

Lei Wang

Associate Professor of Geography
Department of Geography and Anthropology
Louisiana State University
227 Howe-Russell Geoscience Complex
Baton Rouge, 70803
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Education

PhD, TEXAS A&M U MAIN CAMPUS, 2006.

Major: Geography

Masters, Institute of Remote Sensing Applications (IRSA), Chinese Academy of Sciences, China, 2000

Major: Geographic Information Science and Cartography

Bachelors, Beijing University, China, 1997.

Major: Geography

Professional Positions

Professor

Associate Professor, Department of Geography and Anthropology, Louisiana State University (2013 -)

Assistant Professor of Geography (tenure-track), Department of Geography and Anthropology, Louisiana State University (2007 – 2013)

Postdoctoral

Research Associate, Texas A&M University. (2006 - 2007).

Graduate Assistant

Research Assistant for Knowledge Engineer Lab, Texas A&M University (2006)

Student Investigator for the project: "Simulating Surface Water Runoff and Assessing Impacts of Natural and Human-induced Environmental Changes on Hydrologic Processes by Integrating Remote Sensing Data and Hydrologic Models" funded by NASA Earth System Science Fellowship (2002-2005)

Teaching Assistant for Department of Geography, Texas A&M University (2000-2002)

RESEARCH

Published Intellectual Contributions

Refereed Journal Articles

1. Wu, Q., Liu, H., Wang, L., Deng, C. (2016). Evaluation of AMSR2 soil moisture products over the contiguous United States using in situ data from the International Soil Moisture Network. *International Journal of Applied Earth Observation and Geoinformation*, 45, 187–199.
2. Kim, J., Yu, J. Y., Wang, L., Liu, H. X., & Shin, H. (2016). Morphological Characteristics of the Ice Margins of Antarctic Ice Shelf and Outlet Glacier Extracted from ICESat Laser Altimetry Along-Track Profiles. *Terrestrial, Atmospheric and Oceanic Sciences*, 27(4), 451-462.

