

### **Referred Conference Proceeding Papers**

- Zhang, C., Carmicheal, R., Yin, Z., **Gong, X.** 2020. ClusterLens: A Focus+Context approach to multi-resolution spatial clustering. *The ACM CHI Conference on Human Factors in Computing Systems (CHI 2020)*. Honolulu, HI, USA
- Zhang, C., Yang, J., Zhan, F.B., **Gong, X.**, Brender, J.D., Langlois, P.H., Barlowe, S., Zhao, Y. 2016. A visual analytics approach to high-dimensional logistic regression modeling and its application to an environmental health study. *IEEE PacificVis 2016*.

### **Works in Progress**

- Gong, X.**\*, Peng, S., Lu, Y., Wang, S., Huang, X., Ye, X. Social Network Analysis of Nonprofits in Disaster Response: The Case of Twitter during the COVID-19 Pandemic in the United States. *International Journal of Disaster Risk Reduction*. (Submitted to *Environmental Science and Pollution Research* in October 2021, under review)
- Gong, X.**, Zhan, F.B. Identifying critical windows of maternal air pollution exposures associated with low birth weight in offspring using massive geographic data. (Submitted to *Environmental Science and Pollution Research* in June 2021, revision submitted)

**Gong, X., Wang, Y.,** Mao, L. L., Benedict, K., **Lu, Y.** Coping with Distress from COVID-19: Exploring NBA Fans' Social Media (Submitted to *Communication and Sport* in June 2021, under review)

Lee, J., Park, Y. J., **Gong, X.** How does government funding affect nonprofits' performance in collaborative governance? The mediation role of process accountability. (Submitted to *Administration & Society* in September 2021, under review)

Huang, X., Martin, Y., Wang, S., Zhang, M., **Gong, X.,** Ge, Y., Li, Z. The promise of excess mobility analysis: measuring episodic-mobility with geotagged social media data (Submitted to *Cartography and Geographic Information Science* in July 2021, revision submitted)

Ye, X., **Peng, Q., Gong, X.** 2021. Network analysis. *Handbook of Spatial Analysis in the Social Sciences (SASS)*, Serge Rey and Rachel Franklin, Editors (ed). (Submitted to *Handbook of Spatial Analysis in the Social Sciences (SASS)* in 2021, under review).

### **Invited or Refereed Abstracts and/or Presentations at Professional Meetings**

**Gong, X.,** Zhan, F.B. 2021. Industrial Air Pollution and Low Birth Weight  
A Case-Control Study Using Big Geographic Data. The 28<sup>th</sup> International Conference on Geoinformatics. Nanchang, Jiangxi, China. (Virtual)

**Wang, Y.,** Mao, LL., **Gong, X.** 2021. Escape Motive of Mediated Sports Consumption and Social Media Engagement of NBA fans During COVID-19: A Coping Perspective. SMA 2021 Annual Conference, Las Vegas, NV, USA.

**Gong, X.** 2019. "Geospatial Data Science: Synergies between Geospatial Principles and Big Data/Spatial-temporal Data". Invited Presentation: University of New Mexico, Department of Geography & Environmental Studies Colloquium Series, Albuquerque, NM, 2019.

**Gong X.** 2019. "How are Geography Departments Tweeting? A Case Study of Institutional Twitter Usage by U.S. Geography Departments". Invited Presentation: University of New Mexico, Geography Awareness Week - GIS Day Lightning Talk Series, Albuquerque, NM, 2019.

**Gong, X.** 2017. "Exploring Associations between Environmental Risk Factors and Low Birth Weight". Invited Presentation: University of New Mexico, Department of Geography & Environmental Studies Colloquium Series, Albuquerque, NM, 2017.

Zhang, C., Yang, J., Zhan, F.B., **Gong, X.,** Brender, J.D., Langlois, P.H., Barlowe, S. 2013. Identifying Risk Factors for Birth Defects in High Dimensional Environmental Health Data. *IEEE VIS*. Atlanta, GA, USA.

