

# Diansheng Guo

Associate Professor

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## EDUCATION

- 2003 Ph.D., Department of Geography, Pennsylvania State University, USA  
1999 M.S., Institute of Geographical Sciences, Chinese Academy of Sciences, China  
1996 B.S., Department of Urban and Environmental Sciences, Peking University, China

## POSITIONS

- 2009— Associate Professor, Department of Geography, University of South Carolina  
2004—2009 Assistant Professor, Department of Geography, University of South Carolina  
2003—2004 Postdoc, GeoVISTA Center, Dept. of Geography, Pennsylvania State University  
1999—2003 Research Assistant, GeoVISTA Center, Department of Geography,  
Pennsylvania State University

## TEACHING

- 2009 GEOG 863: Seminar—Advanced GIS  
2005—2008 GEOG 763: Seminar—Geographic Information Systems (GIS)  
2008—2009 GEOG 731: Seminar—Quantitative Analysis in Geography  
2004—2005 GEOG 554: Spatial Programming  
2006—2009 GEOG 363: Introduction to Geographic Information Systems (GIS)  
2004—2006 GEOG 141: The Earth From Above

## AWARDS & HONORS

- 2009, June Service Award, International Association of Chinese Professionals in  
Geographic Information Sciences (CPGIS)  
2008, Jan. National Science Foundation (NSF) CAREER Award  
2007, Oct. Semifinalist, NSF Science & Engineering Visualization Challenge  
(Top 10 entries in the Information Graphics category)  
2005, Aug. First Prize, IEEE Information Visualization Contest  
2004, Oct. Intergraph-UCGIS Young Scholar Award  
2003, June Paper Award, UCGIS Summer Assembly  
2002, June First Place, poster competition, UCGIS Summer Assembly  
2002, April E. William Miller Award, Dept. of Geography, Pennsylvania State University  
1999, Sept. Presidential Award, Excellent Master Thesis, Chinese Academy of Sciences  
1996—1997 Graduate Student Fellowship, Chinese Academy of Sciences  
1992—1995 University Scholarship, Peking University

## RESEARCH GRANTS

- 2008-2013 Principal Investigator, “Extracting and Understanding Complex Patterns in Spatial Interactions—A Computational-Visual Framework”, National Science Foundation (NSF) CAREER Award, \$406,350
- 2005-2006 Principal Investigator, “Geo-Visual and Analytical Analysis of Cancer Data”, a subcontract from Pennsylvania State University to the University of South Carolina, funded by the National Institute of Health (NIH), \$10,000
- 2005-2006 Principal Investigator, “Discovering Patterns of Terrorism Incidents Across Time, Geography, and Multivariate Space”, funded by the Walker Institute of International and Area Studies, in conjunction with the Office of the Vice President for Research, University of South Carolina, \$4000
- 2005-2008 Co-PI, Center of Excellence for the Study of Terrorism and Responses to Terrorism (START), Department of Homeland Security. USC Research Team: W. Piegorsch, J. Rose, A. Bowman, M. Tompkins, D. Cowen, M. Hodgson, M. deCastro, D. Guo, and F. Hardisty, \$1,000,000.

## JOURNAL PUBLICATIONS (\* denotes advisee)

- 2010 **Guo, D.** (2010) “Local Entropy Map: A Non-Parametric Approach to Discover Spatially Varying Bivariate Relationships”. International Journal of Geographical Information Science. (In Press)
- 2009 **Guo, D.** (2009) "Flow Mapping and Multivariate Visualization of Large Spatial Interaction Data", IEEE Transactions on Visualization and Computer Graphics, **15**(6), pp. 1041-1048.
- 2009 **Guo, D.** and J. Mennis (2009) “Spatial data mining and geographic knowledge discovery-An introduction”. Computers, Environment and Urban Systems, **33**(6), pp. 403-408.
- 2008 Liao, K.\*, **D. Guo** (2008) "A Clustering-Based Approach to a Capacitated Facility Location Problem". Transactions in GIS. **12**(3), pp. 323–339.
- 2008 **Guo, D.** (2008) "Regionalization with Dynamically Constrained Agglomerative Clustering and Partitioning (REDCAP)". International Journal of Geographical Information Science. **22**(7), pp. 801-823.
- 2008 Chen, J., A.M. MacEachren, and **D. Guo** (2008) "Supporting the Process of Exploring and Interpreting Space-Time, Multivariate Patterns: The Visual Inquiry Toolkit ". Cartography and Geographic Information Science, **35**(1), pp. 33-50.
- 2007 **Guo, D.** (2007) "Visual Analytics of Spatial Interaction Patterns for Pandemic Decision Support". International Journal of Geographical Information Science, Special Issue on Visualization, Analytics & Spatial Decision Support. **21**(8), pp. 859-877.
- 2007 **Guo, D.**, K. Liao\*, M. Morgan\* (2007) “Visualizing Patterns in a Global Terrorism Incident Database”, Environment and Planning B: Planning and Design. **34**, pp. 767-784.
- 2006 **Guo, D.** and M. Gahegan (2006) “Spatial Ordering and Encoding for Geographic Data Mining and Visualization”, Journal of Intelligent Information Systems, **27**(3), pp. 243-266

