

## Curriculum Vitae

### Xingong Li

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### Education

Ph.D.            Geography, University of South Carolina, 2000  
M.S.            Geography, Nanjing University (China), 1992  
B.S.            Geology, Nanjing University (China), 1989

### Academic Appointments

Professor 2017.4-present	Department of Geography and Atmospheric Science, University of Kansas
Associate Professor 2010.6-2017.3	Department of Geography and Atmospheric Science, University of Kansas
Assistant Professor 2003-2010.5	Department of Geography, University of Kansas
Assistant Professor 2000-2002	Department of Geography & Planning, Appalachian State University
Research Scientist 1992-1996	State Key Laboratory of Resources and Environment Information System, Chinese Academy of Sciences

### Refereed Publications

*(Italics denotes a student or visiting scholar under my advisement and \* indicates corresponding author)*

1. She, J., Y. Zhou, X. Tan, **X. Li\***, and X. Guo (2017) A parallelized screen-based method for rendering polylines and polygons on terrain surfaces, *Computers & Geosciences*, 99:19-27, doi: 10.1016/j.cageo.2016.10.011.
2. *Li, H., X. Li\**, and P. Xiao (2016) Impact of Sensor Zenith Angle on MOD10A1 Data Reliability and Modification of Snow Cover Data for the Tarim River Basin, *Remote Sensing*, 8, 750, doi:10.3390/rs8090750.
3. *Liu, W. and X. Li\** (2016) Life cycle characteristics of warm-season severe thunderstorms in central united states from 2010 to 2014, *Climate*, 4(3), 45, doi:10.3390/cli4030045.

4. Sun, C., X. Li\*, Y. Chen (2016) Climate change and runoff response in an arid mountain watershed of western Kunlun Mountains, *Hydrological Science Journal*. DOI: 10.1080/02626667.2016.1224885.
5. She, J. and X. Li\* (2016) Map algebra based analysis for directed flow networks, *Transactions in GIS*, 20(3), DOI10.1111/tgis.12234.
6. Sun, C., J. Yang, Y. Chen, X. Li, Y. Yang, Y. Zhang (2016) Comparative study of streamflow components in two inland rivers in the Tianshan Mountains, Northwest China, *Environmental Earth Sciences*. 75(9): 1-14, DOI: 10.1007/s12665-016-5314-1.
7. Li, X\*, S. Zhang, Y. Chen (2016) Error assessment of grid-based diffuse solar radiation models, *International Journal of Geographical Information Science*, 30(10), DOI:10.1080/13658816.2016.1155215.
8. Liu, W., K. Purdon, T. Stafford, J. Paden, X. Li\* (2016) Open Polar Server (OPS) – An Open Source Spatial Data Infrastructure for the Cryosphere Community, *ISPRS International Journal of Geo-Information*, 5(32), doi:10.3390/ijgi5030032.
9. Sun, C., X. Li\*, Y. Chen (2016) Spatial and temporal characteristics of stable isotope in the Tarim River basin, *Isotopes in Environmental & Health Studies*, 52(3), DOI:10.1080/10256016.2016.1125350.
10. Sun, C., Y. Chen, W. Li, X. Li, Y. Yang (2016) Isotopic time-series partitioning of streamflow components under regional climate change in the Urumqi River, northwest China, *Hydrological Sciences Journal*, 61(8), DOI: 10.1080/02626667.2015.1031757.
11. Liu, P., X. Li\*, W. Liu, T. Ai (2015) Fourier-based multi-scale representation and progressive transmission of cartographic curves on the Internet, *Cartography and Geographic Information Science*, 43(5), 10.1080/15230406.2015.1088799.
12. Liu, W., X. Li\*, D. A. Rahn (2015) Storm event representation and analysis based on a directed spatiotemporal graph model, *International Journal of Geographical Information Science*, 30(5), doi: 10.1080/13658816.2015.1081910.
13. Zhang, S., X. Li\*, Y. Chen (2015) Error assessment of grid-based direct solar radiation models, *International Journal of Geographical Information Science*, 29(10), doi: 10.1080/13658816.2015.1055273.
14. She, J., Y. Zhang, X. Li\*, X. Feng (2015) Spatial and temporal characteristics of snow cover in the Tizinafu watershed of western Kunlun Mountains, *Remote Sensing*, 7(4), 3426-3445; doi: 10.3390/rs70403426.
15. Sun, C., W. Li, Y. Chen, X. Li, Y. Yang, (2015) Isotopic and hydrochemical composition of runoff in the Urumqi River, Tianshan Mountains, China, *Environmental Earth Sciences*, 74(2), DOI 10.1007/s12665-015-4144-x.
16. Sun, C., Y. Chen, X. Li, W. Li (2015) Analysis on the stream flow components of the typical inland river, Northwest China, *Hydrological Sciences Journal*, 61(5), DOI: 10.1080/02626667.2014.1000914.

