

## **I. Academic/Professional Background**

**A. Name:** Tzee-Kiu Edwin Chow Title: Assistant Professor

### **B. Educational Background**

*Degree Year University Major Thesis/Dissertation*

Ph. D. 2005 University of South Carolina Geography The Role of Scale in Modeling Hydrologic Response

M.S. 2002 University of South Carolina Geography Sensitivity of Modeled Peak Discharge to LIDAR Post-Spacing and DEM Resolution

B.A. 2000 University of Texas at Austin Geography --

### **C. University Experience**

*Position University Dates*

Assistant Professor Texas State University – San Marcos Aug 2009 – Present

Assistant Professor University of Michigan – Flint Aug 2005 – May 2009

Instructor University of South Carolina Jan 2004 – May 2004

Teaching Assistant University of South Carolina Aug 2004 – May 2005,  
Aug 2002 – Dec 2003

### **D. Relevant Professional Experience**

*Position Entity Dates*

Research Assistant Savannah River Ecological Laboratory Jan 2003 – Dec 2003

Research Assistant Richland County, South Carolina Aug 2000 – May 2002

Software Products Intern Environmental System Research Institute June 2001 – Aug 2001

GIS Analyst City of Austin June 1999 – Aug 1999

### **E. Other Professional Credentials (licensure, certification, etc.)**

## **II. TEACHING**

### **A. Teaching Honors and Awards:**

2010 Favorite Professor Award, Alfred H. Nolle Chapter of Alpha Chi National Honor Scholarship Society (Texas State University - San Marcos).

2008 Distinguished Professor Award Nomination, University of Michigan – Flint.

2008 Golden Apple Recipient, University of Michigan – Flint.

2007 Distinguished Professor Award Nomination, University of Michigan – Flint.

2006 Golden Apple Recipient, University of Michigan – Flint.

### **B. Courses Taught:**

*Course No. Course Title Institution*

GEO 7364 Geocomputation Texas State University – San Marcos

GEO 7390 Independent Study Texas State University – San Marcos

GEO 5419 Geographic Information Systems II Texas State University – San Marcos

GEO 5418/7417 Geographic Information Systems I Texas State University – San Marcos

GEO 5399 Thesis Texas State University – San Marcos

GEO 5301 Multivariate Quantitative Methods Texas State University – San Marcos

GEO 3426 Advance GIS I Texas State University – San Marcos

ENV 100 Introduction to Environmental Science University of Michigan – Flint

ENV 289 Web Mapping University of Michigan – Flint

GEO 203 Introduction to Spatial Analysis University of Michigan – Flint

GEO 331 Geomorphology and Soils University of Michigan – Flint

GEO 372 Biogeography University of Michigan – Flint

GEO 404 Spatial Analysis Seminar University of Michigan – Flint

GEO 498 Research in Geoscience University of Michigan – Flint

GEO 499 Independent Study University of Michigan – Flint

RPL 370 GIS I University of Michigan – Flint  
RPL 371 GIS II University of Michigan – Flint  
RPL 470 GIS Practicum University of Michigan – Flint  
GEOG E363 Introduction to GIS University of South Carolina

**C. Graduate Theses/Dissertations or Exit Committees (if supervisor, please indicate):**

*Role Student Name Degree Status*

Supervisor David Hickman M.S. Spring 2011  
Supervisor Khila Dahal Ph.D. In Progress  
Supervisor Nathaniel Dede-Bamfo Ph.D. In Progress  
Supervisor Michael Swartz M.S. In Progress  
Supervisor Joseph Nicosia M.A.G. In Progress  
Supervisor Nicholas Ferri M.A.G. In Progress  
Supervisor Alex Martinez M.A.G. In Progress  
Committee member David Parr Ph.D. In Progress  
Committee member Yan Lin Ph.D. In Progress  
Committee member P. Chance Kinnison M.S. In Progress  
Committee member Jennifer Knowles M.A.G. Summer 2011

**D. Courses Prepared and Curriculum Development:**

*Course No. Course Title Institution*

GEO 7364 Geocomputation Texas State University – San Marcos  
GEO 5419 GIS II Texas State University – San Marcos  
GEO 404 Spatial Analysis Seminar University of Michigan – Flint  
RPL 470 GIS Practicum University of Michigan – Flint