- 2006 **Guo, D.**, J. Chen, A. M. MacEachren, and K. Liao (2006) “A Visualization System for Spatio-Temporal and Multivariate Patterns (VIS-STAMP)”, IEEE Transactions on Visualization and Computer Graphics, **12**(6), pp. 1461-1474.
- 2005 **Guo, D.**, M. Gahegan, A.M. MacEachren, and B. Zhou (2005) “Multivariate Analysis and Geovisualization with an Integrated Geographic Knowledge Discovery Approach”. Cartography and Geographic Information Science, 32(2), pp. 113-132.
- 2003 **Guo, D.** (2003) “Coordinating Computational and Visualization Approaches for Interactive Feature Selection and Multivariate Clustering”. Information Visualization, 2(4): 232-246.
- 2003 **Guo, D.**, D. Peuquet and M. Gahegan (2003) “ICEAGE: Interactive Clustering and Exploration of Large and High-dimensional Geodata”. GeoInformatica, 7(3): pp. 229-253.

### BOOK CHAPTERS

- 2009 **Guo D.** (2009) “Multivariate Spatial Clustering and Geovisualization”. In *Geographic Data Mining and Knowledge Discovery (second edition)*, edited by H.J. Miller and J. Han, Taylor & Francis, pp. 325-345.
- 2010 Agouris, P., A. Croitoru, **D. Guo**, A. Stefanidis, F. Wang & D. Wong. (2010). “Geospatial Data Analysis and Information Extraction”. In *Advanced GeoInformation Science*, edited by C. Yang, D. W. Wong, Q. Miao & R. Yang. Springer. (In Press)
- 2010 **Guo D.** “Spatial Data Mining”, *Encyclopedia of Geography*, SAGE Publications. (In Press)
- 2010 **Guo D.** “Geocoding”, *Encyclopedia of Geography*, SAGE Publications. (In Press)

### PEER-REVIEWED CONFERENCE PUBLICATIONS

- 2009 **Guo, D.** (2009) “Greedy Optimization for Contiguity Constrained Hierarchical Clustering”. In Proceedings - IEEE International Conference on Data Mining Workshops, pp. 217-222, IEEE Press.
- 2009 Jin, H.\* and **D. Guo** (2009). “Understanding Climate Change Patterns with Multivariate Geovisualization”. In Proceedings - IEEE International Conference on Data Mining Workshops, pp. 217-222, IEEE Press.
- 2008 **Guo, D.** (2008) “Multi-scale Flow Mapping of Large Spatial Interaction Data”, International Conference on Geographic Information Science (GIScience 2008), Park City, Utah. September 23-26.
- 2006 **Guo, D.** (2006) “Spatio-Temporal Visual Analytics for Pandemic Response and Decision Support”, Workshop on Visual Analytics & Spatial Decision Support, Münster, Germany. September 20.
- 2006 **Guo, D.** (2006) “Local Entropy Map: A Nonparametric Approach to Measure Spatially Varying Bivariate Relationships”, The Fourth International Conference on Geographic Information Science (GIScience 2006), Münster, Germany. September 20-23.
- 2006 **Guo, D.** (2006) “Mining and Visualizing Spatial Interaction Patterns for Pandemic Response”, Workshop on Spatial Data Mining, SIAM Conference on