17. Sheng, B., and X. Li\*, (2015) TRMM precipitation data accuracy assessment in the Tarim Basin, *Arid Land Geography* (in Chinese), 38(4): 703-712.
18. Li, X. \*, C. J. Grady, and T. A. Peterson (2014) Delineating Sea Level Rise Inundation Using a Graph Traversal Algorithm, *Marine Geodesy*, 37(2): 267-281, DOI: 10.1080/01490419.2014.902884.
19. Peterson, T.A. and X. Li (2014) Niche-based projections of wetlands shifts with marine intrusion from sea level rise: an example analysis for North Carolina, *Environmental Earth Sciences*, 73(4), DOI 10.1007/s12665-014-3498-9.
20. She, J., Y. Zhang, X. Li\*, and Y. Chen (2014) Changes of Snow and Glacier Cover in an Arid Watershed of Western Kunlun Mountains Using Multisource Remote Sensing Data, *International Journal of Remote Sensing*, 35(1): 234-251, DOI: 10.1080/01431161.2013.866296.
21. Fan, Y., Y. Chen, X. Li, W. Li, and Q. Li (2014) Characteristics of water isotopes and ice-snowmelt quantification in the Tizinafu River, north Kunlun Mountains, Central Asia, *Quaternary International*, 380-381(4), doi:10.1016/j.quaint.2014.05.020.
22. Wu, S., S. Zhou, D. Chen, Z. Wei, L. Dai, and X. Li (2014) Determining the contributions of urbanisation and climate change to NPP variations over the last decade in the Yangtze River Delta, China. *Science of the Total Environment*, 472(2): 397-406, DOI: 10.1016/j.scitotenv.2013.10.128.
23. Islam, M. Z., S. Menon, X. Li, and A. T. Peterson (2013) Forecasting ecological impacts of sea-level rise on coastal conservation areas in India, *Journal of Threatened Taxa*, 5(9): 4349-4358, DOI: 10.11609/JoTT.o3163.4349-58.
24. Gali, R. K., K. R. Douglas-Mankin, X. Li, and T. Xu (2012) Assess NEXRAD P3 data effects using SWAT model in an agricultural watershed, *Journal of Hydraulic Engineering*, 17:1245-1254.
25. Fan, Y., Y. Chen, W. Li, H. Wang, X. Li (2011) Impacts of temperature and precipitation on runoff in the Tarim River during the past 50 years *Journal of Arid Land*, 3(3): 220-230.
26. Leng, C., Y. Chen, X. Li, Y. SUN (2011) Evaluation of oasis stability in the lower reaches of the Tarim River, *Journal of Arid Land*, 3(2): 123-131.
27. Wu, S., S. Zhou, X. Li (2011) Determining the anthropogenic contribution of heavy metal accumulations around a typical industrial town: Xushe, China. *Journal of Geochemical Exploration*, 110 (2), 92-97, DOI: 10.1016/j.gexplo.2011.04.002.
28. Li, Q., Y. Chen, Y. Shen, and X. Li. (2011) Spatial and temporal trends of climate change in Xinjiang, China, *Journal of Geographical Sciences*, 21(6): 1007-1018. DOI: 10.1007/s11442-011-0896-8.
29. Peterson, A.T., S. Menon, and X. Li. (2010) Recent Advances in the Climate Change Biology Literature: describing the whole elephant, *Interdisciplinary Reviews: Climate Change*, 1(4): 548-555.