**E. Funded External Teaching Grants and Contracts:**

**F. Submitted, but not Funded, External Teaching Grants and Contracts:**

**G. Funded Internal Teaching Grants and Contracts:**

*Grant Granting Institution Year Amount*

Course Design Fellowship University of Michigan – Flint 2006 \$3,000  
Faculty Development Pedagogical Grant University of Michigan – Flint 2007 \$1,630

**H. Submitted, but not Funded, Internal Teaching Grants and Contracts:**

**I. Other:**

**III. SCHOLARLY/CREATIVE**

A. Works in Print

1. Books (if not refereed, please indicate)

a. Scholarly Monographs:

b. Textbooks:

c. Edited Books:

d. Chapters in Books:

3) **Chow, T. E.**, In press. "We know who you are and we know where you live": A research agenda of web demographics, Volunteered Geographic Information: New development and applications. Book Series, edited by Sui D., S. Elmwood and M. Goodchild, (Springer).

2) **Chow, T. E.**, 2011. "Geography 2.0 – A Mashup Perspective", Advances in Web-based GIS, Mapping Services and Applications. Vol. of ISPRS Book Series, edited by S. Dragicevic and S. Li, (Taylor & Francis), pp. 15-36.

1) Gaines, K. F., **T. E. Chow**, and S. A. Dyer., 2008. "Exposure and Exposure Assessment", Ecotoxicology. Vol. [2] of Encyclopedia of Ecology, 5 vols., edited by S. E. Jørgensen and B. D. Fath, (Oxford: Elsevier), pp. 1527-1534.

e. Creative Books:

## 2. Articles

### a. Refereed Journal Articles:

[Note: \* indicates a student author]

- 9) Tian\*, N., P. Goovaerts, F. B. Zhan, **T. E. Chow**, and J. G. Wilson, Accepted, Identifying risk factors for disparities in breast cancer mortality among African American and Hispanic women Women's Health Issues, *Women's Health Issues*.
- 8) Wan\*, N., F. B. Zhan, B. Zou and **T. E. Chow**, 2011. Analyzing Potential Spatial Access to Colorectal Cancer Services in Texas Using a Relative Spatial Access Presentation, *Applied Geography*. 32(2): 291-299.
- 7) **Chow, T. E.**, Y. Lin\*, and W. D. Chan. 2011, The Development of a Web-based Demographic Data Extraction Tool for Population Monitoring, *Transactions in GIS*. 15(4): 479-494.
- 6) Slade, R. M. Jr., and **Chow, T. E.**, 2011, Statistical relations of precipitation and stream runoff for El Niño and La Niña periods, Texas Hill Country, *Texas Water Journal*. 2(1): 1-22.
- 5) **Chow, T. E.**, Y. Lin\*, N.T. Huynh, and J. Davis, 2010. Using Web Demographics to Model Population Change of Vietnamese-Americans in Texas between 2000-2009, *GeoJournal*. DOI 10.1007/s10708-010-9390-6.
- 4) **Chow, T. E.**, and Sadler\*, R., 2010. The consensus of local stakeholders and outside experts in suitability modeling for future camp development, *Landscape and Urban Planning*, 94:9-19.
- 3) **Chow, T. E.**, and Hodgson, M.E., 2009. Effects of Lidar post-spacing and DEM resolution to mean slope estimation, *International Journal of Geographic Information Science*. 23(10):1277-1295.
- 2) **Chow, T. E.**, 2008. The potential of Maps APIs for Internet GIS, *Transactions in GIS*. 12(2): 179-191.
- 1) **Chow, T. E.**, K.F. Gaines, M.E. Hodgson, and M.A. Wilson, 2005. Habitat and Exposure Modeling of Raccoon for Ecological Risk Assessment: A Case Study in Savannah River Site, *Ecological Modelling*. 189: 151-167.

### b. Non-refereed Articles:

#### 3. Conference Proceedings

##### a. Refereed Conference Proceedings:

- 2) **Chow, T. E.**, 2011. VGI-enabled 4D GIS, *Invited position papers for Specialist Meeting in Future Direction of Spatial Demography*. (Acceptance rate: 24/78 = 30.7%)  
<http://ncgia.ucsb.edu/projects/spatial-demography/docs/Chow-position.pdf>
- 1) **Chow, T. E.**, 2010. An Assessment of Hydrologic Enforcement Methods on Various Drainage Features, *Proceedings of the Sixth International Conference of Geographic Information Science*.  
[http://www.giscience2010.org/pdfs/paper\\_177.pdf](http://www.giscience2010.org/pdfs/paper_177.pdf)

##### b. Non-refereed:

#### 4. Abstracts:

#### 5. Reports:

- 1) **Chow, T.E.**, 2001. "User Manual of Curve Number Script in Hydrologic Modeling", Stormwater Services in the Department of Public Works, Richland County, South Carolina.