3. Li, X., Wang, L., Liu, S. (2016). Geographical Analysis of Community Resilience to Seismic Hazard in Southwest China. *International Journal of Disaster Risk Science*, 7(3), 257–276.
4. Wang, L., Liu, H. (2016). Seasonal melt extent and duration in ["State of the Climate in 2015"]. *Bulletin of the American Meteorological Society*, 97(8), S161–S163.
5. Leitner, M., Lam, N. N., Wang, F., Wang, L., Meng, S., Kent, J. (2015). Geographic information science and technology at Louisiana State University. *Cartography and Geographic Information Science*, 42(sup1), 84–90.
6. Xu, Y., Wang, L. (2015). GIS-based analysis of obesity and the built environment in the US. *Cartography and Geographic Information Science*, 42(1), 9–21.
7. WANG, L., H. LIU, S. WANG, and S. SHU, (2015), [Antarctica] 2013/14 Seasonal melt extent and duration [in "State of the Climate in 2014"]. *Bulletin of the American Meteorological Society*, 96(7), S155-158.
8. Su, H., Liu, H., Wang, L., Filippi, A. M., Heyman, W. D., Beck, R. A. (2014). Geographically adaptive inversion model for improving bathymetric retrieval from satellite multispectral imagery. *IEEE transactions on Geoscience and Remote Sensing*, 52(1), 465–476.
9. Joseph, M., Wang, F., Wang, L. (2014). GIS-based assessment of urban environmental quality in Port-au-Prince, Haiti. *Habitat International*, 41, 33–40.
10. Carle, M. V., Wang, L., Sasser, C. E. (2014). Mapping freshwater marsh species distributions using WorldView-2 high-resolution multispectral satellite imagery. *International Journal of Remote Sensing*, 35(13), 4698–4716.
11. WANG, L., H. LIU, S. WANG, and S. SHU, (2014), [Antarctica] 2012/13 Seasonal melt extent and duration [in "State of the Climate in 2013"]. *Bulletin of the American Meteorological Society*, 95(7), S149.
12. Yu, B., Shu, S., Liu, H., Song, W., Wu, J., Wang, L., Chen, Z. (2014). Object-based spatial cluster analysis of urban landscape pattern using nighttime light satellite images: A case study of China. *International Journal of Geographical Information Science*, 28(11), 2328–2355.
13. Wang, F., Tang, Q., Wang, L. (2014). Post-Katrina Population Loss and Uneven Recovery in New Orleans, 2000–2010. *Geographical Review*, 104(3), 310–327.
14. WANG, L., and LIU, H., 2013, [Antarctic] 2011/12 Seasonal melt extent and duration [in "State of the Climate in 2012"]. *Bulletin of the American Meteorological Society*, 94, pp. S139-S141.
15. Hu, B., Zhou, J., Xu, S., Chen, Z., Wang, J., Wang, D., Wang, L., Guo, J., Meng, W. (2013). Assessment of hazards and economic losses induced by land subsidence in Tianjin Binhai new area from 2011 to 2020 based on scenario analysis. *Natural hazards*, 66(2), 873–886.
16. Wang, L., Birt, A. G., Lafon, C. W., Cairns, D. M., Coulson, R. N., Tchakerian, M. D., Xi, W., Popescu, S. C., Guldin, J. M. (2013). Computer-based synthetic data to assess the tree delineation algorithm from airborne LiDAR survey. *Geoinformatica*, 17(1), 35–61.
17. Yu, J., Liu, H., Wang, L., Jezek, K. C., Heo, J. (2012). Blue ice areas and their topographical properties in the Lambert glacier, Amery lceshelf system using Landsat ETM+, ICESat laser altimetry and ASTER GDEM data. *Antarctic Science*, 24(01), 95–110.
18. Wang, L. (2012). Deriving spatially varying thresholds for real-time snowmelt detection from space-borne passive microwave observations. *Remote sensing letters*, 3(4), 305–313.

19. Wang, L., Yu, J. (2012). Modelling detention basins measured from high-resolution light detection and ranging data. *Hydrological Processes*, 26(19), 2973–2984.
20. Liu, H., Wang, L., Tang, S.-J., Jezek, K. C. (2012). Robust multi-scale image matching for deriving ice surface velocity field from sequential satellite images. *International journal of remote sensing*, 33(6), 1799–1822.
21. Tang, Q., Wang, L., Li, B., Yu, J. (2012). Towards a comprehensive evaluation of VIS sub-pixel fractions and land surface temperature for urban land-use classification in the USA. *International journal of remote sensing*, 33(19), 5996–6019.
22. Tang, Q., Wang, L. (2012). Urban land-use, land-cover classification through watershed segmentation in the V–I–S feature space. *Remote sensing letters*, 3(8), 677–685.
23. Joseph, M., Wang, L., Wang, F. (2012). Using Landsat imagery and census data for urban population density modeling in Port-au-Prince, Haiti. *GIScience & Remote Sensing*, 49(2), 228–250.
24. WANG, L., and LIU, H., 2012, [Antarctica] 2010/11 Seasonal melt extent and duration [in "State of the Climate in 2011"]. *Bulletin of the American Meteorological Society*, 93, pp. S156–157.
25. Liu, H., Wang, L., Sherman, D. J., Wu, Q., Su, H., others (2011). Algorithmic foundation and software tools for extracting shoreline features from remote sensing imagery and LiDAR data. *Journal of Geographic Information System*, 3(02), 99.
26. Wang, L., Yu, J. (2011). Spatiotemporal segmentation of spaceborne passive microwave data for change detection. *IEEE Geoscience and Remote Sensing Letters*, 8(5), 909–913.
27. WANG, L., and LIU, H., 2011, [Antarctica] 2009/10 seasonal melt extent and duration [in .State of the Climate in 2010.]. *Bulletin of the American Meteorological Society*, 92, pp. S167.
28. Liu, H., Wang, L., Sherman, D., Gao, Y., Wu, Q. (2010). An object-based conceptual framework and computational method for representing and analyzing coastal morphological changes. *International Journal of Geographical Information Science*, 24(7), 1015–1041.
29. WANG, L., and LIU, H., 2010, Antarctica seasonal melt extent and duration [in .State of the Climate in 2009.]. *Bulletin of the American Meteorological Society*, 91, pp. S130–S131.
30. Xi, W., Wang, L., Birt, A. G., Tchakerian, M. D., Coulson, R. N., Klepzig, K. D. (2009). An integrated approach to mapping forest conditions in the Southern Appalachians (North Carolina), *Ecological Restoration*, 26, pp. 290–302.
31. Bhattacharya, I., Jezek, K. C., Wang, L., Liu, H. (2009). Surface melt area variability of the Greenland ice sheet: 1979–2008. *Geophysical Research Letters*, 36(20), pp. L20502.
32. Liu, H., Wang, L. (2008). Mapping detention basins and deriving their spatial attributes from airborne LiDAR data for hydrological applications. *Hydrological processes*, 22(13), 2358–2369.
33. LIU, H., WANG, L., and JEZEK, K., 2007, Antarctica seasonal melt extent and duration [in .State of the Climate in 2006.]. *Bulletin of the American Meteorological Society*, 88, pp. S75–S75.
34. Xi, W., Waldron, J. D., Cairns, D. M., Lafon, C. W., Coulson, R. N., Tchakerian, M. D., Wang, L., Birt, A. G., Klepzig, K. D. (2007). PS 47-101: Modeling ecological restoration effects on yellow pine forests following southern pine beetle infestations in the southern Appalachian Mountains.

