

Elizabeth A. Wentz



Education

- 1997 Doctor of Philosophy, Geography, Pennsylvania State University
- 1989 Master of Arts, Geography, The Ohio State University
- 1987 Bachelor of Science with Honors, Mathematics, The Ohio State University

Summary of Administrative Appointments at Arizona State University

Arizona State University (ASU) is a comprehensive public research university serving over 145,000 students, elected to the Association of American Universities (AAU), and designated a Hispanic Serving Institution (HSI). ASU includes four locations across the state of Arizona, as well as learning locations in Washington DC, Los Angeles, Hawaii, and throughout the world. We are a highly research active university (Carnegie Classification R1) with \$797M in research expenditures in 2022 without a medical school.

- 2020-present Vice Provost and Dean, Graduate College

 Interim Director, School of Geographical Sciences and Urban Planning
 (Concurrent role, 2020-21)
- 2015-2020 Dean of Social Sciences, The College of Liberal Arts and Sciences

 Interim Director, School of Transborder Studies
 (Concurrent role, 2018-19)
- 2014-2019 Associate Director, Institute for Social Science Research
- 2013-2015 Director, School of Geographical Sciences and Urban Planning
- 2010-2013 Associate Director, School of Geographical Sciences and Urban Planning
- 2010 Leadership Fellow, Office of the Provost

Vice Provost and Dean, Graduate College

The Graduate College partners with all academic colleges and student facing units (registrar, financial aid, enrollment services, international student office) across the university to advance the academic and professional success of graduate students and postdoctoral scholars. The Graduate College provides data, tools, and training so that there is equity, transparency, consistency, program quality, and integrity in all programs. ASU enrolls over 28,000 graduate students in more than 450 certificates, master's degrees, and doctoral degrees, offered on campus and online (synchronously and asynchronously).

Selected accomplishments

- Fiscal Management
 - Increased graduate student funding by 23% in FY24
 - Implemented a long-term, sustainable, funding and HR plan
 - Advanced the Graduate College's first office for development and philanthropy
 - Created new funding opportunities for students through partnerships with private foundations (Truman Foundation) and redefined ASU Foundation accounts to increase student support
- Enrollment
 - Graduate student enrollment growth averaging 6% per year
 - Rebranded, funded, and updated policies for Accelerated Master's degrees
 - Designed and implemented the stackable master's degree, Master of Advanced Study
 - Designed and implemented micro-certificates to advance professional certification
 - Co-created the automatic admissions process from ASU undergraduate to master's programs
 - Expanded across ASU a reconsider process for all admissible master's degree applicants
 - Facilitated the creation of professional doctoral degrees
- External Visibility, Brand Enhancement, and Alumni Engagement
 - Leading a state-wide graduate college colloquium (with University of Arizona and Northern Arizona University), 2022 and 2024
 - Creating the *Graduate College Engagement Council*, members include distinguished alumni and key industry partners
 - Spearheaded a strategic vision and plan for the Graduate College that focuses on affinity, 21st century academic programs, enriching student experiences, and resource stewardship
 - Represented the university president at the Washington DC launch of the Hispanic Serving Research Universities (HSRU) Alliance
 - Leading discussions with HSRU Alliance graduate college deans
 - Designed the *With Distinction* award for master's degree recipients, initiated in the Fall 2022
 - Created a system for tagging PhD dissertations with "ASU Design Aspirations." Two-fold anticipated outcomes are: a) students engage more broadly with how their research contributes beyond their area of specialization; b) ASU can track

- contributions to the New American University
 - Monthly contributing author, *The Graduate Insider*, *From The Dean's Desk*, <https://graduate.asu.edu/graduate-insider>
- Academic Enhancement
 - Coordinated academic planning across all colleges for graduate education, including degree offerings in Washington DC, Los Angeles, and Hawaii
 - Creating the “Graduate Connect,” a localized student support effort for online international graduate students
 - Revamping and modernizing graduate student policies and procedures
 - Advanced four new recognition awards for university staff who are supporting graduate students
- Student Excellence and Experiences
 - Partner with the Educational Outreach and Student Services office to enhance student support including working with the Graduate and Professional Student Association to support their goals, with a focus on underrepresented students, graduate stipends, health insurance, and fees
 - Sponsoring dialogs with Black, American Indian, and Latinx students through a student advisory group to increase the quality of student experiences
 - Advancing the Presidential Postdoctoral Fellowship Program and the Presidential Graduate Assistantship for underrepresented students in ASU’s 25 Commitments to Black faculty, students, and staff (called the LIFT initiative)
 - Co-created new professional development programs for graduate students and postdoctoral scholars including Grad15, Career panel discussions, a Town Hall discussion, and a Caregiver Assistance Fund
- Representing the provost’s office in university initiatives
 - ASU Health
 - Dean search co-chair for the School of Technology and Public Health (new school, being launched Fall 2024)
 - Lead for the subcommittee on Student Affairs Implementation Team for ASU School of Medicine and Advanced Engineering
 - Lead for the subcommittee on Admissions, Academic Pathways, & Financial Aid Implementation Team for ASU School of Medicine and Advanced Engineering
 - Lead on the design of the Medical Master’s Institute
 - BioDesign Internal Advisory Board, Member
 - Military Affairs Council – Office of the Provost, Member
 - American Association for the Advancement of Science SEA Change Advisory Group, ASU selected for the Bronze level award
 - Academic Personnel Actions Reporting System Governance Group – overseeing academic faculty annual evaluation policies and processes
 - Higher Learning Commission accreditation member of the steering committee and chair of 3 subcommittees
 - Search committee member:
 - Dean search for the Watts College of Public Programs and Community Service (2021-22)
 - Dean search for Barrett, The Honor’s College (2021-22)

Dean of Social Sciences

The Social Sciences is a division within the College of Liberal Arts and Sciences. The Social Sciences division has 9 academic schools, 14 research centers, 300 faculty, and 9,000 graduate and undergraduate students. As dean, I supported program development, oversaw faculty promotion and tenure and faculty hiring, supported school directors in staffing and their budgets, provided an overall vision for the social sciences, and represented the social sciences across the university and nationally. College-level budget responsibilities, communication, development, staffing, and research advancement were responsibilities led by the Dean of the College and shared with the deans of social sciences, natural sciences, and humanities.

Featured accomplishments

- Led the successful bid as PI to the National Science Foundation for the ASU ADVANCE Institutional Transformation (IT) grant (\$3M over 5 years).

ASU ADVANCE focuses on institution-wide efforts on hiring practices, policies around promotion and tenure, faculty retention, the Academic Program Review and professional development to increase the representation and success of women, African Americans, American Indian, and Latinx in faculty positions. My role as the grant PI was to build a team to implement the cooperative agreement. Tangible results include online professional development training modules, a male ally group, recommendations for modifications to faculty hiring strategies, recommendations on promotion and tenure policies, and the early stages of a faculty personnel data dashboard. The team grew from 7 to 21 individuals.

- Led the effort as PI and Director to build the Knowledge Exchange for Resilience (KER), a Virginia G. Piper Charitable Trust investment into Maricopa County community resilience (\$15M over 6 years).

KER builds community-wide commitment to resilience dividends through a data dashboard, the deliberate creation of community wide networks, and the co-creation of knowledge and solutions with nonprofit, government, and business sector partners. The team includes an Executive Director who oversees the daily operation of 23 staff, 20 Fellows, 7 cross-cutting scholars, and 18 undergraduate and graduate student employees.

- Hired National Academy of Sciences faculty including Gregory Asner to create the Center for Global Discovery and Conservation Science and establish the Global Airborne Observatory
- Improved ASU HERD rankings in the social sciences to #4 in 2018, social sciences moved to #3 in 2023
- Increased philanthropy by facilitating interdisciplinary research and student success; exceeded the ASU Foundation Campaign 2020 goal for the social sciences (\$2M). From

January to June 2020, personal metrics included 28 high impact contacts and 4 closed funded opportunities totaling over \$800K; closed a personal gift and grant at \$15M.

Other notable accomplishments

- Coordinated the hiring of National Academy of Sciences faculty to the social sciences including H. Russell Bernard, Pauline Wiessner, Michael Goodchild, and Gregory Asner.
- Led the dean level letters for more than 80 promotion, tenure, and promotion & tenure cases in the social sciences.
- Co-created a social science vision built on across-school themes: health in the social sciences, global communities, inequality, and advancing methods. Created faculty advisory groups to engage these topics across the schools with faculty cross-talks, poster session, professional development workshops, and featured presentations. Efforts led to multiple cross-school collaborations in research proposals.
- Led the application for ASU membership in the national Social Science Research Council (SSRC) University Fund; brought the American Association of Geographers (AAG) into the SSRC; represented ASU at the University Fund biennial meeting; shared communication of the SSRC with ASU social science faculty.
- Co-created a system of grant support for social science faculty including in-person training programs for NIH and private foundations; grew the number of staff to support faculty in the social sciences to apply for grants.
- Supported the visioning of the Sanford School of Social and Family Dynamics. Rebuilt the sociology focus in the Sanford School after long-term attrition of expert faculty; outcomes resulted in a highly diverse group of assistant professor hires and revising of the bachelor's and graduate sociology degrees.
- Led the university-wide effort for the @SocialSciences external website.
- Hired racially diverse and gender balanced leaders for the social sciences. At the conclusion of my tenure as dean, 8 of the 9 school directors were women and 4 were women of color.
- Fostered university-wide leadership mentoring among aspiring women leaders through a series of Leadership Circle Conversations, co-led with Minu Ipe (2018-2019).
- Increased the gender and racial diversity of the faculty, especially at the assistant professor level, across the social sciences.
- Provided yearly mentoring opportunities for assistant and associate professors.
- PLoS Alliance Fellow (2016 – present) and Fellows' lead (2016 - 2018).