30. Peterson, A.T., A.G. Navarro-Siguenza, and **X. Li**. (2010) Joint effects of marine intrusion and climate change on the Mexican avifauna, *Annals of the Association of American Geographers*, 100(4): 908-916, DOI: 10.1080/00045608.2010.497351.
31. Menon, S., J. Soberon, **X. Li**, and A.T. Peterson. (2010) Preliminary global assessment of terrestrial biodiversity consequences of sea-level rise mediated by climate change, *Journal of Biodiversity and Conservation*, 19(6): 1599-1609, DOI 10.1007/s10531-010-9790-4.
32. Wu, S., S. Zhou, **X. Li**, T. Jackson, Q. Zhu. (2010) An approach to partition the anthropogenic and natural components of heavy metal accumulations in roadside agricultural soil, *Environmental Monitoring and Assessment*, 173(1), DOI 10.1007/s10661-010-1430-7.
33. French, K. and **X. Li\*** (2010) Feature-based cartographic modeling, *International Journal of Geographical Information Science*. 24(1): 141-164. DOI: 10.1080/13658810802492462.
34. Setiadi, M.I., A. Hamidy, Z. Abidin, D. Susanto, R. Brown, A.T. Peterson, **X. Li**, and B.J. Evans. (2010) Geographic genetic structure of herpetofauna on Halmahera Island, Indonesia: implications for the Aketajawe-Lolobata National Park, *Journal of Conservation Biology*. 24(2): 553-562. DOI: 10.1111/j.1523-1739.2009.01384.x.

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35. Wu, S., S. Zhou, **X. Li**, W.C. Johnson, H. Zhang, and J. Shi. (2009) Heavy-metal accumulation trends in Yixing, China: an area of rapid economic development, *Environmental Earth Sciences (formerly Journal of Environmental Geology)*, 61(1), DOI 10.1007/s12665-009-0321-0.
36. Tucker, D.F., and **X. Li**. (2009) Characteristics of warm season precipitating storms in the Arkansas-Red River basin, *Journal of Geophysical Research—Atmospheres*, 114(D13), D13108, doi:10.1029/2008JD011093.
37. **Li, X.**, R.J. Rowley, J.C. Kostelnick, D. Braaten, J. Meisel, and K. Hulbutta (2009) GIS analysis of global impacts from sea level rise. *Photogrammetric Engineering & Remote Sensing*, 75(7): 807-818.
38. Wu, S., S. Zhou, **X. Li**, H. Zhang, K. Ren, and Q. Zhao (2009) Estimating the anthropogenic fluxes of heavy metal accumulations in roadside agricultural soils. *Fresenius Environmental Bulletin*, 18(7b): 1336-1340.
39. **Li, X.** and M. Williams (2008) Snowmelt runoff modeling in an arid mountain watershed, Tarim Basin, China. *Hydrological Processes*, 22(19): 3931-3940.
40. Legra, L., **X. Li**, and T. A. Peterson (2008) Biodiversity consequences of sea level rise in New Guinea. *Pacific Conservation Biology*, 14(3): 191-199.
41. Rowley, R.J., J.C. Kostelnick, D. Braaten, **X. Li**, and J. Meisel (2007) Risk of rising sea level to population and land area. *Eos, Transactions, American Geophysical Union*, 88(9): 105-107.
42. **Li, X.** (2005) Deriving directional variance from covariance matrix. *Transactions in GIS*, 9(3): 443-445.

