

CURRICULUM VITAE

YUXIA (LUCY) HUANG

Department of Computing Sciences

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Education

02/2009	Ph.D., Geography (GIS)	Department of Geography, State University of New York at Buffalo
07/1996	M.S., Computer Science	Department of Computer Science, South China Normal University, Guangzhou, China
07/1991	B.S., Computer Science	Department of Computer Science, Jiangxi Normal University, Nanchang, China
07/2012	Summer Institute - Aging Research	NIH-National Institute on Aging

Professional Employment

2014-present	Associate Professor, Department of Computing Sciences, Texas A&M University-Corpus Christi, TX
2008-2014	Assistant Professor, Department of Computing Sciences, Texas A&M University-Corpus Christi, TX
2002-2007	Research Assistant, Department of Geography, State University of New York at Buffalo
2000-2002	Research Associate, Department of Geography, Central Michigan University
1996-2000	Assistant Researcher, State Key Lab of Resource & Environmental Systems, Chinese Academy of Science, Beijing, China
1991-1993	Lecturer, Jiangxi Architecture Engineering College, Jiangxi, China

Peer-Reviewed Journal Publications

Published

1. HUANG, Y., Meyer P., Jin, L. 2019. Spatial access to health care and elderly ambulatory care sensitive hospitalizations. Public Health, 169, 76-83.

2. **SU, L., HUANG, Y.** 2019. Seagrass resource assessment using WorldView-2 imagery in the Redfish Bay, Texas. *Journal of Marine Science and Engineering*. 7, 98; doi:10.3390/jmse7040098
3. **HUANG, Y., Meyer P., Jin, L.** 2018. Neighborhood socioeconomic characteristics, health spatial access, and emergency department visits for ambulatory care sensitive conditions for elderly. *Preventive Medicine Reports*, 12, 101-105. <https://doi.org/10.1016/j.pmedr.2018.08.015>.
4. Hu, Z.Y., Hu, H.D., and **HUANG, Y.**, 2018. Association between nighttime artificial light pollution and sea turtle nest density along Florida coast: a geospatial study using VIIRS remote sensing data. *Environmental Pollution*, 239, 30-42.
5. **HUANG, Y.**, and Su, L., 2018. Geo-referencing, co-registration and convolution operation for UAS imagery: A GPU approach. *Encyclopedia of Image Processing*.
6. **HUANG, Y.**, 2016. Conceptually Categorizing Geographic Features from Text based on Latent Semantic Analysis and Ontologies. *Annals of GIS*, 20(4), DOI: 10.1080/19475683.2016.1144648
7. Su, L., **HUANG, Y.**, Gibeaut, J., and Li, L., 2016. The Index Array Approach and the Dual Tiled Similarity Algorithm for USA Hyper-Spatial Image Processing. *Geoinformatica*. DOI 10.1007/s10707-016-0253-2
8. **HUANG, Y.**, and BIAN, L., 2015. Using Ontologies and Formal Concept Analysis to Integrate Heterogeneous Tourism Information. *IEEE Trans. Emerging Topics Computing*. 3(2): 172-184
9. Sevinc, O., **HUANG, Y.**, Mehrubeoglu, M., Li, L., and Kilic E., 2015. Geospatial Information Retrieval Based on Query Expansion and Semantic Indexing. *Journal of Engineering and Fundamentals*, 2(2), pp. 51-68.
10. **HUANG, Y.**, and MEYER P., 2012. Mapping Spatial Variations of Health Insurance Coverage in the Coastal Bend, Texas. *Journal of Maps*, (Impact Factor: 0.769, Q4) DOI:10.1080/17445647.2012.745382
11. BIAN, L., **HUANG, Y.**, LEE, G., LIM, E., MAO, L. 2012. Modeling Individual Vulnerability to Communicable Diseases – Framework, Design, and Implementation. *Annals of the Association of American Geographers*, 102 (5):1016-1025 (Impact Factor: 1.889, Q1)
12. SU, L., **HUANG, Y.**, CHOPPING, M., RANGO, A., and MARTONCHIK, J., 2011. Variations in reflectance with seasonality and viewing geometry: Implications for semi-arid vegetation mapping with MISR data, *International Journal of Remote Sensing*, 32(23), 8183-8193 (Impact Factor: 1.138, Q2)
13. **HUANG, Y.**, and BIAN, L., 2010. Ontology-driven Tour Planning Systems: A Conceptual Framework. *Environmental and Planning B*. 37, 483-499. (Impact Factor: 1.218, Q2)
14. **HUANG, Y.**, 2009. Toward Semantic Interoperability in Travel Planning on the Semantic Web: Learning a Reference Ontology from Online Heterogeneous Tourist Attractions Classification Systems. *Information Technology & Tourism*. 11(1), 51-66. (The first scientific journal dealing with the exciting relationship between information technology and tourism)