School of Geographical Sciences and Urban Planning

The School of Geographical Sciences in the College of Liberal Arts and Sciences has 3 research centers, 11 degree programs and certificate, 35 faculty, and over 900 graduate and undergraduate students. The school has distinguished faculty including 3 members of the National Academy of Sciences (NAS), 2 Regents' professors, and 1 President's Professor.

Interim Director

I accepted this temporary position when there was a sudden leadership vacancy. Concurrent role while serving as Vice Provost and Dean, Graduate College.

- Co-created visibility in leadership, collaboration, and school accomplishments to the university-wide leadership.
- Co-created a succession plan through the mentoring the potential future school leaders.
- Created professional development opportunities for staff.
- Redesigned the Office of Climatology.
- Launched the MA in Geography online.
- Supported the COVID-19 Community of Care response management team.
- Supported the Justice, Equity, Diversity, Inclusion (JEDI) school-wide committee.
- Hired 3 tenure-eligible faculty, 2 Full Professors, 1 tenure-track, Assistant Professor

Director

- Established the internationally recognized Urban Climate Research Center (UCRC) including acquiring initial investments and a cluster hire of 3 faculty; the UCRC continues to be central to cross-campus engagement (particularly with the School of Sustainability and the Fulton Schools of Engineering) in leading campus-wide urban climate mitigation, management, and adaptation efforts to respond to global climate change.
- Hired Stewart Fotheringham, member of the National Academy of Sciences, as a full-time, tenured faculty.
- Increased school revenue by launching 3 undergraduate online programs in the school that by 2020 had over 800 students generating over \$4.2M in revenue annually for the school.
- Doubled the physical space available to SGSUP faculty through research space and office space in Coor Hall, including wet/dry lab spaces.
- Created a strategic plan to grow the Planning program through hiring of both assistant and full professors and started the process for the eventual successful accreditation of the Masters of Urban and Environmental Planning (MUEP) degree.
- Doubled the annual professional development fund for faculty and staff.
- Promoted faculty success through promotion and tenure processes and successful nominations for 3 university (Regents'), and multiple national and international awards.

Associate Director

- Met regularly with SGSUP leadership to advance degree programs, student success, and plan for faculty hiring. Specifically led efforts to standardize faculty workload agreements and a digital program to track student progress.
- Participated in the Executive Committee (ex officio), under the leadership of Director Luc Anselin.
- Coordinated with the School of Sustainability (SOS) to strength cross-school activities and partnerships, leading to the partnership for the Urban Climate Research Center (UCRC).
- Designed and implemented a digital system for assessing student retention and degree completion.

School of Transborder Studies

The School of Transborder Studies is an interdisciplinary academic unit in the College of Liberal Arts and Sciences with 11 faculty, 3 degree programs, 90 students and the vision to transform knowledge on the US-Mexico transborder region, as well as the Chicano/a/x and Latino/a/x populations across the US.

Interim Director

I accepted this temporary position when there was a sudden leadership vacancy. Concurrent role while serving as Dean of Social Sciences

- Created a staff-wide professional development plan.
- Created new processes for student progress in the School of Transborder PhD program
- Increased funding for the PhD program.
- Created steady revenue for the school, which started at \$30K/year

Institute for Social Science Research

The Institute for Social Science Research (ISSR) is a research support institute in the College of Liberal Arts and Sciences with the mission to advance social science research across the university. Efforts focus on graduate student poster presentations, research incentives through seed grants, training programs, and undergraduate and graduate certificates.

Associate Director

- Co-created the rebranded the ISSR with Director Russ Bernard
- Led and reviewed the bi-annual graduate student poster contest
- Reviewed and recommended funding for seed grant proposals
- Invited selected participants to the ISSR workshop series

Academic Appointments

2012-present	Professor, School of Geographical Sciences and Urban Planning, Arizona State University
2015-present	Affiliate Faculty, School for the Future of Innovation in Society, Arizona State University
2011-2018	Graduate Faculty, School of Sustainability, Arizona State University
2004-2011	Associate Professor, School of Geographical Sciences and Urban Planning, Arizona State University
1997-2003	Assistant Professor, Department of Geography, Arizona State University
1993-1997	Teaching Assistant, Research Assistant, and Instructor, Department of Geography, Pennsylvania State University
1991-1992	Associate in Research, Organization for Tropical Studies (OTS), Duke University
1989-1991	Research Associate, Department of Natural Resources Science, The University of Rhode Island
1988-1989	Research Assistant, Department of Geography, The Ohio State University
1986-1988	College Intern, the Ohio Department of Natural Resources

Professional Honors and Awards

- 2022 125th Anniversary Fellow, College of Earth and Mineral Sciences, Pennsylvania State University
- 2022 Carolyn Merry Mentoring Award, University Consortium for Geographic Information Science (UCGIS)
- 2020 Fellow of the American Association of Geographers (AAG)
- 2019 ASU's Faculty Women's Association for Outstanding Faculty Mentor Award
- 2017 Outstanding Doctoral Mentoring Award, Graduate College, Arizona State University
- 2015 - 2016 Academy for Innovative Higher Education Leadership, Cohort 2
- 2015 Waldo Tobler Lecture for the Geographic Information Systems and Science Specialty Group of the Association of American Geographers
- 2013 ASU's Faculty Women's Association for Outstanding Faculty Mentors Award (nominated)
- 2012 ASU's Faculty Women's Association for Outstanding Faculty Mentors Award (nominated)
- 2010 Leaders Fellow, Office of the Provost, Arizona State University
- 2000 Faculty sponsor, College of Liberal Arts and Sciences, Brian Gratton, Professor of History
- 1997 Student Paper Award, Auto-Carto 13
Student Paper Award, Association of American Geographers Geographic Information Systems Specialty Group
- 1994 - 1995 Graduate Research Fellowship, Earth Systems Science Center, The Pennsylvania State University
- 1994 Student Paper Award, Association of American Geographers Geographic Information Systems Specialty Group
- 1993 Student Travel Award, National Center for Geographical Information and Analysis, GIS and Environmental Modeling Conference
- 1988 Student Travel Award, National Research Council, GIS in Geoscience

Funded Research Proposals

- 2022-2024 AGEP ACA to Engage leaders to Improve Diversity Among STEM Faculty Mala Htun (lead PI, University of New Mexico), Magda Hinojosa (ASU PI), Nadia Singh (University of Oregon PI), Liz Godwin (University of New Mexico co-PI), Elizabeth Wentz (ASU co-PI), and Benjamin Alemán (University of Oregon co-PI), \$105,000 ASU
- 2018 - 2024 The Knowledge Exchange for Resilience, Virginia G. Piper Charitable Trust, Elizabeth Wentz (PI), \$14,500,000
- 2018 - 2021 NSF ADVANCE grant, Elizabeth Wentz (PI), Monica Gaughan (Co-PI), Lenore Dai (Co-PI), Erika Camacho (Co-PI), Philip Regier (co-PI), National Science Foundation Award # 1824260, \$ \$2,999,743

- 2018 - 2020 DCL: INCLUDES: Early Stage Empirical Research (EAGER): Data and the Future of an Empirically Grounded Research Community for Broadening Participation in STEM, Kimberly Scott (PI) and Elizabeth Wentz (co-PI), National Science Foundation Award # 1812428, \$299,700
- 2018 Phase I of the SEER Knowledge Exchange: Urban Heat and Utility Assistance, Virginia G. Piper Charitable Trust, Elizabeth Wentz (PI), \$500,000
- 2017-2023 Training and Retaining Leaders in STEM – Geospatial Sciences, National Science Foundation award to the University of Maine with Kate Beard (PI), Laxmi Ramasubramanian (co-PI), Barbara Buttenfield (senior personnel), Sarah Battersby (senior personnel), Karen Kemp (senior personnel), and Elizabeth Wentz (senior personnel), \$358,301
- 2016-2019 GP-IMPACT: Geoscience-based workforce training and community preparedness for natural hazards, with Steven Semken and Patricia Gober, National Science Foundation, \$481,235
- 2015-2018 Synthesis of LCLUC Studies on Urbanization: State of the Art, Gaps in Knowledge, and new Directions for Remote Sensing Science, with Karen Seto and Burak Güneralp, NASA, 13-LCLUC13-2-0012, 1/1/2015 – 12/31/2017, \$188,196
- 2013-2015 Innovation in the Measurement of Community Contextual Features. Scott Yabiku (PI), with Jennifer Glick, Dirgha Ghimire, and Elizabeth Wentz. 1R21HD073758-01A1. National Institute of Child Health and Human Development, 6/15/2013-3/31/2015, \$430,853
- 2012 - 2014 Evaluation of Drought Risks and its Impact on Agricultural Land and Water Use to Support Adaptive Decision-making, Co-PI, National Oceanic and Atmospheric Administration (NOAA), with Soe Myint PI, \$285,000
- 2010 - 2012 International workshop on geospatial solutions to analyze rapid urbanization, PI, NSF, \$45,000
- 2008 - 2012 Advancing watershed N management at the local level: Incorporating stream reach ecosystem N sinks into an environmental spatial decision support system, Co-PI, USDA - CSREES - National Integrated Water Quality Program, \$175,000
- 2006 - 2009 SEI(GEO): Visual Geo-Analytics, Co-PI, NSF, with Peter Wonka (CSE), Anshuman Razdan (DCS) and Elizabeth A. Wentz (Geography). \$623,361
- 2004 - 2011 Decision Center for a Desert City: Science and Policy of Climate Uncertainty, Science member, National Science Foundation, \$7,497,949