35. Wang, L., Liu, H. (2006). An efficient method for identifying and filling surface depressions in digital elevation models for hydrologic analysis and modelling. *International Journal of Geographical Information Science*, 20(2), 193–213.
36. Liu, H., Wang, L., Jezek, K. C. (2006). Automated delineation of dry and melt snow zones in Antarctica using active and passive microwave observations from space. *IEEE transactions on geoscience and remote sensing*, 44(8), 2152.
37. Liu, H., Wang, L., Jezek, K. C. (2006). Spatio-temporal variations of snowmelt in Antarctica derived from satellite SMMR and SSM/I data (1978-2004). *Journal of Geophysical Research*, 111, 1–20.
38. Liu, H., Wang, L., Jezek, K. C. (2006). Spatiotemporal variations of snowmelt in Antarctica derived from satellite scanning multichannel microwave radiometer and Special Sensor Microwave Imager data (1978–2004). *Journal of Geophysical Research: Earth Surface*, 111(F1).
39. Liu, H., Wang, L., Jezek, K. C. (2005). Wavelet-transform based edge detection approach to derivation of snowmelt onset, end and duration from satellite passive microwave measurements. *International Journal of Remote Sensing*, 26(21), 4639–4660.

Other scholarly publications

1. Xi, W., Wang, L., M. D. Tchakerian & R. N. Coulson. 2009. Mapping South Pine Beetle hazard in the southern Appalachian Mountains. In ESRI Map Book: Mapping Forestry, ed. P. Eredics, 57-60. Redland, CA: ESRI Press.
2. CARLE, M. V., SASSER, C., WANG, L., and TWILLEY, R., 2011, Mapping deltaic wetland vegetation at the species-level using WorldView-2 multispectral imagery <http://dgl.us.neolane.net/res/img/b7e069481eb86a90e18bdfacc9fbff5d.pdf>
3. Wang, L. (2006). Investigating impacts of natural and human-induced environmental changes on hydrological processes and flood hazards using a GIS-based hydrological/hydraulic model and remote sensing data. Texas A&M University.