15. **HUANG, Y.** and BIAN, L., 2009. A Bayesian Network and Analytic Hierarchy Process Based Personalized Recommendations for Tourist Attractions over the Internet. *Expert Systems with Applications*, 36, 933-943. (Impact Factor: 2.908, Q1)
16. SU, L., **HUANG, Y.**, 2009. Support Vector Machine (SVM) Classification: Comparison of Linkage Techniques Using a Clustering-Based Method for Training Data Selection. *GIScience and Remote Sensing (SJR Indicator: 0.36)*, 46(4), 411-424.
17. SU, L., **HUANG, Y.**, CHOPPING, M., RANGO, A., and MARTONCHIK, J., 2009. An Empirical Study on the Utility of Topographic Parameters and BRDF Model Parameters for Mapping Vegetation in a Semi-arid Region with MISR imagery. *International Journal of Remote Sensing*, 30(13), 3463-3483. (Impact Factor: 1.138, Q2)
18. **HUANG, Y.** and SU, L., 2006. A Fast Algorithm for Constructing Multi-resolution Representations of Linear Features to Support the Progressive Transmission of Vector Map Data. *GIScience & Remote Sensing (SJR Indicator: 0.36)*, 41 (3), pp. 197-217.
19. **HUANG, Y.** and HUANG, F., 2003. Clearinghouse and Geographic Information Sharing. *Remote Sensing Information*, No. 1, pp. 27-29. (in Chinese)
20. **HUANG, Y.**, KE, Z., HE, J. and TIAN, G., 2002. A Geographic Unit Model for GIS Semantic Sharing. *Computer Application and Engineering*, No.11, pp. 119-123. (in Chinese)
21. **HUANG, Y.**, KOTTMAN, C., KE, Z., HE, J., 2001. Interoperating GIS: Review. *Journal of Image and Graphics*, No. 9, pp. 113-119. (in Chinese)
22. LI, B. and **HUANG Y.**, 2001. Peer-to-Peer Sharing of Cartographic Data. *Journal of South China Normal University*, 3, pp. 24-30.
23. **HUANG, Y.**, KE, Z. and HE, J., 2000. Semantic Interoperability: a Mediator Metadata Approach. *Journal of Geographical Sciences*, 10(2), pp. 97-107. (in Chinese)

Peer-Reviewed Conference Publications (* designates my advisee for undergraduate students)

1. CLARY, C*. and **HUANG, Y.**, 2014. Spatial access to substance abuse treatment for low-income and minority households: a case study in Dallas-Fort Worth Metroplex, Texas. *HealthGIS 2014*: 49-56
2. **HUANG, Y.**, SU, L. and JEFFRESS, G., 2012. An Error Analysis for UAV Remote Sensing. The 20th International Conference on Geoinformatics, Hong Kong, June 15 – 17.
3. **HUANG, Y.** 2011. A Latent Semantic Analysis-based Approach to Geographic Feature Categorization from Text. Fifth IEEE International Conference on Semantic Computing, Stanford University, Palo Alto, CA, USA (Acceptance rate: 22%).
4. Luper, B.,* Rietz, L.,* Lyle, S. D., **Huang, Y.**, Smith, R. A., Concannon, K., 2011. Modeling Habitats of Mosquitoes Using Remote Sensing and GIS: Improving Public Health through Vector Prevention, The 2011 URISA GIS in Public Health Conference, Atlanta. June 29, 2011.
5. Lyle, S. D., **Huang, Y.**, Smith, R. A. 2011. Applying and Modular Approach to Building an Online Surveying Degree. Mayagüez, PR: Surveying and Geomatic Educators Society.