- 2004 Monitoring Human-Environment Interactions in a Controlled Landscaping Experiment, Co-PI, College of Liberal Arts and Sciences Multi-investigator grant, \$11,000
- 2004 - 2007 Investigation of Rapid Urbanization Processes Using ASTER, MODIS, and Landsat Data, Co-PI, NASA, \$782,225
- 2002 - 2007 Central Arizona – Phoenix, Long Term Ecological Research (CAP – LTER) Co-PI, National Science Foundation, \$819,990
- 2001 Reconstruction of Fire History Patterns in the Greater Phoenix Area, PI, College of Liberal Arts and Science Multi-investigator grant, \$16,140
- 2001 Phoenix: The Im/Migrant Nexus Co-PI, College of Liberal Arts and Science Multi-investigator grant, \$14,000
- 1999 The Arizona 20-20 Challenge, Co-PI, Arizona Office of Tourism, \$7,000
- 1999 - 2001 Dynamics of an Urban Carbon Dioxide Dome, Co-PI, National Science Foundation, \$498,367
- 1999 Development and Testing a Trivariate Shape Measure for use in Geographical Analysis, College of Liberal Arts and Science Travel Grant, Arizona State University, \$830
- 1998 - 1999 Learning Physical Geography Through Interactive Laboratory Exercises, College of Liberal Arts and Science, Arizona State University, \$11,631

Refereed Publications

Underlined names are student co-authors

- 2024 Wentz, Elizabeth A., Patricia Solís, Chuyuan Wang, Carlos Aguiar-Hernandez, Hank Courtright, Aaron J. Dock. Accepted 2023. Planning for heat resilience and the future of residential electricity usage. *Annals of the American Association of Geographers*
- 2023 Daniel, Claire, Elizabeth Wentz, Petra Hurtado, Wei Yang, and Christopher Pettit. 2023. Digital Technology Use and Future Expectations: A Multinational Survey of Professional Planners. *Journal of the American Planning Association*: 1-16.
- Elliott, Steve, Michael Simeone, Kimberly A. Scott, and Elizabeth Wentz. 2023. Practices and typologies for using organizational data to identify

potential leaders for equity, diversity, and inclusion within institutions. *International Journal of Leadership in Education* 1-12.

Davis, Jonathan, Joshua Albert, Alex Vavages, David Pijawka, Elizabeth Wentz, and Michelle Hale. 2023. Resilience-Based Adaptation in Data Scarce Areas: Flood Risk Assessment Using Geodesign in the Tohono O’odham Nation, *Journal of Planning Education and Research*
<https://doi.org/10.1177/0739456X231191543>

Park, Yujin, Qunshan Zhao, Jean-Michel Guldman, and Elizabeth A. Wentz. 2023. Quantifying the cumulative cooling effects of 3D building and tree shade with high resolution thermal imagery in a hot arid urban climate. *Landscape and Urban Planning*

Praharaj, Sarbeswar, Harsimran Kaur, and Elizabeth Wentz. 2023. The Spatial Association of Demographic and Population Health Characteristics with COVID-19 Prevalence Across Districts in India. *Geographical Analysis* (2022). <https://doi.org/10.1111/gean.12336>

Fischer, Heather, Elizabeth Wentz and Leah Gerber. 2023. Examining Visitor Collected Species Data from Denali National Park and Preserve. *Citizen Science: Theory and Practice*, 8(1): 19, pp. 1–14.
DOI: <https://doi.org/10.5334/cstp.475>

Franklin, Rachel S., Elizabeth C. Delmelle, Clio Andris, Tao Cheng, Somayeh Dodge, Janet Franklin, Alison Heppenstall, Mei-Po Kwan, WenWen Li, Sara McLafferty, Jennifer A. Miller, Darla K. Munroe, Trisalyn Nelson, Özge Öner, Denise Pumain, Kathleen Stewart, Daoqin Tong, Elizabeth A. Wentz 2023. Making space in geographical analysis. *Geographical Analysis* 55(2) 325-341 <https://doi.org/10.1111/gean.12325>

2022

Wagner, Melissa, Wentz, Elizabeth A., and Stuhlmacher, Michelle. 2022. Quantifying oil palm expansion in Southeast Asia from 2000 to 2015: a data fusion approach. *Journal of Land Use Science* 17(1) 26-46.

Praharaj, Sarbeswar, and Wentz, Elizabeth. 2022. Building community resilience through geospatial information dashboards. ASPRS
<https://doi.org/10.5194/isprs-archives-XLVIII-4-W5-2022-151-2022>

Praharaj, S, Kaur, H, Wentz, E. 2022. The spatial association of demographic and population health characteristics with COVID-19 prevalence across districts in India, *Geographical Analysis*.

Mahtta, Richa, Michail Fragkias, Burak Güneralp, Anjali Mahendra, Meredith Reba, Elizabeth A. Wentz, and Karen Seto. 2022. Urban land expansion: the

role of population and economic growth for 300+ cities, *npj, Urban Sustainability*

Shutters, Shade, Joffa Applegate, Elizabeth A. Wentz, Michael Batty. 2022. Urbanisation Favours High Wage Earners, *npj, Urban Sustainability*

2021

Lopez Jaramillo, Oscar, Joel Rinebold, Michael Kuby, Scott Kelley, Darren Ruddell, Rhian Stotts, Aimee Krafft, Elizabeth A. Wentz. 2021. Hydrogen Station Location Planning via Geodesign in Connecticut: Comparing Optimization Models and Structured Stakeholder Collaboration, *Energies* 14.22: 7747.

Myint, Soe W., Rimjhim Aggarwal, Baojuan Zheng, Elizabeth A. Wentz, Jim Holway, Chao Fan, Nancy J. Selover, Chuyuan Wang, Heather A. Fischer. 2021. Adaptive Crop Management under Climate Uncertainty Changing the Game for Sustainable Water Use: Changing the Game for Sustainable Water Use. *Atmosphere* 2021, 12, 1080. [https://doi.org/ 10.3390/atmos12081080](https://doi.org/10.3390/atmos12081080)

Conrow, Lindsey, Siân Mooney, and Elizabeth A. Wentz. 2021. The association between residential housing prices, bicycle infrastructure and ridership volumes. *Urban Studies* 58, no. 4: 787-808.

Wentz, Elizabeth A., Eric Shook, Joanna Merson. 2021. A spatially-dynamic network flow algebra, *Transactions in GIS*, p 1-19 DOI: 10.1111/tgis.12764

Wang, Chuyuan, V. Kelly Turner, Elizabeth A. Wentz, Qunshan Zhao, and Soe W. Myint. 2021. Optimization of residential green space for environmental sustainability and property appreciation in metropolitan Phoenix, Arizona. *Science of the Total Environment* 763: 144605.

Zhao, Qunshan, Ziqi Li, Dhruvil Shah, Heather Fischer, Patricia Solís, and Elizabeth Wentz. 2021. Understanding the interaction between human activities and physical health under extreme heat environment in Phoenix, Arizona. *Health & Place* 102691.

Fischer, Heather A., and Elizabeth A. Wentz. 2021. Place attachment and learning outcomes among tourists who volunteer for a US National Park science volunteer program. *Applied Environmental Education & Communication* 20, no. 2: 123-138.

Wang, Chuyuan, Patricia Solís, Lily Villa, Lily, Nayan Khare, Elizabeth A. Wentz, and Aaron Gettel. 2021. Spatial Modeling and Analysis of Heat-Related Morbidity in Maricopa County, Arizona. *Journal of Urban Health*, <https://doi.org/10.1007/s11524-021-00520-7>.

- Davis, Jonathan, K. David Pijawka, Elizabeth Wentz, Michelle Hale, and David A. King. 2021. Evaluating Geodesign for Community-Based Tribal Planning: The Role of Planners in Marginalized Communities. *Journal of the American Planning Association* 1-15.
- 2020 Pettit, Christopher, Elizabeth Wentz, Bill Randolph, David Sanderson, Frank Kelly, Sean Beevers, and Jonathan Reades. 2020. Tackling the challenge of growing cities: An informed urbanisation approach. *Open Cities | Open Data: Collaborative Cities in the Information Era* 197-219.
- Deryc T. Painter, Shade T. Shutters, Elizabeth A. Wentz. 2020. Innovations and Economic Output Scale with Social Interactions in the Workforce, *Urban Science* 5.1: 21.
- Praharaj, Sarbeswar, David King, Elizabeth A. Wentz, and Christopher Pettit. 2020. Using aggregated mobility data to measure the effect of COVID-19 policies on mobility changes in Sydney, London, Phoenix, and Pune *Transport Findings* 17590.
- Davis, Jonathan, David Pijawka, Elizabeth A. Wentz, and Michelle Hale. 2020. Evaluation of community-based land use planning through Geodesign: Application to American Indian communities. *Landscape and Urban Planning* 203, 103880.
- Zhao, Qunshan, Chelsea Dickson, Jowan Thornton, Patricia Solís, and Elizabeth A. Wentz. 2020. Articulating strategies to address heat resilience using spatial optimization and temporal analysis of utility assistance data of the Salvation Army Metro Phoenix. *Applied Geography* 122, 102241.
- Güneralp, Burak, Meredith Reba, Billy U. Hales, Elizabeth A. Wentz, and Karen C. Seto. 2020. Trends in urban land expansion, density, and land transitions from 1970 to 2010: a global synthesis. *Environmental Research Letters* 15 (4): 044015.
- 2019 Wang, Chuyuan, Yubin Li, Soe W. Myint, Qunshan Zhao, and Elizabeth A. Wentz. 2019. Impacts of spatial clustering of urban land cover on land surface temperature across Köppen climate zones in the contiguous United States. *Landscape and Urban Planning* 192 103668.
- Stoker, Philip, Heejun Chang, Elizabeth Wentz, Britt Crow-Miller, Gabrielle Jehle, and Matthew Bonnette. 2019. Building Water-Efficient Cities: A Comparative Analysis of How the Built Environment Influences Water Use in Four Western US Cities. *Journal of the American Planning Association* 1-14.
- 2018 Wentz, Elizabeth A., Abigail M. York, Marina Alberti, Lindsey Conrow, Heather Fischer, Luis Inostroza, Claire Jantz, Steward TA Pickett, Karen C.

Seto, and Hannes Taubenböck. 2018. Six fundamental aspects for conceptualizing multidimensional urban form: A spatial mapping perspective. *Landscape and Urban Planning* 179: 55-62.