MANUSCRIPTS UNDER PEER-REVIEW

- Huang, Jing, Yujie Hu, Lei Wang, Min Xu, Richard Beck, Hongxing Liu, Larry Liou, and John Lekki. "Mapping Chlorophyll a as a proxy for CyanoHABs from Landsat-8 OLI image using Random Forests.", *IEEE Transaction on Geoscience and Remote Sensing*, Under Peer-Review.
- Liu, Shan, Lei Wang, Hongxing Liu, Haibin Su, Wenfeng Zheng, and Xiaolu Li. "Deriving Bathymetry from Optical Images with a Localized Neural Network Algorithm.", *IEEE Transaction on Geoscience and Remote Sensing* Under Peer-Review.
- Wang, Lei, Yujie Hu, Jing Huang, Jun Wang, and Jaehyung Yu. "Applying a reduced dimension Krige Kalman Filter on rain gauge data interpolation.", *Hydrological Sciences*, Under Peer-Review.
- Wang, Lei, Hongxing Liu, Haibin Su, and Jun Wang. "Bathymetry Retrieval from Optical Images with Spatially Distributed Support Vector Machines.", *GIScience & Remote Sensing*, Under Peer-Review.
- Xiang, Hanyu, Lei Wang, and Zhengsong Chen. "Mapping ground elevation change around the Bayou Corne Sinkhole, Louisiana in 2011-2013.", *Natural hazards*, Under Peer-Review.
- Xu, Yanqing, Lei Wang, and Cong Fu. "Deriving Land Use Mix from remotely sensed data for analyzing obesity in the U.S.", *Annals of GIS*, In Revision.
- Xu, Yaping, Lei Wang, and Chengliang Liu. "Identifying unlawful constructions in cultural relic sites based on subpixel mapping -a case study in Mangshan Tombs, China.", *AIMS Geosciences*, Under Peer-Review.

Presentations Given

1. Xu, Y. (Author & Presenter), Wang, L. (Author), Fu, C. (Author), AAG 2016 Annual Meeting, "Deriving Land Use Mix from remotely sensed data for analyzing obesity in the U.S," American Association of Geographers, San Francisco, CA, United States. (April 2, 2016).
2. Wang, L., AAG 2016 Annual Meeting, "Modelling gaged precipitation data with an integrated spatio-temporal approach," American Association of Geographers, San Francisco, CA, United States. (March 30, 2016).
3. Yang, B. (Author & Presenter), Liu, H. (Author), Kang, E. L. (Author), Beck, R. (Author), Hinkel, K. (Author), Wang, L. (Author), AAG 2016 Annual Meeting, "Spatio-temporal Cokriging: A Multi-scale Assimilation Method for Downscaling, Hindcasting, and Forecasting," American Association of Geographers, San Francisco, CA, United States. (March 30, 2016).
4. Shu, Song, Liu Hongxing, Kenneth M. Hinkel, Richard A. Beck, Lei Wang, and Bailang Yu. (2015). "Analysis of snow depth and lake elevation variability in Alaskan Arctic Coastal Plain using ICESat-1 laser altimetry observations." 2015 AAG Annual Meeting, Chicago, Illinois.
5. Wang, Lei, Shan Liu, and Hongxing Liu. (2015). "LOCALIZED ENSEMBLE NEURAL NETWORKS FOR BATHYMETRY MAPPING FROM SATELLITE IMAGES." International Geoscience and Remote Sensing Society 2015, Milan, Italy, July 26-31, 2015.
6. Wang, Shujie, Hongxing Liu, and Lei Wang. (2015). "Investigation of the flow dynamics of the rapidly retreating ice shelves, Antarctica." 2015 AAG Annual Meeting, Chicago, Illinois.
7. Yang, Bo, Hongxing Liu, Emily Kang, Richard Beck, Kenneth Hinkel, and Lei Wang. (2015). "Spatio-temporal assimilation of multi-scale spatial data sets within a cokriging framework." 2015 AAG Annual Meeting, Chicago, Illinois.
8. WANG, L. (2014), Measuring land use land cover at large scales, In 8th International Symposium on Geospatial Health, New Orleans, Louisiana, October 31 – November 2, 2014.
9. WANG, S., H. LIU, L. WANG, (2014) Spatio-temporal variability of ice flow and its association with the dynamics of surface morphological features on Larsen Ice Shelf, Antarctic Peninsula, AAG Annual Meeting, Tampa, FL, April 8-12, 2014.
10. S. SHU, H. LIU, K. HINKEL, R. BECK, L. WANG, (2014) Spatio-temporal Variability of Lake Ice Surface Elevation and Water Stage of Alaskan Arctic Lakes from ICESat Laser Altimetry Observations, 2003-2009, , AAG Annual Meeting, Tampa, FL, April 8-12, 2014.
11. WANG, L., and TANG, Q., 2013, Population regression model in the V-I-S feature space, Annual Meeting of Association of American Geographers, Los Angeles, CA.
12. Wang, L. 2013. Population loss and policy inferences from regression models: a case study of New Orleans. In The 21st International GeoInformatics Conference. Henan University, Kaifeng.
13. LIU, H., WANG, S., and WANG, L., 2013, DETECTION AND ANALYSIS OF POLAR ICE FLOW VARIATIONS BASED ON TIME SERIES MULTI-SENSOR IMAGES AND AUTOMATED IMAGE MATCHING TECHNIQUE, IEEE International Geoscience and Remote Sensing Symposium, Melbourne, Australia.
14. WANG, L., 2012, Morphologic feature detection from LiDAR data using BU algorithm, The 20th International Conference on GeoInformatics, Hongkong, China
15. WANG, L., 2012, Morphologic feature detection from profiling and scanning LIDAR data, 2012 Annual Conference of Association of American Geographers, New York, NY.