6. **HUANG, Y.** 2010. Modeling the Severe Acute Respiratory Syndrome (SARS) outbreak in Beijing – An Agent-based Approach. In: Proceedings of the First International Conference on Computing for Geospatial Research & Application. 21-23 June 2010 Washington DC.
7. **HUANG, Y.,** 2009. An Ontology Model for the National Map. Position paper. In the UCGIS Specialist Meeting on Developing an “Ontology for the National Map”. Feb. 3-4. Washington DC. 2009.
8. **HUANG, Y.,** 2009. Progress in Automatic Ways for Ontology Construction. DIW 2009 Workshop, May 15-16.
9. **BIAN, L., WHALEN, T., HUANG, Y., LEE, G., LIM, E., MAO, L., YANG, Y.,** 2008. Explicit Spatial-Temporal Simulation of a Rare Disease. Proceedings of 11th. Joint Conf on Information Sciences. Shenzhen, China Dec 15-20, 2008
10. **HUANG, Y.,** and **BIAN, L.,** 2008. An Ontology Model for Personalized Tour Planning Recommendations on the Semantic Web. Extended Abstract. In the Proceedings of the Fifth International Conference on Geographic Information Science, Utah. Sep. 24-26, 2008 (*Top conference in GIS*)
11. **HUANG, Y.,** 2003. Ontology-based Land Use Information Service on the Semantic Web. Proceedings of 2003 University Consortium for Geographic Information Science (UCGIS) Summer Assembly, Pacific Grove, CA.

Monographs

1. MEYER P., ARAIZA, I., JORGENSEN, D., BROWN, A., AND **HUANG, Y.** 2012-2013 Coastal Bend Health Needs Assessment. (Aug. 2013) (pp.189)
2. MEYER P., ARAIZA, I., JORGENSEN, D **HUANG, Y.** AND Stoker-Garcia, B. 2016 Coastal Bend Health Needs Assessment. (Aug. 2016)

Invited Presentation

- 2017 Categorizing Geographic Features from Text Based on Latent Semantic Analysis and Ontologies, Math and Stats Department Seminar, Texas A&M University, Oct. 6.
- 2015 GIS in public health: agent-based simulation for spatial and temporal dispersion of infectious diseases. Spatial Modeling & Ecoinformatics Seminar Series, Texas A&M University – Kingsville, Dec. 4, 2015
- 2012 GIS in Public Health. College of Geography and Environment, Jiangxi Normal University, June 9, 2012.
- 2011 Explicit spatial and temporal simulation of infectious diseases using agent-based models. Department of Environmental Engineering, Texas A&M University – Kingsville. February 7, 2011

Selected Presentations and Posters (*undergraduate or graduate student)

- 2019 The impact of spatial accessibility of healthcare and neighborhood socioeconomic characteristics on elderly emergency department visits for ambulatory care sensitive conditions in the Texas Coastal Bend area. AAG Annual Conference, April 4-8, Washington D.C. (Huang, Y., Meyer, P., and Jin, J)
- 2019 The effects of neighborhood socioeconomic characteristics and spatial accessibility on potentially preventable emergency department visits for adults in Texas Coastal Bend urban area, AAG Annual Conference, April 4-8, Washington D.C. (Yang, M. *, Huang, Y.)
- 2019 Using SOM to identify TSM patterns in Yellow River estuary with MODIS 250 m imagery, AAG Annual Conference, April 4-8, Washington D.C. (Huang, P. *, Huang, Y.)
- 2017 Spatial Access to Healthcare and Potentially Preventable Hospitalizations for Older Adults, The 25th International Conference on Geoinformatics, Buffalo, August 1-4.(Huang, Y)
- 2016 Interactive biodiversity conservation mapping using Google Fusion Tables and Google Maps API. Association of American Geographer Annual Meeting, San Francisco, March 29 - April 2, San Francisco, 2016, (Na, L*., Garcia, O*., Huang, Y., Pezold, F)
- 2015 The association between preventable hospitalizations and spatial accessibility to health care for elderly in the coastal bend of Texas”, Association of American Geographer Annual Meeting, April 21-25, Chicago, 2015 (Huang, Y.X., Meyer, Pamela, Jin, L.,)
- 2013 Ethnic Disparities in Accessibility to Health Care Facilities among Older Populations in the Coastal Bend of Texas Disclosed by Spatial Analysis, The Third International Conference on Aging: An Interdisciplinary Conference, Chicago, Nov. 8-9, 2013.
- 2013 Disparities in Neighborhood Food Environments in Nueces County, TX. The 2013 International Medical Geography Symposium, Lansing, MI, July 7-12, 2013.
- 2012 Individual-based Models: Tracking and Visualizing Infectious Diseases. The 2012 SACNAS National Conference, Seattle, Oct. 11-14, 2012.
- 2012 An Error Analysis for UAV Remote Sensing. The 20th International Conference on Geoinformatics, Hong Kong, June 15 – 17.
- 2011 A Latent Semantic Analysis-based Approach to Geographic Feature Categorization from Text. Fifth IEEE International Conference on Semantic Computing, Stanford University, Palo Alto, CA, USA, September 22-26, 2011
- 2010 Agent-based Simulation of Spread and Control of SARS in Beijing. Advanced Spatial Analysis Workshop UCSB 2010, Santa Barbara, July 19-23,2010
- 2010 Modeling the Severe Acute Respiratory Syndrome (SARS) outbreak in Beijing – An Agent-based Approach. The First International Conference on Computing for Geospatial Research & Application. 21-23 June 2010 Washington DC
- 2009 Progress in Automatic Ways for Ontology Construction. DIW workshop, May 15-16.

