

JONATHAN K. NELSON, PhD

Spring 2026

Department of Geography
University of Wisconsin-Madison

jknelson3@wisc.edu
geography.wisc.edu/gis/

AREAS OF SPECIALIZATION

I am an educator and researcher in geographic information science & technology, specializing in cartography, geovisual analytics, and human-centered design with applications in environmental science, energy, fitness & health, politics, socioeconomics, transportation, and urban planning. My motivation as a scholar is to contribute to bridging the analytical divide between experts in spatial data science and individuals not trained in the discipline but who seek to understand and make informed decisions based on spatial data.

POSITIONS

2023- **Director, GIS Professional Programs**
Department of Geography, University of Wisconsin-Madison

2022- **Assistant Professor of Geographic Information Science & Technology**
Department of Geography, University of Wisconsin-Madison

2022-2023 **Associate Director, GIS Professional Programs**
Department of Geography, University of Wisconsin-Madison

2021-2022 **Director, Center for Environmental Informatics**
Earth and Environmental Systems Institute, Penn State University

2020-2022 **Assistant Research Professor**
Department of Geography, Penn State University

2018-2020 **Geographic Information Scientist**
Asset Management Bureau, Vermont Agency of Transportation

2015-2018 **User Experience (UX) Designer**
Strava Metro

2014-2015 **Trainee in Big Data Social Science**
NSF IGERT, Penn State University

2013-2014 **Cartographer**
Gould Center, Department of Geography, Penn State University

2012-2013 **Cartographer**
National Geographic Society

2011-2012 **GIS Technician**
Earth Data Analysis Center, University of New Mexico

EDUCATION

2019 **Ph.D., Geography** (with minor in Social Data Analytics)
Penn State University
Dissertation: *Role of Cartography, Design & Visualization in Making Personal Movement Data More Accessible, Legible, Valuable*

2015	M.S., Geography <i>Penn State University</i> Thesis: <i>Characterizing relationships between data aggregation and spatial scale: exploratory analysis of the Modifiable Areal Unit Problem</i>
2012	B.S., Geography <i>University of New Mexico</i> Honors Thesis: <i>Jim Crow Alive and Well in U.S. Marijuana Law Enforcement</i>

GRANTS & FUNDED RESEARCH PROJECTS

2025-2027	Wilson, P. (PI), Graffy, E.A. (Co-PI), Brossard, D. (Co-PI), Lindley, B. (Co-PI), Meier, P. (Co-PI), & Nelson, J.K. (Co-PI). "Wisconsin Nuclear Siting Study" <i>Public Service Commission of Wisconsin</i> . (\$1,500,000)
2024-2027	Williams, J.W. (PI), Goring, S.J. (Co-PI), & Nelson, J.K. (Co-PI). "Collaborative Research: Strengthening Global Biodiversity Research by Building Informatics Capacity for Ancient Environmental DNA." <i>National Science Foundation</i> . (Award #2332567: \$923,098)
2024-2027	Williams, J.W. (PI), Goring, S.J. (Co-PI), & Nelson, J.K. (Co-PI). "Collaborative Research: Sustained Resources: Neotoma: Advancing Earth Science Contributions to Global Change Research via Growth of Well-Curated Open Paleodata." <i>National Science Foundation</i> . (Award #2410961: \$1,054,276)
2024-2025	Nelson, J.K. (PI). "Leveraging Maps and Personal Data Visualization to Advance Understanding of Human-Pet-Environment Interactions." <i>UW-Madison Department of Geography Blaicher Research Fellowship</i> . (\$47,121)
2024-2025	Nelson, J.K. (PI). "Raster-to-Vector Heat Maps: Multiscale Visualization Approach to Mapping and Interacting with Big Geospatial Data." <i>Wisconsin Alumni Research Foundation</i> . (\$47,121)
2020-2024	Nelson, J.K. (PI), Stryker, M. (Co-PI), & Miller, D. (Former PI). "Collaborative Research: Neotoma Paleoecology Database, a Multi-Proxy, International, Community-Curated Data Resource for Global Change Research." <i>National Science Foundation</i> . (Award #1948229: \$197,225)
2022-2023	Imhoff, K. (PI), DeWolf, E., Nelson, J.K. (Co-PI), Crawford, S. (Co-PI), & Person, A. (Co-PI). "Continued Deployment of Prediction Models for Fusarium Head Blight." <i>U.S. Wheat & Barley Scab Initiative</i> . (Award #FY22-MG-005: \$61,438)
2020-2023	Nelson, J.K. (PI), Bills, B. (Co-PI), Miller, D. (Former PI), & Graham, R. (Former PI). "Collaborative Research: Neotoma Paleoecology Database, Community-led Cyberinfrastructure for Global Change Research." <i>National Science Foundation</i> . (Award #1550755: \$305,320)
2020-2022	Muth, A. (PI), Nelson, J.K. (Co-PI), & Stryker, M. (Co-PI). "Stewardship Mapping for PA Forest Landowners." <i>Pennsylvania Department of Conservation and Natural Resources</i> . (\$31,508)