16. Wang, L. 2012, Impervious Surface, Urban land use and floods, talk given to the 2012 CPGIS Young Scholar Workshops in China, Guangzhou & Kaifeng, China
17. LIU, H., WANG, L., JEZEK, K., and GUO, W., 2012, Derivation of time series surface velocity measurements for Antarctic glaciers from multi-sensor remote sensing images, 2012 Annual Conference of Association of American Geographers, New York, NY.
18. YU, J., LIU, H., WANG, L., and TANG, Q., 2010, Quantitative Analysis of Antarctic Coastal Geomorphology based on ICESat Laser Altimetry along-track profiles, Annual Meeting of Association of American Geographers (AAG), Washington D.C.
19. WANG, L., and YU, J., 2010, Coastal morphologic feature detected from profiling and scanning laser altimetry data: 26th Annual Louisiana Remote Sensing and GIS Workshop.
20. WANG, L., and LIU, H., 2010, An object-oriented approach to generating hydrologic response units for distributed hydrologic modeling, Annual Meeting of Association of American Geographers (AAG), Washington D.C., USA.
21. QUAN, T., and WANG, L., 2010, A Stratified Local Regression on Population Segregation Mapping and Estimation using Remote Sensing, Annual Meeting of Association of American Geographers (AAG), Washington D.C.
22. LIU, H., SU, H., WANG, L., FILIPPI, A., and HEYMAN, W., 2010, GLOBAL, REGIONAL AND LOCALIZED INVERSION METHODS FOR MAPPING BATHYMETRY BASED ON MULTI-SPECTRAL IMAGERY: 2010 IEEE International Geoscience and Remote Sensing Symposium.
23. WANG, L., 2009, Modeling Stormwater Detention Basins for Flood Control, Annual Meeting of Association of American Geographers (AAG), Las Vegas, NV.
24. WANG, L., LIU, H., TANG, S., and JEZEK, K., 2008, Multi-scale image matching for deriving surface velocity field from sequential satellite images, 24th Annual Louisiana Remote Sensing and GIS workshop, New Orleans, LA.
25. LIU, H., and WANG, L., 2008, Deriving Morphological Information of Stream Channel Network from LIDAR DEMs, the Sixteenth International Conference on GeoInformatics and Joint Conference on GIS and Built Environment, Guangzhou, China.
26. BHATTACHARYA, I., JEZEK, K., WANG, L., and LIU, H., 2008, Greenland Surface Melt Trends From SSM/I And QuikSCAT Data: American Geophysical Union, Fall Meeting, p. 0485.
27. Annual Geography Faculty Development Alliance Workshop, June 14 ~ 20, 2008, Boulder, Colorado.
28. WANG, L., and LIU, H., 2007, Investigating Impacts of Natural and Human-induced Environmental Changes on Hydrological Processes and Flood Hazards Using a GIS-based Hydrologic/Hydraulic Model and Remote Sensing Data, Association of American Geographers Annual Meeting, San Francisco, LA.
29. WANG, L., 2007, Assessing the use of small footprint LIDAR data and watershed segmentation algorithm on deriving forest stand information, Southwest Division of American Association of Geographers Annual Conference, Bryan, TX.
30. WANG, L., OLIVERA, F., and LIU, H., 2006, Incorporating high resolution LIDAR DEM into a GIS-based distributed hydrological model with variable spatial scales, Association of American Geographers Annual Meeting, Chicago, IL.
31. WANG, L., 2004, Identification and Filling of Surface Depressions in DEMs for Hydrologic Modeling, Association of American Geographers Annual Meeting, Philadelphia, PA.

