

**Shea Lemar**

Arizona State University ▪ School of Geographical Sciences and Urban Planning

Email: [shea.lemar@asu.edu](mailto:shea.lemar@asu.edu)**EMPLOYMENT**

- 2014-Present                    **Director** – Geospatial Research and Solutions, School of Geographical Sciences and Urban Planning, Arizona State University
- 2010-Present                    **Faculty Associate** – School of Geographical Sciences and Urban Planning, Arizona State University
- 2005-2014                        **GIS Project Manager** – Institute for Social Science Research, Arizona State University
- 2000-2005                        **Technology Support Analyst GIS** – University Technology Office, Arizona State University

**EDUCATION**

- Arizona State University        **M.A. Geography, 2007**  
Tempe, AZ
- Arizona State University        **B.S. Geography, Summa Cum Laude, 1997**  
Tempe, AZ

**HONORS AND AWARDS**

- 2021                                Esri Special Achievement in GIS Award for AZGeo
- 2020                                NSGIC Geospatial Excellence Award - Catalyst Project for AZGeo
- 2018                                Pulitzer Prize in Explanatory Reporting Winner (as part of team)
- 2014                                Best Overall Application Award in the Web Mapping Application Contest, AGIC Education & Training Symposium
- 2010                                President's Volunteer Award, Arizona Geographic Information Council
- 2009                                Friends of Arizona Geographic Alliance Award
- 2008                                Special Recognition Award, Arizona Geographic Information Council
- 1996                                Phi Beta Kappa, Arizona State University

**PROFESSIONAL ACTIVITIES**

2022 – Present	Arizona Geographic Information Council Past Chair
2022 – Present	Arizona Geographic Information Council Mentor
2022 – Present	Women in GIS Member
2022 – Present	National States Geographic Information Council GeoWomen Committee Co-Chair
2021 – Present	National States Geographic Information Council Member Resources WG Member
2021	Arizona Geographic Information Council Chair
2020 - 2021	AGIC AZGeo Advisory Committee Co-Chair
2020	Arizona Geographic Information Council Vice-Chair
2018 – 2020	Arizona Geographic Information Council Secretary
2019 - Present	AGIC Admin and Legal Committee Co-Chair
2015 - Present	Arizona Geographic Information Council Board Member
2010	Northern Arizona Power of Data Project Advisory Board Member
2006 - Present	AGIC Conference Committee Member
2006 - 2019	ASU GIS CareerFest Coordinator

**REFEREED PUBLICATIONS**

- 2020 Capasso Da Silva, Denise, David A. King, and Shea Lemar. 2020. Accessibility in Practice: 20-Minute City as a Sustainability Planning Goal. *Sustainability* 12, no. 1:129. <https://doi.org/10.3390/su12010129>
- 2005 Taylor, Emily N., Michael A. Malawy, Dawn M. Browning, Shea V. Lemar, Dale F. DeNardo. 2005. Effects of food supplementation on the physiological ecology of female Western diamond-backed rattlesnakes (*Crotalus atrox*). *Oecologia* 144(2):206-213.

**NON-REFEREED PUBLICATIONS**

- 2007 Lemar, Shea. 2007. Evaluating multidisciplinary in Higher Education: A GIS&T Case Study. MA thesis. Arizona State University.
- 2005 Lemar, Shea and Ruth Jensen. 2006. Supplying Better Graduates for the Geospatial Industry. *ArcNews*. Vol. 28, No. 2, p38, Summer 2006, ESRI.