43. Li, X., C. Larson, and A. Rex (2005) Creating buffers on surfaces. *Cartography and Geographical Information Science*, 32(3): 195-210.
44. Li, X., S. Wang, and M. Harman (2005) Improved lake/reservoir water quality modeling using an environmental model and GIS. *GIScience & Remote Sensing*, 42(4): 320-332.
45. Li, X. and M. Hodgson (2004) Vector field data model and operations. *GIScience & Remote Sensing*, 41(1): 1-24.
46. Hodgson, M., X. Li, and Y. Chen (2004) A parameterization model for transportation feature extraction. *Photogrammetric Engineering & Remote Sensing*, 70(12): 1399-1404.
47. Lin, H., Q. Wan, X. Li, J. Chen, and Y. Kong (1997) GIS-based multi-criteria evaluation support system for investment, *Environment Management and Planning B*, 24(2): 403-414.
48. Li, X. and T. Chi (1995) The design and implementation of a feature-oriented GIS. *Remote Sensing Technology and Applications*. 10(4): 65-70. (in Chinese)
49. Li, X., F. Qiu, and S. Zhan (1995) Application of GPS and GIS in vehicle real-time monitoring. *Remote Sensing Technology and Applications*, 10(2): 33-37. (in Chinese)
50. Wu, B., M. Zhang, and X. Li (1994) Development of GIS. *Acta Geographical Sinica*. 49(8): 632-640. (in Chinese)

## Manuscripts under Revision or Review

1. Zhang, S. and X. Li (under revision) An all sky solar radiation model for mountainous terrain using MODIS cloud products, *Remote Sensing of Environment*.
2. Coll, J. and X. Li (under review) A comprehensive validation on MODIS snow cover products, *Remote Sensing of Environment*.

## Other Publications

1. Li, X. (2010) Map algebra, in *Encyclopedia of Geography* (Ed. B. Warf), SAGE Publications, 1824-1825.
2. Li, X. and T. Xu (2008) Using NEXRAD Precipitation in AnnAGNPS, *Software and Technical Report to USDA*, 28 pages.
3. Harman, M., X. Li, and S. Wang (2004) GIS extension for BATHTUB—software and user manual. *Kansas Biological Survey Publication No. 122*, 35 pages.
4. Li, X. (1998) Distributed storm runoff modeling using GIS. *Proceedings of GIS/LIS'98 Annual Conference*, Fort Worth, Texas, pp: 68-75
5. Li, X. (1997) Development of neural network spatial interpolator for precipitation estimation. *Proceedings of GIS/LIS'97 Annual Conference*, Cincinnati, Ohio. pp: 653-662.

## Scholarly Presentations

1. Li, X. and J. Coll, Building a Cloud-based Global Snow Observatory, *American Geophysical Union (AGU) Fall Meeting*, San Francisco, December 2016.
2. Li, X., Modeling Solar Radiation through Cloud Computing. *The 17<sup>th</sup> International Conference on Spatial Data handling*, Beijing, August 2016.
3. Li, X., Modeling Solar Radiation through Cloud Computing. *NSF Workshop on Geospatial Data Science in the Era of Big Data and CyberGIS*, UIUC, IL, July 2016.
4. Li, X., & Liu, W., Understanding Spatiotemporal Processes through Multivariate Statistics and Event Exploration. *The 2016 University Consortium for Geographic Information Science (UCGIS) Symposium*, Phoenix, AZ, May 2016.
5. Li, X. and T. Slocum, CyberGIS Curriculum at the University of Kansas, *NSF CyberGIS Curriculum Workshop*, San Francisco, April 2016.
6. Coll, J. and X. Li, Comprehensive Assessment on MODIS Daily Snow Cover Products and Gap-filling Methods, *Association of American Geographers Annual Meeting*, San Francisco, California, March 2016.
7. Coll, J. and X. Li, Global Snow Cover Change Analysis Using Google Earth Engine. *Google Earth Engine Summer Summit*, San Francisco, June 2015.
8. Glaubius, J. and X. Li, Coupled Human and Natural Systems: Testing the Impact of Agricultural Terraces on Landscape Evolution. *Community Surface Dynamics Modeling System Annual Meeting*, Boulder, June 2015.
9. Li, X. and J. Coll, Global Snow Cover Change Analysis Using Google Earth Engine. *China National Snow Mapping Conference*, Nanjing, China, May 2015 (invited).
10. Li, X. and J. Coll, Global Snow Cover Change Analysis Using Google Earth Engine. *Lanzhou University*, Lanzhou, China, May 2015 (invited).
11. Li, X. Change of Snow and Glacier in an Arid Mountain Watershed in Western China. *Johnson County Community College*, Overland Park, Kansas, April 2015 (invited).
12. Glaubius, J. and X. Li, Simulating the Evolution of Terraced Terrain with a Landscape Evolution Model Coupled With an Agent-based Model. *Association of American Geographers Annual Meeting*, Chicago, April 2015.
13. Coll, J. and X. Li, Global Analysis of Snow Cover Trends Using MODIS and Google Earth Engine. *Annual Meeting of American Association of Geographers*, Chicago, April 2015.
14. Coll, J. and X. Li Introduction to Google Earth Engine Workshop. *Annual Meeting of American Association of Geographers*, Chicago, April 2015.
15. Liu, W. and X. Li, A Spatiotemporal Graph Model for Rainfall Event Identification and Representation. *Annual Meeting of American Association of Geographers*, Tampa, Florida, April 2014.