* student conducting research under my supervision

REFEREED JOURNAL ARTICLES

- **Nelson, J.K.** (2025). Difference Mapping Approach to Detecting the Cartographic Effects of the Modifiable Areal Unit Problem. *KN-Journal of Cartography and Geographic Information*, 1-20.
- Chen, Y.*, **Nelson, J.K.**, Zhou, B., Zhou, R.Z., Ye, S., Liu, H., Gu, Z., Kar, A., Kwon, H., Chen, P., Sun, M. & Kang, Y. (2025). Where are GIScience faculty hired from? Analyzing faculty

mobility and research themes through hiring networks. *Cartography and Geographic Information Science*, 1-25.

- **Nelson, J.K.**, Blois, J., Goring, S.J., Williams, J.W. & Dominguez, S. (2024). "User-centered design and evaluation of the Neotoma paleoecology open software ecosystem." *International Journal of Digital Earth*, 17 (1).
- **Nelson, J.K.** (2023). "Cartography & geovisual analytics in personal contexts: designing for the data creator." *International Journal of Cartography*, 9 (2): 210-230.
- Lacey, L. M.* & **Nelson, J.K.** (2023). "Using geovisual analytics to enrich conservation science: a review of interactive visualization of wildlife and environmental spatial data across ecosystems." *International Journal of Cartography*, 9 (2): 286-318.
- Wilson, D., Alshaabi, T., Van Oort, C.M., Zhang, X., **Nelson, J.K.** & Wshah, S. (2022). "Object Tracking and Geo-Localization from Street Images." *Remote Sensing* 14 (11): 25-75.
- **Nelson, J.K.** & MacEachren, A.M. (2020). "User-centered Design and Evaluation of a Geovisualization Application Leveraging Aggregated Quantified-Self Data." *Cartographic Perspectives* 96 (1): 7-31.
- Almutairy, F., Alshaabi, T., **Nelson, J.K.** & Wshah, S. (2019). "ARTS: Automotive Repository of Traffic Signs for the United States." *IEEE Transactions on Intelligent Transportation Systems* 22 (1): 457-465.
- **Nelson, J.K.** & Shih, P.C. (2017). "CompanionViz: Mediated platform for gauging canine health and enhancing human–pet interactions." *International Journal of Human-Computer Studies* 98 (1): 169-178.
- **Nelson, J.K.** & Brewer, C.A. (2017). "Evaluating data stability in aggregation structures across spatial scales: revisiting the modifiable areal unit problem." *Cartography and Geographic Information Science* 44 (1): 35-50.
- **Nelson, J.K.**, Quinn, S., Swedberg, B., Chu, W. & MacEachren, A.M. (2015). "Geovisual Analytics Approach to Exploring Public Political Discourse in Twitter." *ISPRS International Journal of Geo Information* 4 (1): 337-366.
- Robinson, A.C. & **Nelson, J.K.** (2015). "Evaluating Maps in a Massive Open Online Course." *Cartographic Perspectives* 80 (1): 6-17.