#### 6. Book Reviews:

#### 7. Other:

### B. Works not in Print

#### 1. Papers Presented at Professional Meetings:

- 26) **Chow, T. E.**, 2011. Modeling Fire Growth Simulation in Grassland Ecosystem, *International Conference of Geoinformatics*, June 23-26, Shanghai, China.
- 25) **Chow, T. E.**, and Dede-Bamfo, N., 2011. Characteristics of Geographic Bias in Address Matching, *Annual Meeting of Association of American Geographers*, April 12-17, Seattle, WA.
- 24) **Chow, T. E.**, 2011. Progress Update and Research Agenda of Census 2.0, AAG 2011 *Volunteered Geographic Information Pre-conference*, April 11, 2011, Seattle, WA

- 23) **Chow, T. E.**, 2010. An Assessment of Hydrologic Enforcement Methods on Various Drainage Features, *Sixth International Conference of Geographic Information Science*, September 14-17, Zurich, Switzerland.
- 22) **Chow, T. E.**, N. Heger, X. Meng, J. Jensen and K. Ridenour, 2010. "Sensitivity of Fire Growth Simulation to Lidar-derived Elevation and Fuel Maps", *International Conference of Geoinformatics*, June 18-20, Beijing, China.
- 21) **Chow, T. E.**, 2010. "Census 2.0", *Annual Meeting of Association of American Geographers*, April 14-19, Washington D.C.
- 20) **Chow, T. E.**, 2010. "How Does Hydrologic Enforcement Affect Lidar-derived DEM?", *International Lidar Mapping Forum*, March 3-5, Denver, CO.
- 19) **Chow, T. E.**, and Sadler, R., 2009. "Uncertainty of Expert Knowledge in Suitability Modeling", *Annual Meeting of Association of American Geographers*, March 22-27, Las Vegas, NV.
- 18) **Chow, T. E.**, and Wolverton, M., 2009. "Assessment of Hydrologic Enforcement in Lidar-derived DEM", *Annual Meeting of American Society for Photogrammetry & Remote Sensing*, March 9-13, Baltimore, MD.
- 17) **Chow, T. E.**, and Sadler, R., 2008. "Integration of Expert Knowledge in GIS-based Land Use Suitability Analysis", *Annual Meeting of International Conference of Geographic Information Systems*, July 2-5, Istanbul, Turkey.
- 16) **Chow, T. E.**, and Sadler, R., 2008. "Positional Error Assessment in Spatial Database", *Annual Meeting of American Society for Photogrammetry & Remote Sensing*, April 29- May 2, Portland, OR.
- 15) **Chow, T. E.**, 2008. "Linking GIS to Stormwater Modeling", *Annual Meeting of Association of American Geographers*, April 15-19, Boston, MA.
- 14) **Chow, T. E.**, 2007. "Maps APIs for Internet GIS Applications", *Annual Meeting of Association of American Geographers*, April 17-22, San Francisco, CA.
- 13) **Chow, T. E.**, and Kuptz, R.A., 2006. "Accuracy Assessment of Contour-derived Elevation and Terrain Slope", *Fall Specialty Meeting of American Society for Photogrammetry & Remote Sensing*, November 6-10, San Antonio, TX.
- 12) **Chow, T. E.**, 2006. "Scale Dependence of Rainfall-Runoff Model", *Annual Meeting of Association of American Geographers*, March 7-11, Chicago, IL.
- 11) **Chow, T. E.**, 2005. "A Geospatial Tools for Stormwater Modeling and Management", *Annual Meeting of AWRA*, November 7-10, Seattle, WA.
- 10) Gaines, K.F., **Chow, T. E.**, M.A. Wilson, and M. E. Hodgson, 2005. "A spatially explicit exposure model to estimate contaminant exposure in wildlife", *The Wildlife Society Twelfth Annual Conference*, Sept. 25-29, Madison, WI.
- 9) **Chow, T. E.**, 2005. "The Effect of Scale in Modeling Hydrologic Response", *Young Scholar Summit of International Association of Chinese Professional of Geographic Information System*, June 24- July 4, Nanchang and Wuhan, China.
- 8) **Chow, T. E.**, and Hodgson, M.E., 2005. "A Sensitivity Analysis of Post-spacing and Lidar-Derived DEM on Various Stormwater Modeling Approaches", *Annual Meeting of American Society for Photogrammetry & Remote Sensing*, March 7-11, Baltimore, MA.
- 7) **Chow, T. E.**, K.F. Gaines, M.E. Hodgson, and M.D. Wilson, 2004. "Habitat and Exposure Modeling for Ecological Risk Assessment", *Annual Meeting of American Society for Photogrammetry & Remote Sensing*, May 23-28, Denver, CO.
- 6) **Chow, T. E.**, and M.E. Hodgson, 2004. "Scale Effect on Mean Slope Estimation with Airborne Laser Scanning", *Annual Meeting of Association of American Geographers*, March 14-19, Philadelphia, PA.