16. Slocum, T. and X. Li, Teaching mapping and analysis in the cloud. *The Second International Conference on CyberGIS and GeoDesign*, Redlands, California, August 2014.
17. Li, X., Change of Snow and Glacier in the Tizinafu Watershed in Western Kunlun Mountains. *CGIS Global Food for Thought*, University of Kansas, Lawrence, Kansas, April 2014 (invited).
18. W. Liu and X. Li, Event identification, representation, and exploration in hydrometrological spatiotemporal data, *University Consortium for Geographic Information Science (UCGIS) Symposium*, George Mason University, Fairfax, VA, May 2013.
19. Li, X., J. She, L. Usery, J. Simley, Web-based Network Neighborhood Analyst for the NHD, *AWRA Spring Specialty Conference-GIS and Water Resources VII*, New Orleans, Louisiana, March 2012
20. Li, X., Comparison of GIS-based sea level rise inundation delineation methods, *Annual Meeting of American Association of Geographers*, Seattle, April 2011.
21. Li, X., Map algebra and event-based precipitation data analysis, *LREIS*, Chinese Academy of Sciences, Beijing, China, November 2010.
22. Li, X., GIS and its applications in water resources management, *Nanjing University*, Nanjing, China, June 2010.
23. Li, X., GIS and its applications in water resources management, *Zhenzhou University*, Zhengzhou, China, June 2010.
24. Li, X., Impacts from sea level rises, *Zhongshan University*, Guangzhou, China, June 2010.
25. Tucker, D. and X. Li., Warm season precipitating storms in the southern great plains, *AAG GPRM meeting*, Lawrence, October 2010.
26. Li, X., Delineating potentially inundated areas from sea level rise with tiled DEMs, *Annual Meeting of American Association of Geographers*, Washington D.C., April 2010.
27. Bentlage, B., A.T. Peterson, X. Li, A.G. Collins, and P. Cartwright, Biogeography of open ocean jellyfishes: integrating ecological niche modeling and phylogeography in a 3D environment, *The 10th International Congress of Ecology (INTECOL)*, Brisbane, Australia, August 2009.
28. Li, X., Snow-/glacier-melt water in southern Xinjiang, China, *Conference of the opening of western China: problems and prospects*, University of Kansas, Lawrence, April 2009 (invited).
29. Li, X. and D. Tucker, Precipitation events—their spatio-temporal characteristics and movement, *Annual Meeting of American Association of Geographers*, Las Vegas, March 2009.
30. Tucker, D. and X. Li, Climatology of warm season precipitating storms in the southern Great Plains, *AMS Annual Meeting*, Phoenix, January 2009.
31. Tucker, D. and X. Li, Distribution of Warm Season Precipitating Storms in the Southern Great Plains, *AGU Fall Meeting*, San Francisco, December 2008.