## **Contributed (un-refereed) Abstracts and/or Oral Presentations at Professional Meetings**

- Gong, X.** 2021. How are Geography Departments Tweeting? – A Case Study of Institutional Twitter Usage by U.S. Geography Departments, in the Program of the 2021 Annual Meeting of the Association of American Geographers (AAG). Seattle, WA, USA. (Virtual)
- Peng, S., Park, Y.J., **Gong, X.** 2020. Nonprofit Executive Director Transition: The Trend and Financial Impacts, in the program of Association for Research on Nonprofit Organizations and Voluntary Action (ARNOVA), Indianapolis, Indiana, USA.
- Gong, X.** 2019. Investigating Risk of Adverse Birth Outcomes Associated with Industrial Air Pollution in Texas Using Big Geographic Data, in the Program of the Association of Pacific Coast Geographers (APCG) 2019 Annual Meeting. Flagstaff, AZ, USA.
- Gong, X.**, Zhan, F.B. 2019. Associations between Maternal Residential Proximity to Air Emissions from Industrial Facilities and Low Birth Weight in Texas, USA, in the Program of the 2019 Annual Meeting of the Association of American Geographers (AAG). Washington D.C., USA.
- Zhan, F.B., **Gong, X.** 2019. Geospatial Data Science and Health Research, in the Program of the 2019 Annual Meeting of the Association of American Geographers (AAG). Washington D.C., USA.
- Gong, X.** 2019. Industrial Air Pollution and Low Birth Weight, in the Program of the Second Biennial Population and Public Policy Conference. Albuquerque, NM, USA.
- Peng, S., Li, H., **Gong, X.** 2019. Dishonesty in the name of noble cause: Are public service motivation and prosocial motivation too much of a good thing? in the program of Public Management Research Conference (PMRC), Chapel Hill, NC, USA.
- Gong, X.**, Zhan, F.B. 2018. Maternal Residential Proximity to Air Emissions from Industrial Facilities and Low Birth Weight in Offspring in Texas: A Case-Control Study, in the Program of the 2018 Annual Meeting of the Association of American Geographers (AAG). New Orleans, LA, USA.
- Zhan, F.B., **Gong, X.**, Brender, J.D., Langlois, P.H. 2018. Data-Driven Environmental Health Research, in the Program of the 2018 Annual Meeting of the Association of American Geographers (AAG). New Orleans, LA, USA.
- Gong, X.**, Zhan, F.B., Lin, Y. 2017. Is Ionizing Radiation in the Vicinity of Nuclear Facilities Related to Low Birth Weight in Offspring, in the Program of the 2017 Annual Meeting of the Association of American Geographers (AAG). Boston, MA, USA.

- Gong, X.**, Zhan, F.B., Lin, Y. 2016. Exploring Associations between Air Emission from Industry Facilities and Low Birth Weight in Offspring Using Big Geographic Data, in the Program of the 2016 Annual Meeting of the Association of American Geographers (AAG). San Francisco, CA, USA.
- Gong, X.**, Zhan, F.B., Lin, Y. 2015. Exploring Associations between Residential Proximity to Nuclear facilities and Low Birth Weight in Texas, in the Program of 2015 Annual Meeting of the Southwest Divisions of the Association of American Geographers (SWAAG). San Antonio, TX, USA.
- Zhan, F.B., **Gong, X.**, Brender, J.D., Langlois, P.H. 2015. Development of an Environmental Health Indicator, in the Program of the Applied Geography Conference (AGC). San Antonio, TX, USA.
- Lin, Y., **Gong, X.** 2015. Measuring Access to Primary Care Physicians among American Indian Population in South Dakota – Integrating Spatial and Aspatial Factors, in the Program of the Applied Geography Conference (AGC). San Antonio, TX, USA.
- Lin, Y., Hungerford, H., **Gong, X.**, and Mousseau, R. 2015. Geographic Access to Healthcare among American Indian (AI) Population – A New Approach to Understand Cancer Disparity Burdens among AIs. Proceedings of 23rd International Conference on Geoinformatics. Wuhan, China.
- Gong, X.**, Zhan, F.B., Brender, J.D., Langlois, P.H. 2015. The Emission Weighted Proximity Model Performance for Estimating Long Term Air Pollution Exposure Risks In Large Geographic Areas, in the Program of the 2015 Annual Meeting of the Association of American Geographers (AAG). Chicago, IL, USA.
- Gong, X.**, Lu, Y., Lin, Y., Zhan, F.B. 2014. A 3D Ripley’s K method for Vector Autocorrelation analysis, in the Program of the Sixth Annual International Research Conference for Graduate Students. San Marcos, TX, USA.
- Lin, Y., **Gong, X.** 2014. A GIS-based Risk Assessment of Water Pollution Exposure to Hazardous Waste Sites, in the Program of 2014 Joint Meeting of the Southwest and Great Plains-Rocky Mountain Divisions of the Association of American Geographers (SWAAG-GPRM). Albuquerque, NM, USA.
- Gong, X.**, Lu, Y., Lin, Y., Zhan, F.B. 2014. K-Vec: A Global and Cross-scale Analysis Method of Vector Autocorrelation, in the Program of 2014 Joint Meeting of the Southwest and Great Plains-Rocky Mountain Divisions of the Association of American Geographers (SWAAG-GPRM). Albuquerque, NM, USA.