Corpus Christi

- 2009 An Ontology Model for the National Map. In the UCGIS Specialist Meeting on Developing an “Ontology for the National Map”. Feb. 3-4. Washington DC., 2009.
- 2008 An Ontology Model for Personalized Tour Planning Recommendations on the Semantic Web. In the Proceedings of the Fifth International Conference on Geographic Information Science, Utah. Sep. 23-26, 2008
- 2008 An Agent-based System for Personalized Recommendations of Tourist Attractions. The 104th Annual Meeting, Association of American Geographers (AAG), April 14-19, Boston, MA.
- 2007 Formalizing and Integrating Tourist Attraction Categorizations Using Formal Concept Analysis. The 103th Annual Meeting, Association of American Geographers (AAG), April 17-21, San Francisco, CA.
- 2007 Modeling Vulnerability to Communicable Diseases for Communities. The 103th Annual Meeting, AAG, April 17-21, San Francisco, CA. (co-author)
- 2006 Integration of Tourist Information System and Geographic Information System for Personalized Recommendations of Tourist Attractions. GI2006 Symposium-Dresden, May 11-12, Dresden, Germany (TELE Presentation using SKYPE Voice Transmission).
- 2005 Learning Ontology from Online Tourism Information for Semantic Web-based Tourism Services. The 101th Annual Meeting, AAG, April 5-9, Denver, CO.
- 2004 Spatially Explicit, Individual-based Simulation of Transmission and Control of SARS. The 100th Annual Meeting, AAG, March 14-19, Philadelphia, PA.
- 2003 Ontology-based Land Use Information Service on the Semantic Web. The Summer Assembly, University Consortium for Geographic Information Science (UCGIS), June 16-20, Pacific Grove, CA.
- 2003 Effects of Community Characteristics on Spatial and Temporal Dispersion of Infectious Diseases. The 99th Annual Meeting, AAG, March 3-5, New Orleans, LA.
- 2000 Semantic Interoperability – a Mediator Metadata Approach. The 9th International Spatial Data Handling’ 2000, August 10-12, Beijing, China.

Awards

- 2018 A member of the first cohort of TREIS (The NSF-funded Training and Retaining Leaders in STEM-Geospatial Sciences Program) Fellows
- 2013 Elite graduate fellowship faculty mentor, Texas A&M University – Corpus Christi, summer, 2013
- 2012 Scholarship award to National Institute on Aging, Summer Institute on Aging Research, July 7-13, 2012
- 2010 Travel award to Advanced Spatial Analysis Workshop, Center for Spatial Integrated Social Science, University of California, Santa Barbara, July 19-23, 2010

- 2009 Travel Award to the conference of UCGIS Specialist Meeting on Developing an “Ontology for the National Map”. Feb. 3-4. Washington DC., 2009
- 2007 2002 Student Travel Awards from Graduate Student Associate (GSA), State University of New York at Buffalo
- 2004-2005 Principle Investigator. State University of New York at Buffalo. Mark Diamond Research Grant
- 2003 Student Travel Award to the conference of “University Consortium of Geographic Information Science (UCGIS) 2003,” Pacific Grove, CA