- 5) **Chow, T. E.**, and M.E. Hodgson, 2003. "Effects of Lidar Post-spacing and DEM Cell Size on Slope Estimation for Hydrologic Modeling", *Poster Presentation at Annual Meeting of American Society for Photogrammetry & Remote Sensing*, May 5-8, Anchorage, AK.
  - 4) **Chow, T. E.**, C.M. Anchor, M.E. Hodgson, and P. Bresnahan, 2002. "Stormwater Modeling in Richland County, South Carolina", *Environmental System Research Institute (ESRI) International Users Conference*, July 8-12, San Diego, CA.
  - 3) **Chow, T. E.**, M.E. Hodgson, C.M. Anchor, and P. Bresnahan, 2002. "A Sensitivity Analysis of Modeled Peak Flow from Varying DEM Spatial Resolutions", *Annual Meeting of American Society for Photogrammetry & Remote Sensing*, April 19-26, Washington D.C.
  - 2) **Chow, T. E.**, M.E. Hodgson, C.M. Anchor, and P. Bresnahan, 2002. "A Web-Based Geographic Information System Application for Hydrology", *Annual Meeting of Association of American Geographers*, March 19-23, Los Angeles, CA.
  - 1) **Chow, T. E.**, 2001. "Cholera Modeling in Peru 1991", *Poster Presentation at the Summer Assembly of University Consortium of Geographic Information Science*, June 20-24, Buffalo, NY.
2. Invited Talks, Lectures, and Presentations:
- 18) **Chow, T. E.**, 2010. "Applications and Uncertainties of Lidar-derived Digital Elevation Model", Institute of Space and Earth Information Science, Chinese University of Hong Kong, July 5.
  - 17) **Chow, T. E.**, 2010. "What Does the Web have to Do with Counting?", Summer Summit, Statistical Research Division – U.S. Census Bureau, Washington, D.C., May 27.
  - 16) **Chow, T. E.**, 2009. "What Does Geography 2.0 Mean to Geographers?", GIScience Brown Bag Talk in Department of Geography, Texas State University – San Marcos, October 23.
  - 15) **Chow, T. E.**, 2008. "Unknown Unknowns in Geographic Information Science", Department of Geography, Texas State University – San Marcos, December 5.
  - 14) **Chow, T. E.**, 2008. University of Michigan – Flint, Department of Public Administration, Flint, MI.
  - 13) **Chow, T. E.**, 2008. "Global Positioning System", Grand Blanc Community Schools, 3<sup>rd</sup> and 4<sup>th</sup> graders, Fenton, MI.
  - 12) **Chow, T. E.**, 2007. University of Michigan – Flint, Department of Public Administration, Flint, MI.
  - 11) **Chow, T. E.**, 2006. University of Michigan – Flint, Department of Public Administration, Flint, MI.
  - 10) **Chow, T. E.**, 2005. Nanchang Normal University, Young Scholar Summit of the International Association of Chinese Professional of Geographic Information System, Nanchang, China.
  - 9) **Chow, T. E.**, 2005. University of Michigan – Flint, Department of Earth and Resource Science, Flint, MI.
  - 8) **Chow, T. E.**, 2005. Central Michigan University, Department of Geography, Mount Pleasant, MI.
  - 7) **Chow, T. E.**, 2005. University of Texas - Dallas, Department of Geology, Dallas, TX.
  - 6) **Chow, T. E.**, 2004. University of South Carolina, Department of Civil Engineering, Columbia, SC.
  - 5) **Chow, T. E.**, 2004. University of Southern Mississippi, Department of Geography, Hattiesburg, MS.
  - 4) **Chow, T. E.**, 2004. Mississippi State University, Department of Geoscience, Hattiesburg, MS.
  - 3) **Chow, T. E.**, 2004. University of Denver, Department of Geography, Denver, CO.
  - 2) J.R. Jensen, J.A. Tullis, B.C. Hadley, **Chow, T. E.**, 2004. NASA, Earth Science Enterprise (ESE), Stennis Space Center, MS.
  - 1) **Chow, T. E.**, 2003. University of South Carolina, Department of Mathematics, Columbia, SC.
3. Consultancies:
- Chow, T. E.**, 2006. University Outreach, University of Michigan – Flint, Interactive Mapping.  
<http://www.geneseelandnetwork.org/sprawl/map/>