REFEREED CONFERENCE & WORKSHOP PROCEEDINGS

- Chen, Y.*, **Nelson, J.K.** & Kang, Y. (2025). "From PhD to Professor: Global Faculty Placement Trends in GIScience." In *Abstracts of the 32nd International Cartographic Conference*. Vancouver, BC, August 18-22.
- Hipps, A.L.* & **Nelson, J.K.** (2025). "Framework for Understanding Elements of Map Trust." In *Proceedings of the 32nd International Cartographic Conference*. Vancouver, BC, August 18-22.
- **Nelson, J.K.**, Limpisathian, P.W. & Roth, R.E. (2024). "Developing a Robust Cartography Curriculum to Train the Professional Cartographer." *EduVis: Workshop on Visualization Education, Literacy, and Activities, IEEE VIS 2024*. Florida, USA, October 13-18.
- **Nelson, J.K.** (2023). "Visualizing Scalar Effects of Urban Data Aggregation." *CityVis: 5th Workshop on Urban Data Visualization, IEEE VIS 2023*. Melbourne, Vic, October 22-27.
- **Nelson, J.K.** (2019). "Cartography of the Quantified-Self: making sense of large-scale bicycling behavior patterns in urban planning contexts." *CityVis: 2nd Workshop on Urban Data Visualization, IEEE VIS 2019*. Vancouver, BC, October 20-25.

- **Nelson, J.K.** & Robinson, A.C. (2015). "Understanding Map Design in the Context of a Massive Open Online Course in Cartography." *27th International Cartographic Conference*. Rio de Janeiro, Brazil, August 23-28.
- **Nelson, J.K.** (2014). "Characterizing relationships between data aggregation and spatial scale: exploratory analysis of the Modifiable Areal Unit Problem." *Eighth International Conference on Geographic Information Science*. Vienna, Austria, September 23-26.

REFEREED BOOK CHAPTERS

- **Nelson, J.K.** (2024). "Vector-to-Raster and Raster-to-Vector Conversions." *The Geographic Information Science & Technology Body of Knowledge*, John P. Wilson (Ed.) (invited)

TECHNICAL WHITE PAPERS

- Saveliev, A., MacEachren, A.M., Pezanowski, S., Karimzadeh, M., Luo, W., **Nelson, J.K.** & Robinson, A.C. (2014). Report on *New Methods for Representing and Interacting with Qualitative Geographic Information, Stage 2: Task Group 4 Message-Focused Use Case*. Report to U.S. Army Engineer Research and Development Center (ERDC) Geospatial Research Laboratory. GeoVISTA Center, Penn State.

PRESENTATIONS & POSTERS

- **Nelson, J.K.** (2024). "[a cartographer's life] is but a dream design squiggle." Invited guest presentation for *Geography 421: Map Design & Geovisualization*. University of New Mexico Department of Geography. Virtual, November 13.
- Chen, Y.* (presenter) & **Nelson, J.K.** (2024). "Raster-to-Vector Heat Maps: Multiscale Visualization Approach to Mapping and Interacting with Big Geospatial Data." Presentation for *Annual Meeting of the North American Cartographic Information Society*. Tacoma, WA, October 16-19.
- **Nelson, J.K.** (2023). "Visualizing Scalar Effects of Urban Data Aggregation." Poster for *IEEE VIS 2023*. Melbourne, Vic, October 22-27.
- Goring, S.J. (presenter), Dominguez, S., Blois, J.L., Crawford, S., **Nelson, J.K.** & Williams, J.W. (2023). "Neotoma's Adventures in Cloudbank: Cloud Transitions to Support Data Infrastructure." Poster for *Annual Meeting of the Geologic Society of America*. Pittsburgh, PA, October 13-15.
- Williams, J.W. (presenter), Blois, J.L., Booth, R.K., Charles, D.F., Davis, E., Dominguez, S., Franklin, H., Goring, S., Heathcote, A., Hobbs, J.R., Ivory, S., Mckay, N.P., **Nelson, J.K.**, Pilaar Birch, S.E., Smith, A. & Thomas, E. (2023). "Recent updates to the Neotoma Paleoecology Database: data volumes, proxy types, and science-supporting services." Poster for *Annual Meeting of the Geologic Society of America*. Pittsburgh, PA, October 13-15.
- Dominguez, S. (presenter), Goring, S.J., Williams, J.W., Blois, J.L., **Nelson, J.K.** & Crawford, S. (2023). "Establishing FAIR Data Resources as Key Elements in Data Science Approaches." Presentation for *XXI Inqua Congress 2023*. Rome, Italy, July 13-20.
- **Nelson, J.K.** (2023). "NeotomaDB Usability/Utility Assessment: where we're at & directions for future development." Presentation for *Neotoma All Hands Workshop 2023*. Virtual, April 17-21.
- **Nelson, J.K.** (co-presenter) & George, A. (co-presenter) (2023). "Neotoma Explorer and Range Mapper: Interactive Maps as Tools for Paleo Community Building and Data Discovery." Invited Presentation for *UW-Madison's 2023 Research Bazaar*. Madison, WI, February 22-23.