- Data Mining, Bethesda, MD, USA. April 22.
- 2005 Chen, J., **Guo, D.**, and A. MacEachren (2005) “Space-Time-Attribute Analysis and Visualization of U.S. Company Data”. IEEE Symposium on Information Visualization (InfoVis 2005), Compendium Volume, Minneapolis, MN, Oct. 23-25. (2pp. on CD)
- 2004 **Guo, D.**, M. Gahegan, and A. MacEachren. “An Integrated Environment for High-Dimensional Geographic Data Mining”, The Third International Conference on Geographic Information Science, Adelphi, MD, USA, pp. 107-110.
- 2004 Ola, A., **D. Guo**, and J. Macgill. “Exploration of Semantic Uncertainty in Parameterized Land Use/Land Cover Classifications”, The Third International Conference on Geographic Information Science, Adelphi, MD, USA, pp. 5-8.
- 2003 **Guo, D.**, M. Gahegan, D. Peuquet and A. MacEachren. “Breaking Down Dimensionality: An Effective Feature Selection Method for High-dimensional Clustering”. The Third SIAM (Society for Industrial and Applied Mathematics) International Conference on Data Mining, Workshop on Clustering High Dimensional Data and its Applications, San Francisco, CA, pp. 29-42.
- 2003 MacEachren, A.M., X. Dai, F. Hardisty, **D. Guo** and G. Lengerich. “Exploring High-D Spaces with Multiform Matrices and Small Multiples”. IEEE Symposium on Information Visualization, Seattle, WA, pp. 31-38.
- 2003 **Guo, D.** “A Geographic Visual Query Composer (GVQC) for Accessing Federal Databases”. Proceeding, dg.o.2003, National Conference for Digital Government Research, Boston, MA, pp. 397-400.
- 2002 **Guo, D.**, D. Peuquet and M. Gahegan. “Opening the Black Box: Interactive Hierarchical Clustering for Multivariate Spatial Patterns”. The 10th ACM International Symposium on Advances in Geographic Information Systems, McLean, VA, pp. 131-136.
- 2002 Steiner, E., A. MacEachren and **D. Guo**. “Developing and Assessing Light-weight Data-driven Exploratory Geovisualization Tools for the Web”. Advances in Spatial Data Handling, Proceedings of the 10th International Symposium on Spatial Data Handling, ed. D. E. Richardson and P. v. Oosterom, Springer: pp. 487-500.
- 2002 **Guo, D.**, D. Peuquet, M. Gahegan and A. MacEachren. “Interactive Subspace Clustering for Mining High-Dimensional Spatial Patterns”. The Second International Conference on Geographic Information Science, Boulder, CO, pp. 60-63.
- 2001 MacEachren, A., F. Hardisty, M. Gahegan, M. Wheeler, X. Dai, **D. Guo** and M. Takatsuka. “Supporting Visual Integration and Analysis of Geospatially-referenced Statistics Through Web-deployable, Cross-platform Tools”. Proceeding, dg.o.2001, National Conference for Digital Government Research, Los Angeles, CA, pp.17-24.
- 2000 Peuquet, D. and **D. Guo**. “Mining Spatial Data Using An Interactive Rule-based Approach”. The First International Conference on Geographic Information Science, Savannah, GA , pp. 152-153.
- 2000 Mennis, J., D. Peuquet and **D. Guo**. “A Semantic GIS Database Model for the Exploration Of Spatio-Temporal Environmental Data”. The 4th International

Conference on Integrating GIS and Environmental Modeling (GIS/EM4): Problems, Prospects, and Research Needs, Banff, Alberta, Canada. Paper available at <http://www.colorado.edu/research/cires/banff/pubpapers/197>

- 1999 Zhang, J., **D. Guo** and Q. Wan. "Geospatial Data Mining and Knowledge Discovery using Decision Tree Algorithm-A Case Study of Soil Data Set of Yellow River Delta (YRD)". Geoinformatics'99, Ann Arbor, MI.
- 1999 Wan, Q., C. Zhou and **D. Guo**. "Web-Based Distributed Collaborative Spatial Decision-Making System". Towards Digital Earth—Proceedings of the International Symposium on Digital Earth. Beijing, Science Press.
- 1998 Zhang, J. and D. Guo. "A Preliminary Study on Geographical Data Sharing by WebGIS". Geoinformatics'98, Beijing.

### GUEST EDITORS

- 2009 **Guo D.** and J. Mennis, "Spatial Data Mining: Methods and Applications", A special issue of Computers, Environment and Urban Systems, **33**(6).