#### 4. Workshops:

#### 5. Other:

Advisor, Hickman, D. T., 2010. Assessing urban walkability: a suitability model rating ease of travel with limited reliance upon personal automobile travel in Austin, Texas, 2<sup>nd</sup> Place Winner, *Applied Geography Conference 2010*. <http://applied.geog.kent.edu/Winners2010.htm>

Advisor, Sadler, R., 2007. Using suitability analysis to evaluate suitable conservation areas and future development at Camp Tapico, Meeting of Minds Undergraduate Research Conference XV - *Journal of Undergraduate Research*. 9: 286-292.

#### 6. Works in Preparation:

Hickman\*, D., and **Chow, T. E.**, In revision, Development of a composite model of quality of life: a case study in Austin, Texas. Submitted to *Landscape and Urban Planning*.

**Chow, T. E.**, M.E. Meadows, and M.E. Hodgson, In review, GIS-based Synthetic Unit Hydrograph for Stormwater Modeling, Submitted to *Environmental Modeling and Software*.

**Chow, T. E.**, N. Dede-Bamfo, and K.R. Dahal, A comparative assessment of eight geocoding methods for residential addresses, In preparation of submission to *International Journal of Geographic Information Science*.

Duarte, A.\*, D. M. Wolcott, **T. E. Chow**, and M. A. Ricca, Identifying and prioritizing recovery sites for the endangered Aleutian shield fern, In preparation of submission to *Journal of Fish and Wildlife Management*.

Hodgson, M.E., and **Chow, T. E.**, Comparison of Interpolation Methods for Mapping Surface Slope From Airborne Lidar Data, In preparation of submission to *Remote Sensing of Environment*.

#### C. Grants and Contracts

##### 1. Funded External Grants and Contracts:

[ Note: Chow was the sole Principle Investigator (PI) unless otherwise noted]

2010 Geography Education Material Development – American Association of Geographers (AAG) Companion Multimedia Educational Website for “Understanding the Changing Planet”, AAG (PI: N. T. Huynh; Co-PIs: T. E. Chow, J. Jensen and O. Muniz), \$17,000 (2010-2011).

2010 “What Does the Web Has to Do with Census?”, U.S. Bureau of the Census, \$1,000 (2010-2011).

##### 2. Submitted, but not Funded, External Grants and Contracts:

2011 “Characterization of fuel parameters and ember transport mechanisms for grassland fire spread modeling”, Joint Fire Science Program (JFSP).

2011 “Using clapper rails as an indicator species of estuarine marsh health: a model organism for high and low level organic chemical contamination”, Gulf of Mexico Research Initiative.

2011 “A remote sensing SDSS for monitoring land-sea environment”, Gulf of Mexico Research Initiative.

2011 “Census 2.0 – A Web-based Survey to Supplement U.S. Census”, National Science Foundation (NSF) – Social, Behavioral & Economic Sciences: Geography and Spatial Science.

2010 “Census 2.0 – An Innovative Supplementary Survey to the Decennial Census”, U.S. National Science Foundation (NSF) – Social, Behavioral & Economic Sciences: Geography and Spatial Science.

2008 “Acquisition of Hardware/Software for Research in Error Propagation?”, U.S. National Science Foundation (NSF) – Earth Science: Instrumentation and Facilities.