32. Li, X., Snowmelt runoff modeling in the Yarkant river basin, *International Workshop of Glaciers in Watershed and Global Hydrology*, Obergurgl, Austria, September 2007.
33. Li, X., GIS Tools for Visualizing and Analyzing the NEXRAD Precipitation Data, *Annual Meeting of American Association of Geographers*, Boston, April 2007.
34. Li, X., R.J. Rowley, J.C. Kostelnick, D. Braaten, J. Meisel, and K Hulbutta, GIS Analysis of Global Inundation Impacts from Sea Level Rise, *Annual Meeting of American Association of Geographers*, San Francisco, March 2006.
35. Li, X., Creating buffers on topographic surfaces, *Annual Meeting of American Association of Geographers*, Denver, March 2005.
36. Li, X., Wind Farm Siting Using GIS in Western North Carolina, *ASPRS Annual Meeting*, Denver, May 2004.
37. Li, X., Viewshed Characterization for Wind Farm Siting in Western North Carolina, *Twenty-fourth annual ESRI international user conference*, San Diego, August 2004.
38. Li, X., Integrating Analytic Hierarchy Process with GIS through the COM technology, *ASPRS Annual Meeting*, Washington D.C., April 2002.
39. Li, X., Data model and operations for vector fields, *The First International Conference on Geographic Information Science*, Savannah, October 2000.
40. Hodgson, M. and X. Li, Shortest path considering the direction of movement, *ASPRS Annual Meeting*, Portland, May 1999.
41. Hodgson, M. and X. Li, Sensitivity analysis on feature extraction algorithm, *ASPRS Annual Meeting*, Tampa, April 1998.
42. Carbone, G., R. Lloyd, R. Bunch, and Li, X., Comparison of different interpolation techniques with monthly precipitation data, *Annual Meeting of American Association of Geographers*, Boston, March 1998.
43. Li, X., Digital road map for vehicle navigation, *International Symposium of Geoinformatics'95 Hong Kong: RS, GIS and GPS in sustainable development and environmental monitoring*, Hong Kong, May 1995.

## Research Grants

1. Snow/glacier-melt runoff processes and climate change impacts in arid mountain watersheds, **Co-PI**, Chinese Academy of Sciences, \$300,000, 01/01/2011-06/31/2016.
2. Trend of snow and ice cover in mountainous areas, **PI**, Google Inc., \$42,000, 09/01/2014-08/31/2015.
3. CyberGIS Fellowship, **Co-PI**, NSF, \$7,400, 09/2014 – 05/2015.
4. Geospatial analysis Web services for The National Map, **PI**, USGS, \$63,413, 1/2/2011-6/30/2011.
5. Sea level rise effects on coastal ecosystem distributions and biodiversity status in the U.S. Middle Atlantic region, **PI**, US Department of Energy, \$125,000, 07/01/09 – 10/31/11.



6. NSF Science and Technology Center: Center for Remote Sensing of Ice Sheets, **Participating Faculty**, NSF, \$19,000,000, 08/01/2005--07/31/2015.
7. IGERT: C-CHANGE: Climate Change, Humans, and Nature in the Global Environment, **Participating Faculty**, NSF, \$3,200,000, 2008 - 2013.
8. Geographic and cartographic assistance to the Geneva International Centre for Humanitarian Demining, **Co-PI**, Geneva International Centre for Humanitarian Demining, \$80,000, 3/15/09-12/31/09.
9. Snowmelt runoff modeling in the Sierra-Nevada watersheds, **PI**, University of Kansas Faculty General Research Fund, \$7409, 07/01/2008—06/30/2009.
10. Developing NEXRAD-based precipitation datasets for the Cheney Lake watershed for use in water quality models, **PI**, US Department of Agriculture, \$19,685, 05/01/2007 – 01/31/2008.
11. Conservation Evaluation and Assessment Project for the Cheney Reservoir Watershed, **PI**, US Department of Agriculture, \$18,000, 09/01/2005 – 05/31/2006.
12. Understanding snow and glacier runoff processes in an arid mountain watershed, **PI**, University of Kansas Faculty General Research Fund, \$4,438, 07/01/2005—06/30/2006.
13. Developing a GIS Extension for Lake Water Quality Model BATHTUB, **PI**, US Environment Protection Agency, \$15,000, 06/01/2004—12/31/2004.
14. Multi-resolution representation and analysis of vector GIS data, **PI**, University of Kansas New Faculty General Research Fund, \$7,964, 07/01/2003 – 06/30/2004.