### BOOK REVIEWS

- 2005 **Guo D.** "GIS: A Computing Perspective" (Second Edition) by Michael F. Worboys and Matt Duckham", Transactions in GIS, 9 (4): 632-634.

### WORKSHOP PARTICIPANTION

- 2010 GeoVA(t) - Geospatial Visual Analytics: Focus on Time, Workshop held in conjunction with AGILE, May 10-11 2010 (Guimarães, Portugal).
- 2010 National Science Foundation TeraGrid Workshop on Cyber-GIS, February 2-3, 2010 (Washington, DC).
- 2009 Capturing Context: A Conference on Bridging Spatial & Network Analyses, June 12-13th, 2009 (Columbia University, New York, NY)
- 2008 DoD/DHS Workshop on Social Science Modeling and Information Visualization, Sponsored by Department of Defense and Department of Homeland Security, January 23-25, 2008 (Arlington, VA).
- 2005 NISS/SAMSI Workshop on Collaborations in the Mathematical Geosciences, Sponsored by NSF, October 6-7, 2005 (Research Triangle Park, NC).
- 2003 UCGIS Workshop on Geospatial Visualization and Knowledge Discovery, sponsored by the Advanced Research and Development Activity (ARDA) and the United States Geological Survey (USGS)., November 18 – 20, 2003 (Landsdowne, VA).

### PRESENTATIONS

- 2010 "A Graph-based Approach to Vehicle Trajectory Analysis", GeoVA(t) - Geospatial Visual Analytics: Focus on Time, May 10-11 2010, Guimarães, Portugal.
- 2010 "A Non-Parametric Approach to Detecting Local Multivariate Relationship", 106th AAG Annual Meeting, April 14-18, 2010, Washington, DC.
- 2009 "Greedy Optimization for Contiguity Constrained Hierarchical Clustering". IEEE

- International Conference on Data Mining, Miami, FL, USA. December 6-9.
- 2009 “Visual Analytics for Exploring Large Spatial Interaction Networks”, The 105th Annual Meeting, Association of American Geographers, Las Vegas, NV, March 22-27.
- 2008 “Multi-scale Flow Mapping of Large Spatial Interaction Data”, International Conference on Geographic Information Science (GIScience 2008), Park City, Utah. September 23-26.
- 2008 “REDCAP—A Toolkit for Multivariate Visualization and Regionalization”, The 104th Annual Meeting, Association of American Geographers, Boston, BA, April 15-19.
- 2008 “Visualizing Complex Spatial Interactions and Networks”, DoD/DHS Workshop on Social Science Modeling and Information Visualization, Arlington, VA, January 23-25.
- 2007 “Regionalization with Spatially Constrained Multivariate Clustering: Methodologies and Applications”, The 103rd Annual Meeting, Association of American Geographers, San Francisco, CA, April 17-21.
- 2006 “Spatio-Temporal Visual Analytics for Pandemic Response and Decision Support”, Workshop on Visual Analytics & Spatial Decision Support, Münster, Germany. September 20.
- 2006 “Local Entropy Map: A Nonparametric Approach to Measure Spatially Varying Bivariate Relationships”, The Fourth International Conference on Geographic Information Science (GIScience 2006), Münster, Germany. September 20-23.
- 2006 “Visual Analytics for Space-Time and Multivariate Patterns: Methodologies and Applications”, State Key Lab of Resources and Environmental Information System (LREIS), Chinese Academy of Sciences, June 2, Beijing, China.
- 2006 “Spatial Ordering for Geographic Data Mining and Visualization”, National Cancer Institute (NCI), U.S. National Institutes of Health (NIH), April 19, Rockville, MD.
- 2006 “Mining and Visualizing Spatial Interaction Patterns for Pandemic Response”, Workshop on Spatial Data Mining, SIAM Conference on Data Mining, April 22, Bethesda, MD, USA.
- 2006 “On the Ordering Problem in Spatial Data Mining and Geovisualization: Methods and Applications”, The 102nd Annual Meeting, Association of American Geographers, March 7-11, 2006, Chicago, IL.
- 2005 “Measuring Geographically Varying Bivariate Patterns”. Presented the Annual Meeting, Association of American Geographers, April 5-9, 2005, Denver, CO.
- 2005 “Unsupervised Feature Selection for Geovisualization and Spatial Data Mining”. Presented at the Auto Carto 2005, Las Vegas, NV, USA, March 21-23, 2005.
- 2004 “An Integrated Environment for High-Dimensional Geographic Data Mining”. Presented at the *Third International Conference on Geographic Information Science*, October 19-23, Adelphi, MD.
- 2004 “An Integrated Approach to Geographic Knowledge Discovery – Exploring Multivariate Spatial Patterns”. Presented the *100th Annual Meeting, Association*

*of American Geographers*, March, Philadelphia, PA.