Beard, Rachel, Elizabeth Wentz, and Matthew Scotch. 2018. A systematic review of spatial decision support systems in public health informatics supporting the identification of high risk areas for zoonotic disease outbreaks. *International journal of health geographics* 17.1 (2018): 38.

Shimizu, Melinda, Elizabeth A. Wentz, Joanna Merson, D. Q. Kellogg, and Arthur J. Gold. 2018. Modeling anthropogenic nitrogen flow for the Niantic River catchment in coastal New England. *Landscape Ecology* 33 (8): 1385-1398.

Wentz, Elizabeth A., and Melinda Shimizu. 2018. Measuring spatial data fitness-for-use through multiple criteria decision making. *Annals of the American Association of Geographers*, 1-18.

Zhao, Qunshan, David Sailor, and Elizabeth A. Wentz. 2018. Impact of Tree Locations and Arrangements on Outdoor Microclimates and Human Thermal Comfort in an Urban Residential Environment *Urban Forestry & Urban Greening*

Conrow, Lindsey., Elizabeth A. Wentz, Trisalyn Nelson, and Christopher Pettit. 2018. Comparing spatial patterns of crowdsourced and conventional bicycling datasets. *Applied Geography* 92C, pp 21-30
<https://doi.org/10.1016/j.apgeog.2018.01.009>

2017 Yabiku, Scott T, Jennifer Glick, Elizabeth A. Wentz, Dirgha J. Ghimire, and Qunshan Zhao. 2017. Comparing paper and tablet modes of retrospective activity space data collection. *Survey Research Methods* 11 (3): 329-344.

Chang, Heejun, Matthew Ryan Bonnette, Philip Stoker, Britt Crow-Miller, Elizabeth A. Wentz. 2017. Determinants of single family residential water use across scales in four western US cities *Science of the Total Environment* 596-597: 451-464.

Mack, Elizabeth A., and Elizabeth A. Wentz. 2017. Industry variations in the broadband business nexus." *Socio-Economic Planning Sciences* 58: 51-62.

Zhao, Qunshan, Elizabeth A. Wentz, and Alan T. Murray. 2017. Tree shade coverage optimization in an urban residential environment." *Building and Environment* 115: 269-280 DOI: 10.1016/j.buildenv.2017.01.036

- 2016 Wagner, Melissa, Joanna Merson, and Elizabeth A. Wentz. 2016. Design with Nature: Key lessons from McHarg's intrinsic suitability in the wake of Hurricane Sandy. *Landscape and Urban Planning* 155 (2016): 33-46.
- Zhao, Qunshan and Elizabeth A. Wentz 2016, A MODIS/ASTER Airborne Simulator (MASTER) Imagery for Urban Heat Island Research, *Data*, 1(1), 7; doi:[10.3390/data1010007](https://doi.org/10.3390/data1010007)
- Crow-Miller, Britt, Heejun Chang, Philip Stoker, Elizabeth A. Wentz, 2016, Facilitating Collaborative Urban Water Management through University-Utility Cooperation, *Sustainable Cities and Society* 475-483.
- Wentz, Elizabeth A., Sandra Rode, Xiaoxiao Li, Elizabeth M. Tellman, B.L. Turner II, 2016, Impact of Homeowner Association (HOA) Landscape Guidelines on Residential Water Use, *Water Resources Research*
- 2015 Deitrick, Stephanie and Elizabeth A. Wentz, Developing Implicit Uncertainty Visualization Methods Motivated by Theories in Decision Science, *Annals of the Association of American Geographers*, 105(3), 531-551.
- 2014 Li, W., Chen, T., Wentz, E. A., & Fan, C., 2014, NMMI: A Mass Compactness Measure for Spatial Pattern Analysis of Areal Features. *Annals of the Association of American Geographers*, 104(6), 1116-1133.
- Wentz, Elizabeth A., Angela J. Wills, Won Kyung Kim, Soe W. Myint, Patricia Gober, and Robert C. Balling Jr., 2014, Factors Influencing Water Consumption in Multifamily Housing in Tempe, Arizona. *The Professional Geographer*, 66(3): 501-510, DOI: 10.1080/00330124.2013.805627
- Shimizu, Melinda, Randall S. Cerveny, Elizabeth A. Wentz, and Kevin E. McHugh, 2014, Geographic and Virtual Dissemination of an International Climatic Announcement. *Bulletin of the American Meteorological Society*.
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- 2013 Ouyang, Yun, Elizabeth A. Wentz, Benjamin L. Ruddell, Sharon L. Harlan, 2013, A Multi-Scale Analysis of Single-Family Residential Water Use in the Phoenix Metropolitan Area, *Journal of the American Water Resources Association*, DOI: 10.1111/jawr.12133

Myint, Soe W., Elizabeth A. Wentz, Anthony Brazel, Dale Quattrochi, 2013, The impact of human-made features and natural landscapes on urban warming, *Landscape Ecology* 28(5):959-978, DOI: 10.1007/s10980-013-9868-y

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DOI:10.1080/00330124.2013.805627

2012 Wentz, Elizabeth A., Dale Quattrochi, Maik Netzband and Soe Myint 2012. Synthesizing urban remote sensing through application, scale, data and case studies, *Geocarto International*, DOI:10.1080/10106049.2012.687400

2011 Gober, Patricia, Elizabeth A. Wentz, Timothy Lant, Michael Tschudi, and Craig Kirkwood 2011. WaterSim: A Simulation Model for Urban Water Planning in Phoenix, Arizona, USA *Environmental and Planning B* doi:10.1068/b36075

2010 Wentz, Elizabeth A., Donna J. Peuquet, Sharolyn Anderson 2010. An ensemble approach to space-time interpolation. *International Journal of Geographical Information Science* 24(9): 1309-1325

Garrity, Colleen M., Randall S. Cerveny, and Elizabeth A. Wentz, 2010. Vertical moisture profile characteristics of severe surface drought and surface wetness in the western United States: 1973-2002. *International Journal of Climatology* 30: 894-900. DOI: 10.1002/joc.1944

Lee, Seung-Jae, Elizabeth A. Wentz, and Patricia Gober 2010. Temporal Geographic Information Systems (TGIS) to Forecast Future Water Consumption in Phoenix, Arizona *Journal of Stochastic Environmental Research and Risk Assessment* DOI 10.1007/s00477-009-0317-z.

2009 Karnick, Pushpak, David Cline, Anshuman Razdan, Elizabeth A. Wentz, and Peter Wonka 2009. A Shape Grammar for Developing Glyph-based Visualizations, *Computer Graphics Forum* 28(8): 2176-2188

Ruddell, Darren and Elizabeth A. Wentz 2009. Multi-tasking: scale in geography *Compass Geography* DOI: 10.1111/j.1749-8198.2008.00206.x

Yabiku, Scott T., Jennifer E. Glick, Elizabeth A. Wentz, Steven A. Haas, and Li Zhu 2009. Migration, health, and environment in the desert southwest. *Population Environment* 30(4): 131-158.

Harms, Tamara K., Elizabeth A. Wentz, and Nancy B. Grimm 2009. Spatial heterogeneity of denitrification in semi-arid floodplains *Ecosystems* 12 (1): 129-143. DOI: 10.1007/s10021-008-9212-6

2008 Wentz, Elizabeth A., David Nelson, Atiqur Rahman, William L. Stefanov, Shoursaseni Sen Roy 2008. Expert system classification of urban land use/cover for Delhi, India *International Journal of Remote Sensing* 29 (15): 4405-4427.

Williams, Emily A. and Elizabeth A. Wentz 2008. Pattern Analysis based on Type, Orientation, Size, and Shape *Geographical Analysis* 40(2): 97 – 122.

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2007 Myint, Soe, Elizabeth A. Wentz, and Sam Purkis 2007. Is Getis index more effective than spatial autocorrelation in detecting spatial pattern? A case study of an urban land use and land cover mapping. *Photogrammetric Engineering and Remote Sensing* 73(12): 1403-1415.

Wentz, Elizabeth A. and Patricia Gober 2007. Factors Influencing Water Consumption for the City of Phoenix, Arizona, *Water Resources Management* 21(11): 1849-1863.

Edsall, Robert M. and Elizabeth A. Wentz 2007. Comparing strategies for active learning in introductory undergraduate geography courses: physical models vs. computer visualization. *Journal of Geography in Higher Education* 31(3): 427-444.

DiBiase, David, Michael DeMers, Ann Johnson, Karen Kemp, Ann Taylor Luck, Brandon Plewe, and Elizabeth Wentz 2007. Introducing the First Edition of Geographic Information Science and Technology Body of Knowledge, *Cartography and Geographic Information Science* 34(2) 113-120.

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2006 Wentz, Elizabeth A. 2006. Cognitive models of space *Encyclopedia of Human*

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Wentz, Elizabeth A., William Stefanov, Corinna Gries, Diane Hope 2006. A comparison of land use and land cover mapping approaches in an arid urban environment. *Computers, Environment, and Urban Systems* 30(3): 320-346.

2004 Koerner, Brenda, Elizabeth A. Wentz, and Robert Balling, Jr. 2004. Projected carbon dioxide (CO₂) for the year 2020 in Phoenix, Arizona. *Environmental Management* 33 Supplement: S222-S228.

2003 Miller, Harvey and Elizabeth A. Wentz 2003. Geographic Representation in Geographic Information Systems and Spatial Analysis. *Annals of the Association of American Geographers* 93(3) 574-594.

Wentz, Elizabeth A., Aimee F. Campbell, Robert Houston 2003. Implementing and testing two methods of spatio-temporal data interpolation applied to tracking the movement of monkeys. *International Journal of Geographical Information Science* 17(7): 623 – 645.

2002 Day, Thomas A., Patricia Gober, Fusheng S. Xiong, and Elizabeth A. Wentz 2002. Temporal patterns in near-surface CO₂ concentrations over contrasting vegetation types in the Phoenix metropolitan area. *Agricultural and Forest Meteorology* 110(3): 229-245.