32. WANG, L., LIU, H., and MEYER, W., 2003, Derivation of Hydrologic Parameters and Stream Network from Airborne LiDAR data, Association of American Geographers Annual Meeting, New Orleans, USA.
33. WANG, L., LIU, H., and JEZEK, K., 2003, Spatial and Temporal Variations of Snow Melting in Antarctic Ice Sheet Derived from Satellite Passive Microwave Measurements ASPRS Annual Conference, Anchorage, USA.

Contracts, Grants and Sponsored Research

Grant and Grant Activities

- Co-PI (with Leitner et al.), Geospatial Data Collection Technology for the Social, Natural, Environmental, and Engineering Sciences, Louisiana State University, \$69077 awarded. (January 1, 2017 - Present)
- PI- Wang, L., College of HSS Summer Research Grant, \$5000 awarded. (June 1, 2016 - August 20, 2016)
- Co-PI (with Cai et al.) Resilience Enhancement for Coastal Transportation Infrastructures under Multi-Hazard Environment, Submitted to NSF in 2015, Not Funded.
- Co-PI (with Cai et al.) on "Hazards SEES: Towards a sustainable and resilient transportation infrastructure-adapting coastal climate uncertainties", proposal submitted to National Science Foundation, SEES program in 2015, \$2,333,619 requested, Not Funded.
- PI- Lei Wang: "Integrated spatio-temporal data modeling for natural processes". Proposal submitted to Louisiana Board of Regents, \$10,000 requested in 2014, not funded.
- PI – Lei Wang: "Surface melt and formation of melt ponds on Antarctic ice shelves influenced by warming climate", proposal submitted to National Science Foundation, Polar Program in 2014, \$202,535 requested, not funded.
- Co-PI (with Deng et al.) on "Development of Satellite-Assisted Norovirus Early Alert System for Gulf Coast Oysters", submitted to NASA in 2014, \$1,132,355 requested, not funded.
- Co-PI (with Meng et al.), Acquisition of the Terrestrial Laser Scanner for Multidisciplinary Coastal Research, LSU Office of Research & Economic Development (ORED), \$109,286, Louisiana State University 2012.
- Co-PI (with Trepanier et al.), Bring the Environment Inside: An Earth Science Laboratory, Louisiana Board of Regents, Traditional and Undergraduate Enhancement Fund, \$96,369, 2012, not funded.
- PI- Lei Wang, Flood hazard resiliency and accessibility of retail infrastructure in New Orleans, Louisiana Board of Regents, \$72,308 awarded, June 2011 – June 2013.
- PI: Lei Wang. Mapping coastal erosion and storm surge hazards on the western Louisiana coast. Submitted to Louisiana Board of Regents in 2009, not selected.
- Co-PI (with Sherman et al.) Mapping and modeling erosion and storm surge hazards along the upper Texas and Western Louisiana Gulf Coast using airborne Lidar and hyperspectral remote sensing data. Submitted to National Sea Grant and NOAA in 2009. Not funded.
- PI: Lei Wang, 2008. Optimizing the siting of stormwater detention basins for flood hazard mitigation in the Baton Rouge and New Orleans Metropolitan Area. Board of Regents. Not funded.
- Co-PI (with Deng et al.), Development of Wireless Sensor Station-Networked Water Quality Monitoring and Analysis System. Submitted To NSF in 2007. Not funded.
- Second-place paper award of the Remote Sensing Specialty Group (RSSG) paper competition, Association of American Geographers, 2005