- Gong, X.**, Zhan, F.B., Chow, T.E. 2014. The Importance of “Space” in Strategies of Team Sports: An Agent-based Modeling Approach, in the Program of the 2014 Annual Meeting of the Association of American Geographers (AAG). Tampa, FL, USA.
- Gong, X.**, Zhan, F.B. 2013. Health Risk Assessment of TRI Toxic Air Pollutants in Texas from 1996 to 2008, in the Program of the 2013 Annual Meeting of the Association of American Geographers (AAG). Los Angeles, CA, USA.
- Zhan, F.B., Yang, J., **Gong, X.**, Brender, J.D., Langlois, P.H. 2013. Visual Exploration of Geospatial Data to Identify Risk Factors of Birth Defects: Fetching a Trace of Bad Air in the Sky, in the Program of the 2013 Annual Meeting of the Association of American Geographers (AAG). Los Angeles, CA, USA.
- Gong, X.**, Pei, T., Zhan, F.B. 2012. Clustering Methods of Trajectory Data: A Review (poster), in the Program of the 2012 Annual Meeting of the Association of American Geographers (AAG). New York, NY, USA

## Research

### Research Funding

Principle Investigator (PI), “Sleepless in America: Social Sensing with Nighttime Social Media Usage”, 2021 Faculty Team Research Concept Competition Award, University of New Mexico. \$5,000. 05/20/2021-06/30/2023.

PI, “Redlines and Health Disparity: The Relationship between Historical Redlining and Present-day Health Care Access across the United States”, WeR1: Investing in Faculty Success Program, University of New Mexico. \$5,000. 06/21/2021-12/31/2021.

Co-Investigator (Co-I), “Geographically targeted outreach of cancer support and treatment resources for cancer disparity reduction in New Mexico”, University of New Mexico Comprehensive Cancer Center Support Pilot. \$40,000. 08/01/2021-07/31/2022.

PI, “Influences of Airborne Metal Pollution on Adverse Birth Outcomes in New Mexico”, University of New Mexico Center for Metals in Biology and Medicine Pilot Project funded by National Institutes of Health (NIH) National Institute of General Medical Sciences (NIGMS). \$20,000. 11/01/2020-05/31/2022.

Co-I, “Integrating Big Data with Individual-Level Data to Improve Modeling and Prediction of Rocky Mountain Spotted Fever Dynamics in Native American Communities”, supplement of “R11 Track-2 FEC: Leveraging Big Data to Improve Prediction of Tick-Borne Disease Patterns and Dynamics”, National Science Foundation (NSF). \$387,986. 09/01/2020-08/30/2024.

PI, “Industrial Air Pollution and Adverse Birth Outcomes in New Mexico – An Artificial Intelligence Approach Using Big Health and Environmental Data”, Research Allocations Committee Funds, University of New Mexico. \$9,996. 12/01/2019-05/31/2022.

PI, “Evaluating psychological well-being of the public during the Novel Coronavirus outbreak using Social Media Big Data”, Global Research on COVID-19 Project. China Data Institute, 03/15/2020-12/31/2020.

PI, “Exploring Associations between Environmental Risk Factors and Low Birth Weight Using Big Geographic Data”, Doctoral Research Support Fellowship Award. \$2,850. 01/01/2014-12/31/2014.

Doctoral student personnel, “Air Pollution-Exposure-Health Effect Indicators: Mining Massive Geographically-Referenced Environmental Health Data to Identify Risk Factors for Birth Defects”, with PI: F. Benjamin Zhan and Co-PIs: Jean D. Brender, Jing Yang, and Peter H. Langlois, USEPA Science to Achieve Results (STAR) Program. \$499,987. 2011-2014.

PI, “Online Real Estate Sales Information System based on WebGIS”, Student Scientific Research Project of Wuhan University. ¥ 1,000. 06/01/2007-07/31/2007.

Provost's Professional Conference Support Program, University of New Mexico. \$2000. 2020.

Travel Funding:

Xi Gong: C.V.