Workshops

- A Comprehensive Approach to Excellence in Higher Education (Forthcoming, August 8, 2013)
- Unmanned Aerial Systems (UAV) Multi-spectral Camera System Workshop, June 11-12, 2013
- Challenge-Based Instruction (CBI) Faculty Development Workshop – A Workshop on Designing Effective Instruction, March 8 – 9, 2013
- Lecture-led Training: Programming ArcGIS Desktop Using Add-Ins, ESRI. December 8-9, 2011
- Write Winning Grants workshop, NSF. May 7, 2011
- Advanced Spatial Analysis Workshop, Center for Spatial Integrated Social Science, University of California, Santa Barbara, July 19-23, 2010
- NSF Career and Other Young Investigator Programs Workshop, Texas Engineering Experiment Station – Strategic Research Development (TEES SRD), March, 2010
- Faculty Renaissance Center’s 2009 Summer Grant Writing Workshop, June-July, 2009

Grand Support and Activities

Huang, Yuxia, Spatial Temporal Data Mining Approaches for Remote Sensing Big Data. Henan University, Jan. 2017 – Dec. 2018, \$30,000

Huang, Yuxia, Zhao, Meng, Botello, Raquel, Networking and Collaboration Development: Learning and Understanding Elderly’s Spatial Temporal Activity Patterns in Senior Living Communities. University Research Enhancement, \$2,000 (March – August 2018)

Huang, Yuxia, Delineating Shoreline Indicators from Different Spatial Resolution Coastal Imagery: A comparison of Unmanned Aircraft Systems (UAS) and Satellite Images, Texas A&M University – Corpus Christi, \$5000. (September 2015 – August 2016)

Jorgensen, Daniel J (Co-Principal), Meyer, Pamela (Principal), Araiza, Isabel (Co-Principal), **Huang, Yuxia** (Co-Principal), “2016 Coastal Bend Community Healthcare Needs Assessment,” Sponsored by Community Healthcare Coalition, Local, \$69,500.00. (October 1, 2015 – August 31, 2016).

Lyle, Stacey D. (Principal), **Huang, Yuxia** (Co-Principal), Smith, Richard Allen (Co-Principal), Concannon, Kevin (Co-Principal), “Undergraduate-Scholarly Education and

Research Contact for Hispanics”, Sponsored by USDA, Federal, \$290,000. (August 2010 – August 2013).

Huang, Yuxia (Principal), Meyer, Pamela (Co-Principal), “Neighborhood Food Environment and Disparities in Diabetes in Nueces County”, Sponsored by Coastal Bend Diabetes Initiative, Inc. \$25,000 (June 2012 – June 2013)

Meyer, Pamela (Principal), “Coastal Bend Health Needs Assessment”, (November 2012 – September 2013), Role: Consultant

Huang, Yuxia (Principal), Meyer, Pamela (Co-Principal), “Ethnic Disparities in Accessibility to Health Care Facilities Among Older Populations in the Coastal Bend of Texas Disclosed by Spatial Analysis”, Sponsored by University Research Enhancement Grant, Texas A&M University-Corpus Christi, \$25,000 (June 2012 – August 2013)

Huang, Yuxia (Principal), “Proposal Submission Incentive Program”, Sponsored by University Research Enhancement Grant, Texas A&M University-Corpus Christi, \$1,250 (June 2012 – August 2013)

Huang, Yuxia (Principal), “Explore a New Automatic Way for Ontology Construction from Online Text,” Sponsored by Texas Research Development Fund (TRDF) for New Faculty, \$11,928 (March 2009 – August 31 2009)

Huang, Yuxia (Principal), “Explicit Spatial-Temporal Simulation of the Severe Acute Respiratory Syndrome,” Sponsored by University Research Enhancement Grant, Texas A&M University-Corpus Christi, \$7,515 (September 2009 – August 31 2010).

Huang, Yuxia (Principal), “Validation of Bayesian Network Architecture for Personalized travel recommendation.” Sponsored by Faculty Research Enhancement Grant, college level grant, \$4,000 (March 2009 – August 2009)

Graduate Committees

Completed Master Thesis/Project, Chair

Damion Scholz	Spatial representation of ecosystem service valuation for the Corpus Christi and Nueces Bay area, May 2010
Andrew Salinas	The methodology behind building a land surveyor’s GIS database, December 2010
Nyambura Gachette Njagi	Understanding Obesity in the “Fattest City in America” – A spatial analysis of access to health- promoting hotspots in Corpus Christi, Texas, September 2014
Khalid Abdullah Alghamdi	Designing Geodatabase for the General Authority for Statistics of the Kingdom of Saudi Arabia, Spring 2016