## Graduate Committees

### *Committees Chaired:*

1. Jim Coll (Ph.D. geography)
2. David Weekly (Ph.D. geography)
3. Jen Glaubius (Ph.D. geography, Co-Chair)
4. C. J. Grady (M.S. geography)
5. Regina Thomas (M.S. geography)
6. Weibo Liu (Ph.D. geography, graduated in summer 2016)
7. Shuhua Zhang (Ph.D. geography, CAS, graduate in May 2016)
8. Jim Coll (M.S. environmental sciences, graduate in May 2016)
9. Congjian Sun (Ph.D. geography, CAS, graduated in 2015)
10. Bing Shen (M.S. geography, CAS, graduated in 2015)
11. Keith French (M.S. geography, graduated in 2015)
12. Yufang Zhang (M.S. geography, Nanjing University, graduated in 2014)
13. Kyle Purdon (M.S. geography, graduated in 2014)
14. Tom Overly (M.A. geography, graduated in 2010)
15. Tingting Xu (M.A. geography, graduated in 2009)

16. Matt Harman (M.A. geography, graduated in 2005)

*Ph.D. Committees as a Member:*

Xiang Zhang (Ph.D. geography), Travis White (Ph.D. geography), Kevin Dobbs (Ph.D. geography), Josh Campbell (Ph.D. geography), Geoffrey Demarest (Ph.D. geography), Eunmok Lee (Ph.D. geography), Vijay Barve (Ph.D. geography) Erin Soupe (Ph.D. geology), Corinne Emanuelle (Ph.D. geology), Kin Onn (Ph.D. EEB), Lindsay Campbell (Ph.D. EEB), David McLeod (Ph.D. EEB), Carl Oliveros (Ph.D. EEB), Bartley Anthony (Ph.D. EEB), Lisa Rausch (Ph.D. geography), Lynnette Dornak (Ph.D. geography), Willy Rittase (Ph.D. geology), Curtis Congreve (Ph.D. geology), Richard Styron (Ph.D. geology), Bastian Bentlage (Ph.D. EEB), Andrea Romero (Ph.D. EEB), Jeet Sukumaran (Ph.D. EEB), Arpi S. Nyari (Ph.D. EEB), Sarah Bodbyl (Ph.D. EEB), Iwake Masialleti (Ph.D. geography), Matt Dunbar (Ph.D. geography), Yoshi Nakazawa (Ph.D. geography), Monica Papes (Ph.D. EEB), Dhirgham Alobaydi (Ph.D. Architecture)

*Masters Committees as a Member:*

Misty Porter (M.S. geology), Timothy Carl Bents (M.S. geography), Boyu Feng (M.S. geography), Cheng Zhong (M.A. geography), Adam Shanko (M.A. geography), Ryan Callihan (M.A. Geography), Eric Zautner (M.A. geography), Cody Jones (M.S. Geography-ATMO), Elisabeth Callen (M.S. ATMO), Kyle Wamser (M.A. geography), Eric Weber (M.A. geography), Chris Bishop (M.A. geography), Amber Reynolds (M.A. geography), Andrew Gottsfield (M.A. anthropology), Rohith Kumar Gali (M.E. KSU), Simeon Rabbani (M.A. geography), Matt Dunbar (M.A. geography), Joshua Campbell (M.A. geography), Monica Papes (M.S. EEB), Rex Rowley (M.A. geography), Patrick Taylor (M.A. geography)