Wentz, Elizabeth A., Patricia Gober, Robert C. Balling, Jr., Thomas Day 2002. Spatial Patterns and Determinants of Carbon Dioxide in an Urban Environment *The Annals of the Association of American Geographers* 92(1): 15-28.

2001 Wentz, Elizabeth A., Brandon J. Vogt, and Michael Kuby 2001. Use of geographic information systems for extraction of peak and canyon locations in the State of Arizona. *Cartography and Geographical Information Science*. 28(4): 259-271.

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Wentz, Elizabeth A. and Barbara Trapido-Lurie 2001. Structured Internships in Geographic Information Science Education. *Journal of Geography* 100(4): 140-144.

2000 Wentz, Elizabeth A. 2000. Development and Testing of a Trivariate Shape Measure for Geographic Analysis *Geographical Analysis* 32(2): 95-112.

1999 Wentz, Elizabeth A., JoAnn C. Vendor, and Cynthia A Brewer 1999. An Evaluation of Teaching Introductory Geography using Computer-based Tools. *Journal of Geography in Higher Education* 23(2) 167-179.

Book

- 2013 Wentz, Elizabeth A. 2013. *How to design, write and present a dissertation research proposal*. Sage Publications

Edited Books

- 2017 Quattrochi, Dale A., Elizabeth Wentz, Nina Siu-Ngan Lam, and Charles W. Emerson, eds. *Integrating Scale in Remote Sensing and GIS*. CRC Press, 2017.
- 2006 DiBiase, D., M. DeMers, A. Johnson, K. Kemp, A. Luck, B. Plewe, and E. Wentz, (editors), 2006. *Geographic Information Science and Technology Body of Knowledge*, 1st Ed. University Consortium for Geographic Information Science. Washington, DC: Association of American Geographers.
- 2005 Moeller, Matthias and Elizabeth A. Wentz (editors) 2005. *Proceedings of the ISPRS WG VIII/I "Human Settlements and Impact Analysis" 3rd International Symposium Remote Sensing and Data Fusion Over Urban Areas (URBAN 2005) and 5th International Symposium Remote Sensing of Urban Areas (URS 2005)*. The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences. March 14-16, 2005, Tempe, Arizona, USA

Refereed Book Chapters and Conference Proceedings

- 2019 Pettit, C. Wentz E. Randolph B. Sanderson D., Kelly, F. Beevers, S., Reades J. (2019) Tackling the Challenge of Growing Cities: an informed urbanisation approach, (Hawken, S, Han H, Pettit, C. eds) in *Open Cities, Open Data*, Palgrave Macmillan.
- Zhao, Q., Reynolds, R., Wang, C., & Wentz, E. A. (2019). A multidimensional urban land cover change analysis in Tempe, AZ. *2019 Joint Urban Remote Sensing Event (JURSE)*, 1–4. <https://doi.org/10.1109/JURSE.2019.8808957>
- 2018 Pettit, C.J. Ticzon, C. Reades, J. Wentz, E., Ong, P. Martin, C. Troy, L. Crommelin, L. (2018) How Disruptive Technology is Impacting the Housing and Property Markets in Real Estate and GIS The Application of Mapping Technologies, (Reed, R, Pettit, C, eds) Routledge, pp36-64.
- 2016 Myint, S.W., Mesev, V., Quattrochi, D. and Wentz, E.A. 2016. Urban image classification: per-pixel classifiers, sub-pixel analysis, object-based image analysis, and geospatial methods. In P. Thenkabil (Ed) *Remotely Sensed Data Characterization, Classification, and Accuracies*. Boca Raton: Taylor & Francis, 219–230

- 2015 Wentz, Elizabeth A. and Qunshan Zhao, Assessing Validation Methods for Building Identification and Extraction, *Joint Urban Remote Sensing Event (JURSE)*, Lausanne Switzerland
- 2012 Larson, Kelli L., Dorothy C. Ibes, and Elizabeth A. Wentz. Identifying the water conservation potential of neighborhoods in Phoenix, AZ: an integrated socio-spatial approach. In *Geospatial Approaches to Urban Water Resources*. Ed., P. Lawrence. Springer Series Geotechnologies and the Environment: Planning and Socioeconomic Applications, 39 pp.
- 2009 Elizabeth A. Wentz, William L. Stefanov, Matthias Möller, Maik Netzband, and Anthony Brazel 2009. The Urban Environmental Modeling (UEM) Project 100 Cities: the legacy of the first phase and next steps. *Global Mapping of Human Settlement: Experiences, Data sets, and Prospects*. P. Gamba and M. Herold (editors) Taylor & Francis
- 1994 Peuquet, Donna J. and Elizabeth A. Wentz 1994. An Approach for Time-Based Analysis of Spatiotemporal Data, *Advances in GIS Research* 1:489-504.

Non-refereed Publications

- 2020 Solís, Patricia, Elizabeth Wentz, and David Hondula. 2020. Resilience and Vibrant Communities. In *Creating Vibrant Communities: the 113th Arizona Town Hall Background Report*, Ford, Otten and Nelson (Eds). Vitalyst Health Foundation: Phoenix, Arizona. pp.28-24. Available from <https://bit.ly/2DissL9>.
- 2017 Wentz, Elizabeth A., Britt Crow-Miller, Heejun Chang, and Philip Stoker, Moving beyond the case study to understand how and why cities function, *Parameters*, Social Science Research Council, August 23, 2017.
- 2013 Arnold, C., D. Kellogg, K. Forshay, C. Damon, E. Wilson, A. Gold, E. Wentz, and M. Shimizu. Tracking the fate of watershed nitrogen: The “N-Sink” Web Tool and Two Case Studies. U.S. Environmental Protection Agency, Washington, DC, EPA/600/R-13/230, 2013.
- 2011 Wentz, Elizabeth A., Karen Seto, Maik Netzband, Michail Fragkakis, Soe Myint, Urban Remote Sensing (URS) and Forecasting Urban Landuse (FORE) workshops: common ground and targeted opportunities, *Viewpoints VI*
- Dell’Acqua, Fabio, Elizabeth A. Wentz, Soe Myint and Maik Netzband, Urban areas: states-of-the-art in remote sensing and forecasting growth meet in a joint workshop at Arizona State University, *Earthzine*, <http://www.earthzine.org/2011/09/30/understanding-the-drivers-and-consequences-of-global-urbanization-using-emerging-remote-sensing-technologies/>

- 2009 Wentz, Elizabeth A. 2009. Harvey J. Miller in *Encyclopedia of Geography*, Barney Warf (ed). Sage Publications, Inc.
- 2007 Ruddell, Darren and Elizabeth A. Wentz 2007. Scale; Population; and Spatial Analysis: A Methodological Investigation, *Proceedings of the 15th ACM International Symposium on Advances in Geographic Information Systems (ACM GIS 2007)*, Seattle WA, November 2007.
- Wentz, Elizabeth A. 2007. Structural Analysis of Land Use Pattern in Delhi India. Proceedings for the 32nd International Symposium on Remote Sensing of Environment. Sustainable Development Through Global Earth Observations, June 25 – 29, 2007, San Jose, Costa Rica
- 2005 Netzband, Maik, Elizabeth A. Wentz, and Atiqur Rahman 2005. Urban land cover and spatial variation observation using satellite image data – the urban environmental monitoring project. Proceedings of the XXVIIIth URSI General Assembly, New Delhi India, October 2005.
- Cole, Christopher, Elizabeth Wentz and Philip Christensen 2005. Expert system approach for classifying land cover in New Delhi India using ASTER imagery. *Proceedings of the ISPRS WG VIII/ “Human Settlements and Impact Analysis” 3rd International Symposium Remote Sensing and Data Fusion Over Urban Areas (URBAN 2005) and 5th International Symposium Remote Sensing of Urban Areas (URS 2005)*. The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences. March 14-16, 2005, Tempe, Arizona, USA
- 2003 Wentz, Elizabeth A. 2003. Review of Modelling Scale in Geographical Information Science, N. Tate and Atkinson (eds) *Geographical Analysis* 35(2):177-178.
- 2002 Wentz, Elizabeth A. 2002. Review of Getting Started with Geographic Information Systems Third Edition Keith Clarke *International Journal of Geographical Information Science* 16(2): 204-205.
- 2001 Wentz, Elizabeth, Sharolyn Anderson, William L. Stefanov, and John Briggs 2001. Desert Fire History and Effects on the Phoenix, Arizona, Metropolitan Area. IEEE/ISPRS Joint Workshop on Remote Sensing and Data Fusion over Urban Areas, University of Rome La Sapienza, November 8-9, 2001, 154-158.
- 2000 Hepner, George, Carolyn Merry, Dawn Wright, Elizabeth Wentz, Sharolyn Anderson, Amy Budge 2000. Remotely Acquired Data and Information in GIScience. UCGIS Research Initiative.
- 1999 Burns, Elizabeth K. and Elizabeth A. Wentz 1999. Progress Toward Integrating Spatial Technologies for Urban Infrastructure Management ACSM

Proceedings.