- Dominguez, S. (presenter), **Nelson, J.K.**, Goring, S.J., Blois, J.L., Clyne, J., Crawford, S. & Williams, J.W. (2022). "Interactive Computational Modules for Reproducible Research Training." Presentation for *American Geophysical Union Fall Meeting 2022*. Chicago, IL, December 12-16.
- Goring, S.J. (presenter), Dominguez, S., Blois, J.L., Crawford, S., **Nelson, J.K.**, Thomer, A. & Williams, J.W. (2022). "Advancing Interdisciplinary Global Change Science Through Linked Research Services in the Neotoma Paleoecology Database." Presentation for *American Geophysical Union Fall Meeting 2022*. Chicago, IL, December 12-16.
- **Nelson, J.K.** (2019). "Cartography of the Quantified-Self: making sense of large-scale bicycling behavior patterns." Poster for *IEEE VIS 2019*. Vancouver, BC, October 20-25.
- **Nelson, J.K.** (co-presenter) & Devaney, B. (co-presenter) (2016). "Innovative Technology: Improving Bicycling, Walking and Transit." Panel Presentation for *2016 Moving Together Conference*. Boston, MA, September 29.
- **Nelson, J.K.** (2015). "Mapping Local Spatial Fitness with Strava." Presentation for *Annual Meeting of the North American Cartographic Information Society*. Minneapolis, MN, October 13-17.
- **Nelson, J.K.** (presenter), Quinn, S., Swedberg, B., Chu, W., Houchen, M., Bodnar, T. & MacEachren, A.M. (2015). "SPoTvis: Geovisualization Tool for Exploring Spatial Patterns in Public Political Discourse." Poster for *BDSS /GERT Research Poster Session*. Penn State University, State College, PA, April 10.
- **Nelson, J.K.** (presenter), Quinn, S., Swedberg, B., Chu, W., Houchen, M., Bodnar, T. & MacEachren, A.M. (2014). "SPoTvis: A Geovisual Analytics Tool for Discovering Multi-Scale Spatial Patterns in Tweets Surrounding the 2013 US Government Shutdown." Presentation for *Annual Meeting of the North American Cartographic Information Society*. Pittsburgh, PA, October 8-11.
- **Nelson J.K.** (2014). "2014 Tour de France Wall Map." Poster for *Annual Meeting of the North American Cartographic Information Society*. Pittsburgh, PA, October 8-11.
- **Nelson, J.K.** (presenter) & Brewer, C.A. (2014). "Exploring Across-Scale Relationships in Spatially Aggregated Data: Informing the Modifiable Areal Unit Problem." Poster for *Annual Meeting of the North American Cartographic Information Society*. Pittsburgh, PA, October 8-11.

PUBLISHED MAPS & SOFTWARE

- **Nelson, J. K.**, Anderson, M., Bills, B., Stryker, M., Crawford, S., Blois, J., Goring, S.J. & Williams, J.W. (2023). "NeotomaDB Explorer v1.2.0." Available at: <https://apps.neotomadb.org/explorer>.
- **Nelson, J.K.** (2013). "Seattle Citywide Skatepark Plan." In: *Making Urban Politics Go Away: The role of legally mandated planning processes in occluding city-level power* (Dr. J.N. Carr). Invited, peer reviewed book chapter for *Urban Politics: Critical Approaches*. Sage.
- **Nelson, J.K.**, Gibbons, D., Ibinson, J. & Wardley, R. (2013). "Appalachian Trail." National Geographic Maps. Washington, D.C.
- **Nelson, J.K.** (2013). "Plate Tectonics" (p. 44); "Continental Drift" (p. 54); "A Typical Trek" (p.62-63); "Life and Death on Everest" (p. 205). In: *The Call of Everest* (Conrad Anker). National Geographic Society. Washington, D.C.
- **Nelson, J.K.**, Gibbons, D., Ibinson, J. & Wardley, R. (2013). "Texas Hill Country Destination Map Guide." National Geographic Maps. Washington, D.C.