- 2003 “Choosing Attributes for Analysis: Effective and Efficient Feature Selection for Exploring High-Dimensional Data”. Presented at the Summer Assembly, University Consortium for Geographic Information Science, June 16-20, Pacific Grove, CA.
- 2003 “A Geographic Visual Query Composer (GVQC) for Accessing Federal Databases”. Presented at the *NSF's National Conference on Digital Government Research*, May 18-21, Boston, MA.
- 2003 “Breaking Down Dimensionality: An Effective Feature Selection Method for High-dimensional Clustering” (first author with M. Gahegan, D. Peuquet and A. MacEachren). Presented at the *Third SIAM International Conference on Data Mining*, May 1-3, San Francisco, CA.
- 2002 “Opening the Black Box: Interactive Hierarchical Clustering for Multivariate Spatial Patterns” (first author with D. Peuquet and M. Gahegan). Presented at the *10th ACM International Symposium on Advances in Geographic Information Systems*, Nov. 8-9, McLean, VA.
- 2003 “Interactive Subspace Clustering for Mining High-Dimensional Spatial Patterns” (first author with D. Peuquet, M. Gahegan and A. MacEachren). Presented at the *Second International Conference on Geographic Information Science*, Sept. 25-28, Boulder, CO.
- 2003 “Developing and Assessing Light-weight Data-driven Exploratory Geovisualization Tools for the Web” (third author with E. Steiner and A. MacEachren). Presented at the *10th International Symposium on Spatial Data Handling*, July 8-12, Ottawa, Canada.
- 2003 “Spatial Cluster Ordering for High-Dimensional Geographic Knowledge Discovery”. Presented at the Summer Assembly, University Consortium for Geographic Information Science (UCGIS), June 27-29, Athens, GA.
- 2003 “Towards A True Human-Machine Collaboration For Spatial Multivariate Clustering”. Presented at the *98th Annual Meeting, Association of American Geographers*, March 19-23, Los Angeles, CA.
- 2001 “Implementation and Comparison of Two Data Models for Managing Climatologic Data with Object-oriented Databases” (first author with D. Peuquet and J. Mennis). Presented at the *97th Annual Meeting, Association of American Geographers*, Feb. 27 – March 3, New York, NY .
- 2000 “Mining Spatial Data Using An Interactive Rule-based Approach” (coauthor with D. Peuquet and J. Mennis). Presented at the *First International Conference on Geographic Information Science*, Oct. 28-31, Savannah, GA.

## **CONFERENCE PROGRAM COMMITTEES**

- 2009 Program Committee Member, International Workshop on Spatial and Spatio-temporal Data Mining (In conjunction with IEEE ICDM), December 6, 2009, Miami, FL, USA.
- 2009 Program Committee Member, Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD-09), Bangkok, Thailand, April 27-30, 2009.
- 2008 Program Committee Member, IEEE International Conference on Data Mining

- (ICDM), Pisa, Italy, December 15-19, 2008.
- 2007 Program Committee Member, International Workshop on Spatial and Spatio-temporal Data Mining (In conjunction with IEEE ICDM), October 28, 2007, Omaha, NE, USA.
- 2007 Program Committee Member, the 5th International Conference on Coordinated & Multiple Views in Exploratory Visualization (CMV06), 2007, Zurich, Switzerland.
- 2006 Program Committee Member, the 4th International Conference on Coordinated & Multiple Views in Exploratory Visualization (CMV06), July 4, 2006, London, UK.
- 2005 Program Committee Member, The 9th International Conference on Information Visualization (IV05), July 6-8, 2005, London, UK
- 2004 Program Committee Member, The 8th International Conference on Information Visualization (IV04), July 14-16, 2004, London, UK