- 1998 Wentz, Elizabeth A. and Joseph A. Bishop 1998. Geographic Information System and Database Management at a Tropical Rainforest Research Station Republished in *GIS Methodologies for Developing Conservation Strategies*, 1998, Basil G. Savitsky and Thomas E. Lacher Jr. (eds), Columbia University Press, New York, 83-95
- 1997 Brewer, Cynthia A. and Elizabeth A. Wentz 1997. A Simplified GIS Interface for Learning Introductory Geomorphology. *Geocal*, 16: 6-10.
- Wentz, Elizabeth A. 1997. Shape Analysis and GIS. *Auto-Carto* 13, 204-213.
- 1996 Wentz, Elizabeth A. 1996. Book review of *Innovations in GIS* Michael F. Worboys (ed.) 1994. In *Annals of the Association of American Geographers* 86:376-377.
- 1995 Wentz, Elizabeth A. and Joseph A. Bishop 1995. Geographic Information System and Database Management at a Tropical Rainforest Research Station. *Biology International* 30:10-19.
- 1993 Campbell, Aimee F. and Elizabeth A. Wentz 1993. Monkeying Around with ARC/INFO: GIS Methods in the Study of Primate Ecology and Conservation, *ARCNews* Redlands, CA: Environmental Systems Research Institute, Inc. Reprinted in *Liana* Durham, NC: Organization for Tropical Studies.
- Wentz, Elizabeth A. and Marco Vinicio Castro Campos 1993. Management of Research Areas at a Biological Field Station, in *Proceedings of the Thirteenth Annual ESRI User Conference*, Redlands, CA: Environmental Systems Research Institute, Inc., Vol. 1, 303-314.
- 1992 Castro Campos, Marco Vinicio and Elizabeth A. Bishop (Wentz) 1992. Geographic Information Systems in Tropical Rain Forest Research, in *ARC/INFO Maps 1992*, Redlands, CA: Environmental Systems Research Institute, Inc., 75.
- 1991 Hale, Stephen and Elizabeth (Wentz) Bishop 1991. Managing an Estuarine Data Base with DBMS and a GIS, in *RIGIS News*.
- Smith, Suzanne and Elizabeth (Wentz) Bishop 1991. ARC/INFO and the Mac, *RIGIS News*.
- Bishop (Wentz), Elizabeth A. 1991. The World Prodigy Oil Spill, Rhode Island, in *ARC/INFO Maps 1990*, 58.
- 1990 August, Peter, Stephen Hale, Elizabeth A. (Wentz) Bishop and Eric Sheffer

1990. The Contributions of GIS Technology to Environmental Disaster Management - A Case Study of the World Prodigy Oil Spill, Rhode Island, in *Proceedings, Oil Spills Management and Legislative Implications*, edited by Malcolm L. Spaulding and Mark Reed, 366-374. Newport, RI: American Society of Civil Engineers. Reprinted in *Proceedings NCGS '90*, 91-98. Houston, TX.

1989 Marble, Duane F. and Elizabeth A. Wentz 1989. Standardized Benchmarks for Geographic Information Systems: A Progress Report, in *ARC/INFO User Conference Proceedings*: Redlands, CA: Environmental Systems Research Institute, Inc., 1-10.

Journal Editor, Editorial Board, and Journal Reviewing

2010 - 2011 *Geographical Analysis*, Guest editor for a Special Issue on Water
 2006 - 2009 *Geography Compass*, GIS section editor
 2016 - *Urban Science*, editorial board
 2013 - *The AAG Review of Books*, editorial board
 2012 - 2017 *Transactions in GIS*, editorial board
 2009 - 2019 *International Regional Science Review*, editorial board
 2003 - 2018 *Geographical Analysis*, Associate Editor
 2015 *Environmental Monitoring and Assessment*
 2013 *Remote Sensing*
 2012 *Water Policy*
 2011 *Landscape and Urban Planning*
Environment and Planning B
 2010 *Water Resources Research*
 2009 *Journal of the American Water Resources Association*
Physical Geography
 2008 *Environmental Management*
The Canadian Geographer
Obesity
Land Use Policy
Geoinformatica
Water Resources Management
 2006 *Geographical Review*
Computers and Geosciences
International Journal of Climatology
Transactions in GIS
 2005 *Regional Environmental Change*
Ecology and Society
Cartography and Geographic Information Science
 2004 *Urban Ecosystems*
 2003 *International Journal of Remote Sensing*
The Professional Geographer
The Annals of the Association of American Geographers

- 2001 *Computers, Environment, and Urban Systems*
Journal of Geographical Systems
 2000 *Geographical Analysis*
IEEE Computer Society Transaction on Knowledge and Data Engineering
 1999 *International Journal of Geographical Information Science*

Invited Research and Leadership Panelist

- 2023 American Historical Association, Chairs Workshop 2023, Diversity, Equity and Inclusion Discussion Session, Hosted by SSRC PROGRESS, with Fred Palm and Mike Funk, in Chicago IL
- Successful Fundraising and Development Strategies for Graduate Education, Technical Workshop, Council of Graduate Schools Summer Meeting with Peter Harries and Clay Gloster, in Denver CO
- 2022 Reducing the Cost of a Graduate Degree: Strategies to Support Student Progress and Completion, Council of Graduate Schools Annual Meeting
- Career Mentoring Panel in Remote Sensing, Remote Sensing Specialty Group of the American Association of American Geographers
- Extreme Heat as a Threat Multiplier, with Yommy Chui from Swiss RE, Extreme Heat Resilience, Resilient Nation Partnership Network, June Ideation Hour with FEMA
- Women in GIScience and Gender & the Environment, *Advancing Women's Prosperity in the Workplace*, SERVIR Global, May 15-22, 2022
- 2021 STEAM and the Future of Interdisciplinary Research: Engine of Innovation or a Bunch of Hot Air? (Member), Council of Graduate Schools, New Orleans
- Panel 3: Convergence Global GIScience Education in Global GIS Education (Member)
- 2016 Presidential Plenary, Disruptive Forces in Higher Education (Member) The Association of American Geographers, San Francisco CA
- GIS Specialty Group, Panel on Space Time Analysis (Member), The Association of American Geographers, San Francisco CA
- 2015 Research Panel, University Consortium for Geographical Information Science, Symposium, Arlington VA

Invited Research Presentations

- 2021 Global Council for Science and the Environment, Resilience Knowledge Learning Collaborative, Global Council for Science and the Environment Symposium
- 2021 Designing Resilience Dividends: Energy and Housing Futures, Arizona-Mexico Commission, Energy Committee Meeting, May 2021
- 2020 How spatial data support knowledge-based decision making for community resilience, North Carolina State's Geospatial Forum
- 2019 Knowledge Exchange for Resilience: A Case for Science to Solutions, Department of Geography, Pennsylvania State University
- 2018 Science to Solutions through a Knowledge Exchange, Pacific Ridge to Reef, Hilo, Hawaii
- 2016 Impact of Homeowner Association (HOA) Landscaping Guidelines on Residential Water Use, Department of Geography, University of Arizona
- 2015 Untangling urban water demand through the lens of GIScience, Association of American Geographers, The Waldo Tobler Distinguished Lecture, Geographic Information Systems and Science Specialty Group
- Scale issues in urban water demand, Portland State University Department of Geography, Portland, Oregon
- 2013 Buildings and Trees, Salt River Project Sustainability and Innovation, Phoenix, Arizona
- 2012 Urban adaptation to climate change: water and energy in a desert city, Laboratory of Geographic Information Systems (LASIG), École Polytechnique Fédérale de Lausanne, Switzerland
- Urban environmental tradeoffs: water and energy in a desert city, Department of Geography, University of Zurich
- 2011 Urban Remote Sensing Workshop Outcomes, Department of Atmospheric Sciences, University of Alabama and NASA, Huntsville AL
- Urban Remote Sensing – Theory and Practice, School of Forestry and Environmental Studies, Yale University
- Urban Remote Sensing – Land use classification, Department of Geography and Planning, University of Saskatchewan, Canada

- 2010 Computational spatial analysis techniques for better understanding urban water demand, Department of Geography, Rutgers University
- The Urban Environmental Monitoring Project: 100 cities School of Geographical Sciences and Urban Planning, Arizona State University
- 2009 Computational spatial analysis techniques for better understanding urban water demand, Department of Geography, University of California – Los Angeles
- 2008 Geographic pattern analysis: an exploration of methodological, applied, and theoretical problems, Department of Geography, University of Texas – Austin
- Geographic pattern analysis: an exploration of methodological, applied, and theoretical problems, School of Human Evolution and Social Change, Arizona State University
- The Urban Environmental Monitoring Project: 100 cities Department of Geography, University of Mexico
- The Urban Environmental Monitoring Project: 100 cities Department of Geography, Florida State University
- 2007 Geographic pattern analysis: an exploration of methodological, applied, and theoretical problems Department of Geography, University of Arizona
- 2006 Factors Influencing Residential Water Consumption, Decision Center for a Desert City Water Briefing, Arizona State University
- 2004 Implementing and testing two methods of spatio-temporal data interpolation applied to tracking the movement of monkeys, Cognitive Systems and Behavior Seminar Series, Arizona State University
- 2003 Atmospheric Carbon Dioxide in an Urban Environment Department of Geological Sciences, Arizona State University
- 2002 GIS Research Opportunities in Health, Department of Exercise and Wellness, Arizona State University East
- 2001 Implementing and testing two methods of spatio-temporal data interpolation applied to tracking the movement of monkeys, Department of Geography, University of Colorado – Boulder

Implementing and testing two methods of spatio-temporal data interpolation applied to tracking the movement of monkeys, Department of Geology, University of Mississippi, Oxford, MS

Implementing and testing two methods of spatio-temporal data interpolation applied to tracking the movement of monkeys, Cognitive Systems and Behavior Seminar Series, Department of Environmental Fluid Dynamics, Arizona State University

2000 GIS research and teaching from a North American perspective, Department of Geography, University of Oslo, Norway

1999 Development of techniques for spatio-temporal data interpolation, Department of Geography, University of Utrecht, The Netherlands

Shape Analysis and GIS, Department of Geography, University of Utah

1998 Shape Analysis and GIS, Department of Fluid Dynamics, Arizona State University

Shape Analysis and GIS, Department of Geography, University of Arizona

1990 Exploring Pattern in Complex Multidimensional Environmental Datasets, Department of Natural Resources Science, University of Rhode Island

GIS and Environmental Disaster Management: *World Prodigy* Oil Spill, Department of Geography, The Ohio State University

GIS and Environmental Disaster Management: *World Prodigy* Oil Spill, Emergency Response Workshop, Innovative Emergency Management, Inc.