- **Nelson, J.K.** (2012). "Reconstructing Amelia Earhart's Flightpath." In: *National Geographic Magazine: Exploring History*. National Geographic Magazine Collector's Edition Winter 2012. Washington, D.C.
- **Nelson, J.K.** (2012). "Oaxaca, Mexico." In: *Revealing Artifacts: Archaeological Replicas, Art, and Cultural Production in Oaxaca, Mexico* (Dr. R.L. Brulotte). University of Texas Press. Austin, TX.
- **Nelson, J.K.** (2011). "Map of the World, Circa 2525." In: *Mutant Hunter: Legends of the Fallout* (Stephen R. Cox).

MEDIA COVERAGE

- Online GIS Degrees: Meet the Expert, **OEP**, September 23, 2024, [Link](#).
- Friendlier Maps for Complex Geospatial Data, **UW-Madison L&S News**, May 11, 2023, [Link](#).

TEACHING

* implements significant changes to an existing course
 ** indicates new course development

Instructor of Record

2022- *Department of Geography, University of Wisconsin-Madison*
Geography 575: Interactive Cartography & Geovisualization
Geography 778: Practicum in GIS Development
Geography 970: Seminar in Geovisual Analytics**

2018-2022 *Department of Geography, Penn State University*
Geography 160: Mapping Our Changing World
Geography 467: Applied Cartographic Design*
Geography 486: Cartography & Visualization
Geography 580: Geovisual Analytics**

Teaching Assistant

2013-2014 *Department of Geography, Penn State University*
Geography 123: Geography of the Developing World
Geography 364: Spatial Analysis
 Massive Open Online Course: **Maps and the Geospatial Revolution**

ADVISING

¹ advisor, ² committee member

Research Graduate Programs

- Yanbing Chen¹, MS (2025), PhD (in progress)
- Alton Hipps¹, MS (in progress)
- Nuzhat Tabassum Nawshin², PhD (in progress)
- Yuhang Ji², PhD (2025)

Professional Graduate Programs

- Daniel Arnouk¹, MS (2025)
- Leah Bates¹, MS (2025)
- Yu Fan¹, MS (2025)
- Rawan Hinzman¹, MS (2025)

- David Kimmel¹, MS (2025)
- Zhan Shi¹, MS (2025)
- Lisa Siewert¹, MS (2025)
- Ethan Westerkamp¹, MS (2025)
- Devin Carlson¹, MS (2025)
- Alison Case¹, MS (2025)
- Jacob Dipaolo¹, MS (2025)
- Maya Edstrom¹, MS (2025)
- Morgan Grundy¹, MS (2025)
- Aaron Leair¹, MS (2025)
- Lindsay McClintock¹, MS (2025)
- Virginia Robenski¹, MS (2025)
- Katherine Soltys¹, MS (2025)
- Steven Sykes¹, MS (2025)
- Joey William¹, MS (2025)
- Karen Witsell¹, MS (2025)
- Dave Babson¹, MS (2024)
- Ryan Mroczenki¹, MS (2024)
- Andrew Sirota¹, MS (2024)
- Michael Adduci¹, MS (2023)
- Trever Bruhn¹, MS (2023)
- Cherie Bryant¹, MS (2023)
- Luke Chamberlain¹, MS (2023)
- Kuang-Cheng Cheng¹, MS (2023)
- Michael Connolly¹, MS (2023)
- Alejandro Gomez¹, MS (2023)
- Max Guo¹, MS (2023)
- Mingrui Huang¹, MS (2023)
- Mallory Johnson¹, MS (2023)
- Jeffrey Kalar¹, MS (2023)
- Aspen Neville¹, MS (2023)
- Nimita Shery¹, MS (2023)
- Nyla Thursday¹, MS (2023)
- Andrew Winchell¹, MS (2023)
- Danielle Wyenberg¹, MS (2023)
- Aileen Clarke¹, MS (2022)
- John Deloretta¹, MS (2022)
- Daniel Easter¹, MS (2022)
- Kray Freestone¹, MS (2022)
- Benjamin Gryska¹, MS (2022)
- Michael Hasinoff¹, MS (2022)
- Joseph Inskeep¹, MS (2022)
- Jenna Johnson¹, MS (2022)
- David Kwong¹, MS (2022)
- Gengkui Liu¹, MS (2022)
- Thomas MacAvoy², MGIS (2022)
- Patrick McPartlan¹, MS (2022)
- Mark Rednour², MGIS (2022)
- Joseph Rosnow¹, MS (2022)
- Eli Samuelson¹, MS (2022)
- Alissa Stark¹, MS (2022)