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University of New Mexico, Flagstaff, AZ. Oct 16-19, 2019.  
University of New Mexico, Washington, D.C. April 2-April 7, 2019.  
University of New Mexico, New Orleans, LA. April 10-April 14, 2018.  
University of New Mexico, Boston, MA. April 4-April 8, 2017.  
The Rising S.T.A.R. Grant, San Francisco, CA. March 29-April 2, 2016.  
Texas State University, San Francisco, CA. March 29-April 2, 2016.  
Texas State University, San Antonio, TX. Nov. 4-7, 2015.  
The Rising S.T.A.R. Grant, Chicago, IL. April 21-25, 2015.  
Texas State University, Chicago, IL. April 21-25, 2015.  
Texas State University, Albuquerque, NM. Oct. 23-25, 2014.  
Texas State University, Tampa, FL. April 8-12, 2014.  
Texas State University, Los Angeles, CA. April 9-13, 2013.  
Texas State University, New York City, NY. February 24-28, 2012.

## **Teaching**

### **Doctoral Advisement**

#### **PhD students (as major advisor)**

Yujian Lu (Department of Geography & Environmental Studies, in progress, expected to receive degree in Spring 2024)

Yanhong Huang (Department of Geography & Environmental Studies, expected to receive degree in Spring 2025)

### **Master Advisement**

#### **Master's students (as major advisor)**

Luke Isak Andrews (Department of Geography & Environmental Studies, in progress, expected to receive degree in Spring 2022)

David Jacob (Department of Geography & Environmental Studies, will start in Fall 2021)

#### **Master's students (as committee member)**

Zhuoming Liu (Department of Geography & Environmental Studies, graduated 2021). Thesis: "Individual Exposure potential Assessment for Livestock Based on Spatial-Temporal Analysis of GPS Data and Behavior Patterns Classification in Cove Wash Watershed, Arizona"

Jillian Joan Rutherford (Department of Geography & Environmental Studies, graduated 2021). Thesis: "In Pursuit of Comparability: Evaluating Influence and Interaction among Components of the Home Range Estimation Process in Chimpanzee GPS Datasets"

Ian Hill (Department of Geography & Environmental Studies, graduated 2019). Thesis: "A hybrid GIS/in situ analysis of AED coverage on the UNM central campus."

Courtney Brock (Department of Geography & Environmental Studies, graduated 2018). Thesis: "Urban animals: GIS analysis of stray canines and felines in Albuquerque, New Mexico."

Alexandra Jane Vivier (Department of Geography & Environmental Studies, in progress, expected to receive degree in Fall 2021)

Jesse Sprague (Department of Geography & Environmental Studies, in progress, expected to receive degree in Fall 2021)

## **Classroom Teaching**

### **Teaching at the University of New Mexico, 2016- present**

- GEOG 580L: Spatial Statistics, University of New Mexico (Course Instructor)
- GEOG 428/528: Advanced Programming for GIS, University of New Mexico (Course Instructor)
- GEOG 427/527: Introductory Programming for GIS, University of New Mexico (Course Instructor)
- GEOG 486L/586L: Applications of GIS, University of New Mexico (Course Instructor)
- GEOG 581L: Introduction to Geographic Information System for Graduate Students, University of New Mexico (Course Instructor)
- GEOG 381L: Introduction to Geographic Information System, University of New Mexico (Course Instructor)

### **Teaching at the Texas State University, 2011-2015**

- GEO 5419: Geographic Information Systems II (Graduate level), Texas State University (Teaching Assistant, Lab Instructor)
- GEO 5418/7417: Geographic Information Systems I (Graduate level), Texas State University (Teaching Assistant, Lab Instructor)
- GEO 2426: Fundamentals of Geographic Information Systems (GIS), Texas State University (Teaching Assistant, Lab Instructor)

### **Teaching at the Wuhan University, 2007**

- Professional English (Undergraduate Course), Wuhan University (Teaching Assistant)