Conference Presentations

2022 New Graduate Program Models for Transnational Global Learning, American Association of Colleges & Universities, Transforming Global Learning Practice: Time for Action with Elizabeth A. Wentz, Rick Shangraw, Julia Rose, and Brian Mattson

Building Community Resilience Through Geospatial Information Dashboards, 7th Smart Data Smart Cities and 17th 3D GeoInfo Joint International Conference with Elizabeth A. Wentz and Sarbeswar Praharaj

Avoided Residential Air Condition Energy Costs Associated with Colling the City: A Case study for Phoenix Arizona USA, 17th Symposium on Society Applications: Policy Research and Practice, AMS 102nd Annual Meeting,

Houston Texas with Sailor, David J., Elizabeth A. Wentz, Jyothis Anand, Mansour Alhazmi, Edwin Aguilar, Aaron Mehner

- 2017 Building water efficient cities. Association of Collegiate Schools of Planning. Denver, CO. with Stoker, P., Chang, H., Wentz, E., Crow-Miller, B., Bonnette, M., Jehle, G.
- 2015 Assessing Tropical Storm Vulnerability in an Inland Desert: A Case Study of the 2014 Flash Flood Events in Phoenix, Arizona, Association of American Geographers, Chicago IL, with Melissa Wagner and Scott Kelley
- 2013 Small area urban environmental indicators of energy-water dynamics in a desert city, Association of American Geographers, Los Angeles CA, with Chao Fan
- 2011 Space-time interpolation of land cover for Phoenix Arizona, Association of American Geographers, Seattle WA, with Sharolyn Anderson and Donna Peuquet
- Panel in honor of Dr. Duane Marble, Association of American Geographers, Sponsored by AAG, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Esri and University Consortium for Geographic Information Science, organized with May Yuan
- 2010 The impact of detailed land-cover categories on urban warming
American Society for Photogrammetry and Remote Sensing (ASPRS)
Soe Myint (presenter) and Anthony Brazel
- Outdoor water consumption and the impact on the urban heat island in Phoenix Arizona Association of American Geographers
- 2008 Geographic pattern analysis: an exploration of applied, methodological, and theoretical problems Association of American Geographers
- Migration, Health, and Environment in the Desert Southwest, Yabiku, Scott T., Jennifer E. Glick, Steven Haas, and Lu Zhu, Population Association of America
- The interface between cartography and remote sensing, Robert Edsall and Aileen Buckley, American Association for Photogrammetry and Remote Sensing (ASPRS)
- 2007 The fractal dimension of land use and land cover in Phoenix, Arizona
American Society for Photogrammetry and Remote Sensing (ASPRS)
Southwest Region Technical Meeting, Sharolyn Anderson and Claudio Delriux

- 2006 Factors Influencing Water Consumption for the City of Phoenix, Arizona, Association of American Geographers
- 2004 Polygon Pattern Analysis based on Type, Orientation, Shape, and Size, GIScience
- 2003 Projected carbon dioxide (CO₂) for the year 2020 in Phoenix, Arizona, Association of American Geographers
- 2002 Science Model Curriculum and the ASU Curriculum, University Consortium for Geographic Information
- Science Model Curriculum and the ASU Curriculum, Arizona Geographic Information Council Annual Meeting
- 2002 GIS Applications for Open Space Planning and Acquisition, APRA Open Space Conference
- 2001 Desert Fire History and Effects on the Phoenix, Arizona, Metropolitan Area, IEEE/ISPRS Joint Workshop on Remote Sensing and Data Fusion over Urban Areas, University of Rome La Sapienza.
- Spatial Patterns and Determinants of Carbon Dioxide in an Urban Environment, Association of American Geographers
- 2000 Implementing and testing two methods of spatio-temporal data interpolation applied to tracking the movement of monkeys, GIScience
- 1999 The Role of Internships in GIS Education, Association of American Geographers
- Teaching Concepts of Physical Geography with GIS-based tools, Association of American Geographers
- 1998 Challenges in GIS Education, Arizona Pacific Coast Geographers Annual Meeting
- Challenges in GIS Education, Arizona Geographic Information Council (AGIC) Annual Meeting August 1998
- Teaching Concepts of Physical Geography with GIS-based tools, Geographic Alliance GeoFest
- GIS User Interface Design for Applications in Archaeology, Association of American Geographers

- 1997 Shape Analysis and GIS, Auto-Carto 13, Seattle, Washington
- Advancing the Analytical Capabilities of GIS, Association of American Geographers
- Student Use of Simplified GIS Interface for Learning Introductory Geomorphology, Association of American Geographers, Cynthia Brewer and JoAnn Vender
- 1994 An Approach for Time-Based Analysis of Spatiotemporal Data, Sixth International Symposium on Spatial Data Handling, Donna Peuquet
- Space, Shape, and Time: The shape of things to come, Association of American Geographers
- 1992 GIS and Research in Tropical Biology, International Union of Biological Sciences, La Selva, Costa Rica
- 1990 GIS and Research in Tropical Biology, Organization of Biological Field Stations, La Selva, Costa Rica
- GIS and Environmental Disaster Management: *World Prodigy* Oil Spill, National Computer Graphics Association
- GIS and Management of the Narragansett Bay American Society for Photogrammetry and Remote Sensing (ASPRS) New England Chapter

Poster Presentations

- 2022 An Undergraduate Certificate in Natural-Hazards Preparedness and Mitigation (HazPM) Steven Semken, Elizabeth A. Wentz, Patricia Gober and Erin Froncek, Geological Society of America, October 2022.
- 2019 Developing Utility Assistance Community Resilience Networks in Maricopa County Wei Luo, Arizona State Univ., Tempe, AZ; and Q. Zhao, H. Fischer, P. Solís, and E. Wentz, American Meteorological Society, January 2019
- Community Resilience in Maricopa County, Arizona, USA: The Analysis of Indoor Heat-Related Death and Urban Thermal Environment
Qunshan Zhao, Arizona State Univ., Tempe, AZ; and H. Fischer, W. Luo, P. Solís, and E. Wentz, American Meteorological Society, January 2019
- Mapping Heat Vulnerability in Maricopa County, Arizona, with the HeatMappers Volunteer Science Program, Grace Valandra, Xavier College Preparatory, Phoenix, AZ; and H. Fischer, P. Solís, Q. Zhao, E. Wentz, and C. Higgins, American Meteorological Society, January 2019

ActivityLog–HeatMappers: A Novel Research Data Collection Tool for Logging Activities, Locations, and Environment Data, Ziqi Li, Arizona State Univ., Tempe, AZ; and Q. Zhao, H. Fischer, P. Solis, and E. Wentz, American Meteorological Society, January 2019

Developing Utility Assistance Community Resilience Networks in Maricopa County, Wei Luo, Arizona State Univ., Tempe, AZ; and Q. Zhao, H. Fischer, P. Solis, and E. Wentz, American Meteorological Society, January 2019

2014 Hurricane Sandy through the Lens of Ian McHarg, Association of Collegiate Schools of Planning, October 2014, with Melissa Wagner

Investigating the Impact of Homeowner Association Landscape Guidelines on Residential Water Use, CAP LTER, with Sandra Rode, Elizabeth A. Wentz, Xiaoxiao Li, Billie L. Turner II

2011 Classifying Urban Land cover using Spatial Weights: A Comparison of Discriminant Analysis and Markov Random Fields, American Geophysical Union annual meeting, December 2011, with Yang Song

2008 The Use of GIS as a Decision-Support Tool by Water Managers in Phoenix, Arizona, Arizona State University CAP – LTER, with J. Howard, K. Larson, and D. White

Spatial Extrapolation Mapping Based on Aggregated Data: Countywide Extrapolation of Phoenix Water Use Data Arizona State University CAP – LTER, with S. J. Lee

2008 Temporal Geographic Information Systems (TGIS) to Forecast Future Water Consumption in Phoenix, Arizona, Arizona State University CAP – LTER, with S.J. Lee, and P. Gober

2007 Scale; Population; and Spatial Analysis: A Methodological Investigation 15th ACM International Symposium on Advances in Geographic Information Systems, with Darren Ruddell

Structural Analysis of Land Use Pattern in Delhi India Symposium on Remote Sensing of Environmental Sustainable Development Through Global Earth Observations San Jose, Costa Rica

2006 Defining pattern for data mining and spatial data analysis, Auto-carto

A spatial decision support tool for regional water managers: scenarios for predicting residential water consumption Decision Support Systems Symposium

Classifying land cover in New Delhi India using ASTER imagery, Annual Meeting of the Association of American Geographers

Factors Influencing Water Consumption for the City of Phoenix, Arizona, Arizona State University CAP-LTER

- 2005 Expert system approach for classifying land cover in New Delhi India using ASTER imagery 3rd International Symposium Remote Sensing and Data Fusion Over Urban Areas (URBAN 2005) and 5th International Symposium Remote Sensing of Urban Areas (URS 2005)
- 2002 Desert Fire History and Effects on the Phoenix, Arizona, Metropolitan Area Arizona State University CAP-LTER
- 2000 Use of geographic information systems for extracting peaks and canyons, Annual meeting of the Association of American Geographers
- 1998 Progress toward Integrating Spatial Technologies for Urban Infrastructure Management, Arizona Geographic Information Council Annual Conference, Arizona State University