### **CONFERENCE SESSION ORGANIZER**

- 2010 Session Organizer and Chair, “Spatial Data Mining and Exploratory Data Analysis”, 106th AAG Annual Meeting, April 14-18, 2010, Washington, DC.
- 2009 Session Organizer and Chair, “Spatial Data Mining and Exploratory Data Analysis”, 105th AAG Annual Meeting, March 22-27, 2009, Las Vegas, NV.
- 2008 Session Organizer and Chair, “Spatial Data Mining and Exploratory Data Analysis”, 104th AAG Annual Meeting, April 15-19, 2008, Boston, MA.
- 2007 Session Organizer and Chair, “Spatial Data Mining and Exploratory Data Analysis”, 103th AAG Annual Meeting, April 17-21, 2007, San Francisco, CA.
- 2006 Session Organizer and Chair, “Spatial Data Mining and Exploratory Data Analysis”, 102th AAG Annual Meeting, March 7-11, 2006, Chicago, IL.

### **REVIEWER FOR JOURNALS / CONFERENCES / FUNDING AGENCIES**

#### **Funding Agencies:**

National Science Foundation (NSF), Reviewer, Panelist  
 National Institute of Health (NIH), National Cancer Institute (NCI)  
 Research Council for Natural Sciences and Engineering, Academy of Finland

#### **Journals:**

International Journal of Geographical Information Science  
 IEEE Transactions on Knowledge and Data Engineering (TKDE)  
 IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)  
 IEEE Transactions on Visualization and Computer Graphics (TVCG)  
 IEEE Computer Graphics and Applications (CGA)  
 Information Visualization  
 Cartography and Geographic Information Science (CaGIS)  
 Cartographic Journal (published by the British Cartographic Society)  
 GeoInformatica  
 Environment and Planning B  
 Professional Geographer

Computers, Environment and Urban Systems (CEUS)  
GIScience and Remote Sensing  
Urban Studies  
Journal of Photogrammetry and Remote Sensing

**Conferences / Books:**

IEEE Information Visualization Conference (InfoVis)  
IEEE Symposium on Visual Analytics Science and Technology (VAST)  
IEEE International Conference on Data Mining (ICDM)  
Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD-09)  
IV08: Visual Data Mining and Analytics (VDMA)  
International Conference on Information Visualization (IV04, IV05, IV08)  
International Workshop on Spatial and Spatio-Temporal Data Mining  
Coordinated & Multiple Views in Exploratory Visualization  
Book: Self-Organizing Maps: Applications in GIScience

**PROFESSIONAL SOCIETY MEMBERSHIP AND SERVICE**

2009 – Communications Chair, University Consortium of Geographical Information Science (UCGIS)  
2000 – Member, Association of American Geographers (AAG)  
2005 – Member, South East Division of AAG (SEDAAG)  
▪ Serve as the South Carolina State Representative  
2004 – Member, Association for Computing Machinery (ACM)  
2004 – Member, IEEE Computer Society  
2000 – Member, International Association of Chinese Professionals in Geographic Information Sciences (CPGIS)  
▪ Served on the membership committee (2007-2008)  
▪ Served as the Vice President (2008-2009)  
▪ Service Award (2009)

**GRADUATE STUDENT ADVISING**

Chaired Dissertation/Thesis Committees

2008 – present Hai Jin (Ph.D., continuing)  
2008 – present Caglar Koylu (Ph.D., continuing)  
2006 – present Ke Liao (Ph.D., continuing)

Membership on Dissertation/Thesis Committees

2009 – present Stephen Feetham (M.S., continuing)  
2008 – present Chris Burton (Ph.D., continuing)  
2006 – 2009 Michael Morgan (M.S., completed)  
2006 – 2008 Kevin Borden (Ph.D., completed)  
2004 – 2008 Zhongwu Wang (Ph.D., completed)  
2005 – 2008 Mathew Schmittlein (Ph.D., completed)

2004 – 2005	Chris Saylor (M.S., completed)
2005 – 2006	Linna Li (M.S., completed)
2006 – 2008	Clio Andris (M.S., completed)
2006 – 2008	Shoumik Rahman (M.S., Department of Health Sciences, completed)

**DEPARTMENTAL/ UNIVERSITY SERVICE**

2009 – present	Admission Committee, Department of Geography
2009 – present	University Delegate to the University Consortium of Geographical Information Science (UCGIS)
2008 – present	Chair, Computer Policy Committee, Department of Geography
2005 – present	Undergraduate Advisor, Department of Geography
2004 – present	Awards and Scholarships Committee, Department of Geography
2005 – 2007	United Way Ambassador, Department of Geography
2005 – 2007	Graduate Day Judge, University of South Carolina