*Supervisor of Visiting Students and Scholars:*

Haixing Li, visiting Ph.D. student, Nanjing University, China, 2013-2014  
Hongfu Zhang, visiting Ph.D. student, Nanjing University, China, 2009-2011  
Shaohua Wu, visiting Ph.D. student, Nanjing University, China, 2007-2009  
Weijun Zhang, visiting scholar, Chang'an University, China, 2015-2016  
Chengpeng Liu, visiting scholar, Central China Normal University, China, 2013-2014  
Jiangfeng She, visiting scholar, Nanjing University, China, 2011-2012  
Zhihui Tian, visiting scholar, Zhengzhou University, China, 2009-2010

## **Services**

*Department, College, and University Service*

College Committee on Undergraduate Studies and Advising (CUSA), Member (August 2015 - May 2018)  
Graduate GIS Certificate Program, Committee Chair (Spring 2016 - Present)  
Undergraduate GIS Certificate Program, Committee Chair (Spring 2016 - Present)  
New faculty mentor (Fall 2015 – Spring 2016)  
Chair of Undergraduate Affairs Committee (2014 - Present)  
Chair of GIS Faculty Search Committee (August 2014 - May 2015)  
KU Chapter of the Gamma Theta Upsilon International Geographic Honor Society, Faculty Advisor (2015 - Present)  
KU GIS Day Event Committee, Faculty Advisor (2005 – present)  
Curriculum Committee, Member (2008 - 2015)  
Internship Coordinator, Coordinator. (2006 - Present)  
Cartography Lab Review Committee, Member (January 2014 - November 2014)  
Chair of Professional Science Master's (PSM) at Edwards (August 2013 - July 2014)  
University Graduate Council, 2006-2008  
Department Faculty Search Committee, 2007-2008  
Department Faculty Affairs Committee, 2006-2008  
University Standing Committee on Scholarship and Fellowship, 2006-2007  
Department Undergraduate Studies Committee, 2005-2006  
Department KU Edwards GIS degree-completion program Committee, 2004-2005  
University Chinese Student Association Faculty Advisor, 2004-2005  
Department Graduate Studies Committee, 2003-2005,  
Department Instructional Technology Funds Committee, 2003-2005  
Department Geography-Urban Planning Joint MA Degree Committee, 2003

#### *National Service*

2016 Nominee of the Board of Directors, University Consortium for Geographic Information Science (UCGIS)  
Member of the Education Committee, University Consortium for Geographic Information Science (UCGIS) (2013-present)  
KU delegate to the UCGIS (2013-present)  
Member of the Advisory Council of the Department of Geography, Northwest Missouri State University, 2006-2007.  
GIS course evaluation for the Geosciences and Urban Planning departments at the University of Missouri, Kansas City, 2008

#### *Journal and Grant Reviewer*

Panelist for the NSF Water Sustainability and Climate Program in 2012  
Panelist for the Department of Defense Strategic Environmental Research and Development Program (SERDP) in 2014

International Journal of Geographic Information Science; Geomatica; Cartography and GIS; Environmental Modeling and Software; Physical Geography; The Professional Geographer; Applied Geography; Journal of Hydrology; Hydrological Processes; Water Resources Management; Wetlands; Quaternary International, Theory and Applied Climatology, EcoHydrology, the Condor of Ornithological Applications, Chapter in the book Integrating Scale in Remote Sensing and GIS.

## **Courses Taught**

1. Principles of Geographic Information Systems (GIS)
2. Intermediate GIS
3. Computer Programming for Mapping and Spatial Analysis
4. GIS Application Development
5. Advanced Geographic Information Science
6. GIS in Water Resources
7. Physical Geography
8. Remote Sensing Digital Image Processing

## **Professional Affiliations**

Association of American Geographers (AAG)  
American Geophysical Union (AGU)