##### 3. Funded Internal Grants and Contracts:

[ Note: Chow was the sole Principle Investigator (PI) unless otherwise noted]

2008 “Putting UM-Flint onto the Map?”, Research and Creative Activity Award: Phase II Funding, University of Michigan – Flint, \$500.

2008 “Putting UM-Flint onto the Map?”, Research and Creative Activity Award, University of Michigan – Flint, \$8,895.

2008 Faculty International Travel Awards, University of Michigan – Flint, \$2,000.  
2007 “Towards Creating a Digital UM-Flint”, Research and Creative Activity Award, University of Michigan – Flint. \$12,245.  
2006 “Accuracy Assessment of Contour-derived Elevation and Terrain Slope”, Research and Creative Activity Award, University of Michigan – Flint, \$18,533.  
4. Submitted, but not Funded, Internal Grants and Contracts:  
2010 “Accuracy and Sensitivity of Fire Growth Simulation in Central Texas”, Research Enhancement Program of Texas State University – San Marcos.  
2009 “Census 2.0 – a Supplementary Survey to Decennial Census” Research Enhancement Program of Texas State University – San Marcos.  
5. Submitted (Pending) Internal/External Grants and Contracts:  
[ Note: Chow was the sole Principle Investigator (PI) unless otherwise noted]  
2011 “Census 2.0 – A cost-effective approach to complementing Census data”, National Science Foundation (NSF) – Social, Behavioral & Economic Sciences: Geography and Spatial Science. (PI: T. E. Chow, Co-PI: J. M. Davis and A. H. H. Ngu).  
D. Fellowships, Awards, Honors:  
2005 Travel Grant, Chinese Professional in Geographic Information Systems, \$800.  
2003 Honorable mention of Lovingood Award, University of South Carolina.

#### **IV. SERVICE**

##### A. University:

Winter 2008 Member, Scholarships, Awards, and Special Events Committee, University of Michigan – Flint.

2006 Member, Extended Learning and Service Committee, University of Michigan – Flint.

##### B. Departmental:

2011-2012 Member, Physical Geographer Search Committee, Texas State University – San Marcos.

2011-Present Faculty Advisor, Robby’s Ride around the World, Texas State University – San Marcos.

2010-Present Faculty Advisor, Society of Geographic Information Science (SOGIS), Texas State University – San Marcos.

2011-Present Member, Presidential Upper Level Scholarship Committee, Texas State University – San Marcos.

2010-Present Member, Scholarships/Awards Committee, Texas State University – San Marcos.

2009-Present Member, Web Site Committee, Texas State University – San Marcos.

2009-2010 Member, Undergraduate Committee, Texas State University – San Marcos.

##### C. Community:

Feb 6, 2008 Host, “Improving Michigan’s Access to Geographic Information Networks (IMAGIN) Emerging Technologies Seminar - Lidar”, University of Michigan – Flint.

##### D. Professional:

[Note: number of review is in parenthesis]

*Reviewer in Grant Proposal*

National Science Foundation 2009, 2010

*Reviewer in Peer-reviewed Journal*

Geographic Information Science and Remote Sensing 2011

Journal of Environmental Management 2006

Journal of Hazards Material 2008

Natural Hazards Review 2007

International Journal of Geographic Information Science 2008 (2), 2010, 2011

International Journal of Remote Sensing 2009

Journal of Applied Geography 2009

Cartography and Geographic Information Science 2010

International Journal of Information Technology & Decision Making 2010

*Reviewer in Peer-reviewed Book Chapter*

Chapter 22 “The role of VGI as a compilation tool for building and maintaining map databases used in navigation and location applications” in Springer Book Series Volume on “Volunteered Geographic Information: New development and applications” 2011

Chapter 5 “Advanced Web-based GIS technologies for public health” in ISPRS Book Series Volume on “Advances in Web-based GIS, Mapping Services and Applications” 2009

Chapter 12 “A geospatial Web application to map observations and opinions in environmental planning” in ISPRS Book Series Volume on “Advances in Web-based GIS, Mapping Services and Applications” 2009

E. Organizations

1. Honorary:

2. Professional:

*Member of*

Association of American Geographers (AAG)

American Society of Photogrammetry and Remote Sensing (ASPRS)

Chinese Professional in Geographic Information Systems (CPGIS)

Chair of CPGIS Newsletter Committee 2012-2013