International and National Service Activities

- 2023 Council of Graduate Schools, Consultant, Program Review for St. Louis University (SLU) - College of Graduate Studies
- 2023 AAC&U Conference on Global Learning, Meeting Global Challenges, Reviewer
- 2022 Council of Graduate Schools, Consultant, Program Review for San Diego State University, College of Graduate Studies
- 2022 – 2024 Council of Graduate Schools, Advancement Advisory Committee
- 2021 - 2024 Social Science Research Council (SSRC), NSF ADVANCE Advisory Board
- 2021 Program review, Department of Geography, University of Arizona
- 2019 Program review, Department of Geography, Texas A & M
- 2015 Program review, School of Natural Resources, University of Nebraska – Lincoln
- 2015 - 2016 Proposal reviewer for Austrian Science Fund
- 2014-2015 Technical Committee for the Joint Urban Remote Sensing Event 2015 (JURSE)

in Lausanne Switzerland

- 2014-2017 Executive Committee of the University Consortium for Geographic Information Science (Present-Elect, President, Past-President)
- 2013 - Chair, Board of Trustees, Marble Fund, Association of American Geographers (AAG)
- 2012 - 2013 Scientific committee, Joint Workshop on Remote Sensing and Data Fusion over Urban Areas (URBAN) and the Workshop on Remote Sensing of Urban and Suburban Areas' (URS), Sao Paulo, Brazil, 2013
- 2012 - 2015 National council member, Chair of the National Councilors (2013-2015), Association of American Geographers (AAG)
- 2012 Scientific review committee, Open Geospatial Research and Education Symposium, 2012, Yverdon-les-Bains, Switzerland
- 2011 Program committee, Space-time Symposium, Association of American Geographers (AAG)
- Proposal review, Israeli Science Foundation
- 2010 Proposal review, Water Resources Research Institute
- Proposal review, National Institutes of Health (NIH)
- 2010 - 2011 Program committee, Joint Urban Remote Sensing Event (JURSE), Munich, Germany
- 2009 Program review, Department of Geography, Rowan University
- 2009 - 2011 Regional director, Southwest Region of the American Society of Photogrammetry and Remote Sensing (ASPRS)
- 2008 Nominating committee, Association of American Geographers (AAG)
- 2008 Program committee, Association for Computing Machinery, International Symposium on Advances in Geographic Information Systems (SIG SPATIAL)
- 2008 - 2013 Chair of the review committee, Marble-Boyle Undergraduate Award, Association of American Geographers
- 2008 Student chapter liaison, American Society of Photogrammetry and Remote Sensing

- 2007 - 2008 Conference planning committee, Auto-Carto
- 2005 - 2008 Board member, Cartography and Geographic Information Society
- 2005 - 2008 Vice chair, Chair, Past chair, Association of American Geographers Geographic Information Systems and Science Specialty Group
- 2004 - 2006 GIS Education Services, Board of Directors
- 2004 - 2005 Secretary, University Consortium for Geographic Information Science
- 2003 Proposal reviewer, National Science Foundation (NSF)
- 1999 Board member, Board member for *Discovering Geographic Knowledge in Data-Rich Environments*, NCGIA-Varenius Specialist Meeting
- 1998 - 2008 Member, GIS Core Curriculum Group, University Consortium for Geographic Information Science (UCGIS)
- 1998 Reviewer for Thirty-Second Annual Hawai'i International, Conference on System Sciences Minitrack on "GIS and Decision Support"
- 1993 - 1994 Graduate student representative, Association of American Geographers, Geographic Information Systems Specialty Group

University Service

- 2022 - 2023 Global Futures Laboratory, Task Force on Designing for Impacts and Outcomes
- 2021-2022 ASU search committee member
- Watts College of Public Service and Community Solutions
 - Barrett, The Honors College at Arizona State University
- 2017 - 2020 ASU representative, Social Science Research Council (SSRC)
- 2016 - 2018 Chair, PLoS Alliance fellows, ASU
- 2014 -2015 Member, College of Liberal Arts and Sciences Dean's Advisory Council
- 2014 - 2016 Member, ASU Bicycle Advisory Committee
- 2014 Committee member, Search committee for the Dean of the College of Liberal Arts and Sciences, Arizona State University
- 2010 - 2011 Interim Director, Master of Advanced Study in Geographic Information Systems, School of Geographical Sciences and Urban Planning, Arizona State

University

- 2007 - 2014 Undergraduate advising, Decision Center for a Desert City
- 2008 - Executive Committee, GeoDa Center, School of Geographical Sciences and Urban Planning, Arizona State University
- 2009 - 2010 Executive Committee, School of Geographical Sciences and Urban Planning, Arizona State University
- 2008 Proposal Reviewer, Institute for Social Science Research, College of Liberal Arts and Sciences, Arizona State University
- 2007 - 2008 Search Committee Member, University Library Geospatial Data Analyst, Arizona State University
- 2007 - Executive Committee, Information Science Certificate, Arizona State University
- 2007 - 2011 Faculty Mentor, Prof. Kelli Larson, Arizona State University
- 2006 - 2007 Director, Transdisciplinary Center for GIScience, School of Geographical Sciences, Arizona State University
- 2006 - Director, Geographic Information Science Graduate Certificate, Arizona State University
- 2005 - 2006 Faculty Mentor, Prof. Markus Janssen, Arizona State University
- 2004 - 2009 Executive Committee, Decision Center for a Desert City, Arizona State University
- 2004 - 2009 Faculty Sponsor, Supporting Women in Geography, School of Geographical Sciences and Urban Planning, Arizona State University
- 2002 - Executive Committee, Geographic Information Science Graduate Certificate, Arizona State University
- 1988 - 1989 Graduate Student Representative, Department of Geography, The Ohio State University

Postdoctoral Scholars Supervised

2023 - 2025	Oscar Lopez
2020 - 2023	Sarbeswar Praharaj
2018 - 2020	Chuyuan Wang
2017- 2018	Heather Fisher

Graduate Student Committee Chair

2020	Jonathan Davis, PhD, co-chair with David Pijawka Melissa Wagner, PhD, co-chair with Randall Cerveny
2018	Lindsey Conrow, PhD
2017	Qunshan Zhao, PhD Heather Fisher, PhD
2014	Melinda Shimizu, PhD
2013	Yun Ouyang, PhD. School of Sustainability, co-chair with Benjamin Ruddell Joanna Merson, MA Stephanie Deitrick, PhD
2012	David Nelson, MA
2011	Won Kyung Kim, PhD
2010	Yang Song, MA Angela Wills, MA Scott Brown, MA
2009	Darren Ruddell, PhD Jillian Elder, MA
2008	Jamie Patterson, MA Jason Howard, MA
2007	Colleen Garrity, PhD co-chair with Randall Cerveny Shea Lemar, MA Andrew Burnett, MA
2004	Emily Atwood, MA
2003	Jennifer McCulley, GIS graduate certificate
2002	Sharolyn Anderson, PhD Karen Blevins, MA Seth Paine, MA
2001	Corene Matayas, MA, co-chair with Randall Cerveny

Graduate Student Committee Member

In progress	Rachel Beard, PhD, Biomedical Informatics, Matthew Scotch chair
2023	Oscar Lopez, PhD, Michael Kuby chair
2016	Lauren Gentile, PhD, Environmental Social Science, Robert Bolin chair
2015	Scott Kelley, PhD, Michael Kuby chair
2014	Jenna Nash, MUEP, Deirdre Pfeiffer Liyuan Liu, MUEP, Aaron Golub chair Jennifer Carlson, MA, Janet Franklin chair

2013 Myung-Hwa Hwang, PhD, Luc Anselin chair
 2012 Elyssa Gutbrod, PhD, Ronald Dorn chair
 Yin Liu, PhD, Alan Murray chair
 2011 Melissa Wagner, MA, Randall Cerveny and Soe Myint co-chairs
 Angelika Kizior, MUEP, Aaron Golub chair
 2010 Brent Hedquist, PhD, Anthony Brazel chair
 Jong-Geun Kim, PhD, Michael Kuby chair
 2009 Nayoung Ryu, MA, Breandan O hUallachain chair
 2008 Robert Pahle, PhD Architecture, Feliz Ozel chair
 Sarah Boyle, PhD Biology, Andrew Smith chair
 Jason Kelley, MA, Michael Kuby chair
 Jared Underwood, PhD, Biology, Leah Gerber chair
 2007 Carol Atkinson-Palombo, PhD, Patricia Gober chair
 Patrick Whelley, MA, Geological Sciences, Ronald Greeley chair
 Brenda Koerner, PhD Plant Biology, Jeff Klopatek chair
 Brandon Vogt, PhD, Robert Edsall chair
 Seow Lim, PhD, Michael Kuby chair
 2005 Stephanie Dietrick, MA, Robert Edsall chair
 2004 Timothy Leslie, MA, Breandan O hUallachain chair
 2003 Jana Heisler, MS Plant Biology, John Briggs chair
 2002 Sean Whitcom, MS Plant Biology, Jean Stutz chair
 Santiago Lopez, MS, Patricia Fall chair
 2000 Antonio Matamoros, MA, Rodrigo Sierra chair
 Mary Richardson, MA, Interdisciplinary Studies, Andrew Smith chair
 Michael Henze, MA, Ronald Dorn chair
 Brandon Vogt, MA, Ronald Dorn chair
 1999 Steven Gordon, PhD, Ronald Dorn chair
 Curtis Sommer, MA, Michael Kuby chair
 1998 Jordon Chamberlain, MA, Rodrigo Sierra chair
 Charlene Howard McDonald, MA, Elizabeth Burns chair

Undergraduate Honor's Thesis Committee

2015 Jessica Jia, co-chair with Kelli Larson, honors thesis
 2011 Joshua Randall, Community of Undergraduate Research Scholars (COURS)
 Michael Catsos, committee member, honors thesis
 Emma Harrison, committee member, honors thesis
 2003 Robert Murray, chair, honors thesis

Individual and Institutional Memberships

2023 American Council on Education
 2021 American Association of Colleges & Universities
 2020 Council of Graduate Schools
 2016 Social Science Research Council
 2016 American Association for the Advancement of Science (AAAS)

2011 American Geophysical Union (AGU)
2010 American Planning Association (APA)
2007 American Society for Photogrammetry and Remote Sensing (ASPRS)
1998 Association of Pacific Coast Geographers (APCG)
1997 – 2009 American Congress on Surveying and Mapping (ACSM)
1997 – 2009 Cartography and Geographic Information Science Society (CaGIS)
1993 Association of American Geographers (AAG)