Second-place paper award of the GIS Specialty Group (GISSG) paper competition, Association of American Geographers, 2004

SERVICE

University Service

Faculty Mentor, Chinese Student and Scholar Association at Louisiana State University. (August 20, 2015 - Present).

Committee Chair, Friday Forum Speakers Committee. (August 20, 2015 - Present).

Committee Chair, Graduate Certificate Program of Geographic Information System. (August 20, 2015 - Present).

Professional Service

Director, Remote Sensing Specialty Group, American Association of Geographers. (August 15, 2016 - Present).

Guest Editor of special issue "Remote Sensing for 3D Urban Morphology ", Remote Sensing. (January 1, 2016 - Present).

Reviewer of Journal Articles

International Journal of Digital Earth, PLOS ONE, Transactions on Geoscience and Remote Sensing, Journal Article, ISPRS International Journal of Geo-Information, Journal Article, GIScience & Remote Sensing, Applied Geography, The Arab World Geographer, Chinese Geographical Science, GeoJournal, International Journal of Geographical Information Sciences, Journal of the American Water Resources Association, Landscape and Urban Planning, Cartography and GIS, Remote Sensing of Environment

TEACHING

Teaching Experience

Louisiana State University

GEOG 4045, ENVRNMNTL REMOTE SEN

GEOG 4047, GIS

GEOG 7973, Advanced GIS

GEOG 7975, ADV REMOTE SENS SEM

Guest Lecturer, GEOG 7901, Research Method in Geography

Directed Student Learning (only recent are listed)

Dissertation Committee Chair, Geography & Anthropology. (Fall 2016 - Present).
Student Name: Nicholas Enwright

Dissertation Committee Chair. (Fall 2014 - Present).
Student Name: Yaping Xu

Dissertation Committee Member. (Fall 2014 - Present).
Student Name: Glenn Suir

Master's Non-Thesis Option, Department of Natural Sciences. (Fall 2014 - Present).
Student Name: Kyle Zulpo

Master's Thesis Committee Member. (Fall 2014 - Present).
Student Name: Coryn Collins

Master's Thesis Committee Member. (Fall 2014 - Present).
Student Name: Jianguo Yuan

Master's Thesis Committee Member. (Fall 2014 - Present).
Student Name: Wenjia Cao

Dissertation Committee Chair. (Fall 2012 - Present).
Student Name: Hanyu Xiang

Master's Thesis Committee Chair, "Detecting the Spatial Patterns of Blue-green Algae in Harsha Lake using Landsat 8 Imagery." (Spring 2013 - Summer 2016).
Student Name: Jing Huang

Master's Thesis Committee Chair, "A STATISTICAL, DATA-DRIVEN ASSESSMENT OF CLIMATE EXTREMES AND TRENDS FOR THE CONTINENTAL U.S." (Fall 2013 - Winter 2016).
Student Name: Xinbo Huang