## **Professional Recognition, Honors, etc.**

### **Research and Academic Awards**

Faculty Team Research Concept Competition, Runner Up Prize, University of New Mexico	2021
Provost's Conference Travel Award, University of New Mexico	2020
ESRI Graduate Awards for Excellence, Texas State University	2014, 2015
The Detlefsen Doctoral Dissertation Scholarship, Texas State University	2015
Graduate College Scholarships, Texas State University	2012, 2013, 2014, 2015
Associated Student Government Scholarship, Texas State University	2012, 2013, 2014
The Detlefsen Doctoral Candidate Scholarship, Texas State University	2014
Student Representative of Commencement Speech, Wuhan University	2008
Excellent Award for Graduation, Wuhan University (Top 10%)	2008
Outstanding Students of Hubei Province, Ministry of Education of Hubei (Only 19 students in Wuhan University)	2008
May-Fourth Medal, Wuhan University (Only 4 undergraduates)	2007
The National Scholarship, Ministry of Education of China (Top 1%)	2007
Annual First-class Scholarship, Wuhan University (Top 5%)	2005, 2006, 2007
Outstanding Students, Wuhan University (Top 5%)	2005, 2006, 2007
The Second Prize in the 3rd ESRI GIS Development Contest for College Students in China (Top 2-4 of 100 groups).	2006
HP Excellent Student Scholarship (Only 5 students in Wuhan University)	2006
The Citi Bank's Financial Information Technology Scholarship (Only 10 students in Wuhan University/200 students in China)	2006
The 1st Prize in the Software Designing Contest of International School of Software, Wuhan University.	2006

### **Teaching Awards**

New Teacher of the Year Award Nomination, University of New Mexico	2021
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## **Service**

### **Professional Leadership**

2019-present, Board of Directors members (elected), the International Association of Chinese Professionals in Geographic Information Sciences (CPGIS)

2020-2021, Election Committee chair, the International Association of Chinese Professionals in Geographic Information Sciences (CPGIS)

2020-present, Urban Computing and Spatial Planning Committee member, the International Association of Chinese Professionals in Geographic Information Sciences (CPGIS)

### **Departmental Service**

08/2020-present, Space committee, Department of Geography & Environmental Studies, University of New Mexico

08/2020-present, T&P Committee (consulting role), Department of Geography & Environmental Studies, University of New Mexico

08/2020-present, Committee of the Whole, Department of Geography & Environmental Studies, University of New Mexico

08/2019-present, Peer teaching reviews, Department of Geography & Environmental Studies, University of New Mexico

08/2017-08/2019, Curriculum committee member, Department of Geography and Environmental Studies, University of New Mexico

01/2019-08/2019, Outreach and Communication coordinator, Department of Geography and Environmental Studies, University of New Mexico

08/2017-12/2018, Outreach coordinator, Department of Geography and Environmental Studies, University of New Mexico

08/2016-08/2017, Website Coordinator, Department of Geography and Environmental Studies, University of New Mexico

### **Campus Service**

2019      Evaluator for 2019 UNM McNair Scholars Research Conference hosted by University of New Mexico

2017      Judge for the student poster competition, Geography Awareness Week hosted by Department of Geography and Environmental Studies, University of New Mexico

2014      Volunteer, Cat Crew, Department of Housing & Residential Life, Texas State University

2012-2014 Mentoring Student Advisory Council Representative, Student Mentoring Program of Texas State University

### **Community Service**

2009 Volunteer and Interpreter Assistant, ESRI China User Conference 2009, Beijing, China

### **Reviewing for national funding organizations**

*National Science Foundation, HEGS Proposal Review 2021*

### **Reviewing in Peer-Reviewed Journal**

*International Journal of Digital Earth (IJDE) 2021*

*Environmental Research 2021*

*ISPRS International Journal of Geo-Information 2021*

*Air Quality, Atmosphere & Health 2021*

*Applied Spatial Analysis and Policy 2021*

*The Professional Geographer 2020*

*Transaction of GIS 2020*

*International Journal of Health Geographics 2020, 2021*

*Computational Urban Science 2020*

*Big Earth Data 2020*

*Public Health 2020*

*Cities (The International Journal of Urban Policy and Planning) 2020*

*IEEE Transactions on Computational Social Systems information (TCSS) 2020*

*Sustainability 2020*

*Information 2020*

*IEEE Access 2020*

*International Journal of Environmental Research and Public Health 2019 (2)*

*Indoor Air 2019*

*Cogent Social Science 2019*

*BMJ Open 2018*

*Transactions in GIS 2015*

*Computers, Environment and Urban Systems 2015*

*International Journal of Geographical Information Science 2013*

**Affiliations**

American Association of Geographers, 2011-present

The International Association of Chinese Professionals in Geographic Information Sciences (CPGIS), 2019-present

Spatial Decision Support Consortium, 2021-present

Association of Pacific Coast Geographers, 2019-Present

Southwest Division, American Association of Geographers, 2011-Present

New Mexico Geographic Information Council, 2017-present