Na Lin

Completed Master Thesis/Project, Member

Daniel Boyett	Using Google earth and earth point software to map corner monumentation of the public land survey system in Arkansas, May 2010
Lindsay McDonald	Assistive GIS for recovery of historical original patent surveys in west Texas, May 2010
Oscar Diaz	The single-beam and multibeam acoustic depth measurement with accuracy and precision, December 2012
Alin Gonzalez (Department of Life Sciences)	Exploring the population structure of snook (<i>centropomus sp.</i>) in the Lower Laguna Madre through population genetic and GIS, December 2013, Expected
Wade McGee	A Hydrocarbon exploration – driven boundary analysis: where is the international maritime boundary between Uruguay and Brazil? Dec. 2013
Teresa Smithson	Feasibility of implementing a geographic information system to support short-term projects: a case study of a geographic information system to support facility management for a contract in the contingency environment of Afghanistan, Spring 2014
Xiao Li	A real-time crowdsourcing system for road surface assessment using smartphones, Spring 2015
Amanda Schilling	A Spatial Analysis of Boundaries in the North East Independent School District in San Antonio Texas, Spring 2016
Na Lin	Spatial analysis of potentially preventable pneumonia and asthma hospitalizations for children in the Texas Coastal Bend Area, May, 2017
Shawn Jackson	Bring a state government agency into the 21 st century through GIS: streamlining workflow by integrating database management systems and GIS for a non-riparian water use permitting program. August, 2018

Professional and Academic Service

Manuscript reviewer	International Journal of Geographic Information Science, Journal of Information Sciences, Tourism Management, The First International Conference on Computing for Geospatial Research & Application, The Second International Conference on Computing for Geospatial Research & Application, The 20 th International Conference on GeoInformatics, Hong Kong, The 21 th International Conference on GeoInformatics, Kaifeng, China
2010-2011	International Association of Chinese Professionals in Geographic Information Sciences(CPGIS)/Go-Home Committee
Session Chair	Fifth IEEE International Conference on Semantic Computing,

	Stanford University, Palo Alto, CA, USA, September 22-26, 2011
Program Committee	The 20 th International Conference on GeoInformatics, Hong Kong, June 15-17, 2012
Program Committee	The 21 th International Conference on GeoInformatics, Kaifeng, China, June 20-22, 2013
Program Committee	The 22 th International Conference on GeoInformatics, Taiwan, , June 20-22, 2014
Program Committee	The 23 th International Conference on GeoInformatics, Wuhan, China, June 20-22, 2015
Program committee	RecSys workshop on Tourism recommenders (RecSys) 2015, Sept. 20, Vienna, Austria
Program Committee	The 24 th International Conference on GeoInformatics, Galway, Ireland, Aug. 1-3, 2016
Program Committee	The 25 th International Conference on GeoInformatics, Buffalo, NY, Aug. 2-4, 2017
Program committee	The 26 th International Conference on GeoInformatics, Kunming, Yunnan, China, June 28-30, 2018

Services

Department/School

2010-present	GISC/GSEN Program Scholarship Committee, Chair
2008-2009	Department External Funding Committee, Member
2008-2009	Department Mechanical Engineering Search Committee, Member
Feb. 24, 2011	Graduate Open House
2012 -2013	Faculty Search Committees

College

2008 – present	GSEN Library Coordinator
2010- present	GISC Library Coordinator
2011- 2013	College Scholarship Committee
2011-2013	College Award Committee
2012 - 2014	S&E Research Enhancement Committee
2014 - 2016	S&E Curriculum Committee

University

2008, 2010, 2011	Island Days
2009	5th Annual LSAMP Symposium, judge
2010	Tenth Annual Undergraduate Research Symposium, Judge
June 10, 2011	ADVANCE Center for Women Faculty - Chancellor's Diversity Council
Summer 2013	Research Enhancement Committee
Sept. 2015-2017	Committee Member, Academic Integrity Hearing Panel
2018 - present	The Instructional Technology and Distance Education Committee (ITDEC)

Professional

2010	International Association of Chinese Professionals in Geographic Information Sciences/Go-Home Committee, Committee Member
2009 - present	University Consortium for Geographic Information Science (UCGIS), Delegate
2018-present	Award committee member, CPGIS
2018-present	Go Home Program Committee member, CPGIS

Community

2010	22nd Annual Coastal Bend Science Fair, Judge
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Professional Organizations

Association of American Geographers (AAG)

International Association of Chinese Professionals in Geographic Information Sciences (CPGIS)

American Geophysical Union (AGU)