Directed Studies Projects

- Ramakrishna Raju (2023)
- Sid Ramavajjala (2023)

UW-Madison Undergraduate Research Scholars Program

- Rachael Sowinski (in progress)
- Makinnley Tomberlin (in progress)

SERVICE

Conference Committees

- Member, International Scientific Program Committee, 31st International Cartographic Conference (2023)
- Member, International Scientific Program Committee, 4th CityVis Workshop (2022)

Peer Review

- *Annals of the American Association of Geographers*
- *Applied Computing and Geosciences*
- *Boletim de Ciências Geodésicas*
- *Cartography and Geographic Information Science*
- *Computers & Education*
- *Discover Cities*
- *GeoHumanities*
- *Information Visualization*
- *International Journal for Equity in Health*
- *International Journal of Geo-Information*
- *Journal of Geography in Higher Education*
- *Journal of Location Based Services*
- *Journal of Maps*
- *Nature Cities*
- *Political Geography*
- *Review of Regional Research*
- *Springer Nature*
- *Sustainability*
- *The Geography Teacher*
- *The Professional Geographer*

Professional Service

- Project Champion & Sponsor, "Detection and Mapping of Roadside Assets from Roadway Images." Grant awarded to the University of Vermont from the Vermont Agency of Transportation. (2018-2020)
- Project Champion & Sponsor, "Radio Frequency Identification (RFID) Technology for Transportation Signage Management." Grant awarded to the University of Vermont from the Vermont Agency of Transportation. (2018-2020)

University & Department Service

- Chair, UW-Madison GIS Professional Programs Sunset Implementation Committee (2024-)
- Chair, UW-Madison GIS Professional Programs Geography 370 Curriculum Redesign Committee (2024)
- Member, UW-Madison 2024 Geospatial Summit Planning Committee (2024)
- Chair, UW-Madison GISPP Graduate Program Manager Search Committee (2024)
- Chair, UW-Madison GISPP Communications Specialist Search Committee (2023)
- Chair, UW-Madison GIS Professional Programs Geography 572 Curriculum Redesign Committee (2023)
- Chair, UW-Madison GIS Professional Programs Esri User Conference Planning Committee (2023-2024)
- Member, UW-Madison GIS Professional Programs Geography 576 Curriculum Redesign Committee (2022-2023)
- Member, UW-Madison GIS Professional Programs Oversight Committee (2022-)
- Member, UW-Madison Geography Undergraduate Studies Committee (2022-)
- Member, UW-Madison Cartography Lab Creative Director Search Committee (2022)
- Chair, Penn State Online Geospatial Education Website Redesign Committee (2021)

AWARDS

- 2024 UW-Madison Department of Geography Whitbeck Award to support open access publishing fees.
- 2023 UW-Madison Office of the Vice Chancellor for Research (OVCR) International Travel Award to participate in the IEEE VIS Conference, Melbourne, Australia, October 2023.
- 2019 Vermont Agency of Transportation International Travel Award to participate in the IEEE VIS Conference, Vancouver, Canada, October 2019.
- 2015 Penn State Department of Geography E. Willard Miller Award for best cartographic entry.
- 2014-2015 NSF Integrative Graduate Education and Research Traineeship (IGERT) in Social Data Analytics.
- 2014 North American Cartographic Information Society (NACIS) Travel Award to participate in the NACIS Conference, Pittsburgh, Pennsylvania, October 2014.
- 2014 Penn State Department of Geography Gould Center Travel Award to participate in the NACIS Conference, Pittsburgh, Pennsylvania, October 2014.
- 2014 Penn State Department of Geography GeoVISTA Center Travel Award to participate in the GIScience Conference, Vienna, Austria, September 2014.
- 2014 Penn State Department of Geography E. Willard Miller Award for best written entry.

AFFILIATIONS

- Center for Climatic Research, Nelson Institute for Environmental Studies, UW-Madison
- UW Cartography Lab, Department of Geography, UW-Madison

PROFESSIONAL ASSOCIATIONS

- Cartography and Geographic Information Society
- IEEE Computer Society
- North American Cartographic Information Society

“A map is the greatest of all epic poems. Its lines and colors show the realization of great dreams.”

- Gilbert H. Grosvenor