**PROFESSIONAL PRESENTATIONS**

- 2022 Lemar, Shea. Areal Interpolation with Population Weighting. AGIC Symposium, Prescott, AZ, September 2022.
- Lemar, Shea. Using Drone Imagery to Map Urban Features. AGIC Symposium, Prescott, AZ, September 2022.
- Lemar, Shea. AZGeo Facilitated Discussion. AGIC Symposium, Prescott, AZ, September 2022.
- Lemar, Shea. AGIC Mentoring Program Panel Discussion. AGIC Symposium, Prescott, AZ, September 2022.
- 2021 Lemar, Shea. AZGeo Panel Discussion. AGIC Symposium, Prescott, AZ, October 2021.
- 2020 Lemar, Shea. AZGeo and Arizona's Open Data. AGIC Symposium, Prescott, AZ, October 2020.
- Lemar, Shea. Getting to Know AZGeo. AGIC Symposium, Prescott, AZ, October 2020
- 2011 Campisano, C.J., Lemar, S., Mitra, A., Thompson, E., Arrowsmith, J.R., Kim, J.G., Reed, K.E. & Kimbel, W. (2011). Google Earth and the Hadar Geoinformatics Project: an integrated data visualization platform for research and education in paleoanthropology. 3rd Conference of the East African Association for Paleoanthropology and Paleontology (EAAPP), Addis Ababa, Ethiopia
- Campisano, C.J., Lemar, S., Mitra, A., Arrowsmith, J.R., DiMaggio, E.N., Reed, K.E. & Kimbel, W. (2011). Google Earth and ArcGIS Server as database sharing tools for research and education in paleoanthropology: examples from the Hadar Geoinformatics Project. American Journal of Physical Anthropology 144(S52), 103.
- Lemar, S., Mitra, A. & Campisano, C.J. (2011). Developing Similar Applications for Totally Dissimilar Audiences. ESRI Southwest User Conference, Mesa, AZ, November 16-18, 2011.
- Lemar, S. 2011. Enhancing the Teaching of Geography Through the Use of GeoSpatial Technology. Arizona GeoConference, Mesa, AZ, September 24, 2011.
- 2007 Lemar, Shea. 2007. Free and Easy GIS Lesson. Microcomputers in Education Conference (MEC), Tempe, AZ, March 12-14, 2007.
- Lemar, Shea. 2007. GeoTreasure Hunt. Microcomputers in Education Conference (MEC), Tempe, AZ, March 12-14, 2007.
- 2006 Lemar, Shea. 2006. GIS in Education. Microcomputers in Education Conference (MEC), Tempe, AZ, March 11-13, 2006.
- 2005 Lemar, Shea and Thomas Stiles. 2005. Using Interactive Internet Sites in the Classroom. Microcomputers in Education Conference (MEC), Tempe, AZ, March 14-16, 2005.
- 2005 Lemar, Shea and Nancy Crocker. 2005. Bringing GIS Into the Classroom. Microcomputers in Education Conference (MEC), Tempe, AZ, March 14-16, 2005.
- 2004 Lemar, Shea. 2004. GIS Special Interest Network. Microcomputers in Education Conference (MEC), Tempe, AZ, March 13-15, 2004.

- 2003 Lemar, Shea. 2003. GIS Special Interest Network. Arizona GeoFest Conference, Tempe, AZ, October, 2003.
- Lemar, Shea. 2004. Incorporating Technology Into Teaching. Microcomputers in Education Conference (MEC), Tempe, AZ, March 12-14, 2003.
- 1999 Dillon, Deborah and Shea Lemar. 1999. AuThenTiCITY—Authentically Involving Youth in Community Problem Solving Through Mapping and Service Learning. ESRI International User Conference, San Diego, CA, July, 1999.
- 1998 Lemar, Shea. 1998. Finding a Job in the GIS Industry With Only a Geography Degree to Guide Me. ESRI International User Conference, San Diego, CA, July, 1998.

### **INVITED SPEAKER**

- 2022 Lemar, Shea. GIS, StoryMaps and Other Graphic Interfaces. Speaker. Professional Workshop in Public Scholarship at Arizona State University's Melikian Center, Tempe, AZ, September, 2022
- 2014 Lemar, Shea. Integrating GeoSpatial Technology in Education. Speaker. Arizona Geographic Alliance GeoDayTrip – GeoSpatial Technologies, Tempe, AZ, February 15, 2014
- 2013 Lemar, Shea. What are Geo-Technologies. Speaker. Arizona Geographic Alliance Summer Geography Institute, Tempe, AZ, May 1, 2013
- 2011 Lemar, Shea. Enhancing the Teaching of Geography Through the Use of GeoSpatial Technology. Speaker. Eighteenth Annual Arizona GeoConference, Mesa, AZ, September 27, 2011
- 2009 Lemar, Shea. GPS and GIS. Speaker. The Girls, Math & Science Partnership, Phoenix, AZ, October 17, 2009
- Introduction to GIS. Luncheon Speaker. Salt River Projects Females in Technology Luncheon, Tempe, AZ, March 24, 2009
- 2004 Lemar, Shea. ITC Literacy/Content Panel, NCGE Representative, Panelist. Tucson Forum on 21<sup>st</sup> Century Skills, Tucson, AZ, March 15-16, 2004.

### **POSTER PRESENTATIONS**

- 2006 Zoldak, Michael, Ruth Jensen, Ashish Amresh, Shea Lemar and Jana Hutchins. 2006. Workflows: GIS Data to a Visualization Environment. Central Arizona – Phoenix Long-Term Ecological Research (CAP LTER) Eighth Annual Poster Symposium, Tempe, AZ, January 19, 2006.
- 2005 Lemar, Shea, Charlene Saltz and Monica Elser. 2005. Middle School Students Performing University Level Environmental Work. Central Arizona – Phoenix Long-Term Ecological Research (CAP LTER) Seventh Annual Poster Symposium, Tempe, AZ, January 19, 2005.
- 2003 Lemar, Shea. 2003. Geographic Information Systems in Action at Arizona State University. Bureau of Land Management: Resource Management Tools Conference. Phoenix, AZ, April 21-25, 2003
- Crocker, Nancy and Shea Lemar. 2003. From Social Studies to Social Research: Geographic Information Systems in the Community. Continuums of Service Conference, Bellevue, WA, April, 2003.
- Lemar, Shea and Debra Banks. Student Outcomes in GIS Learning Applications. ESRI International User Conference, San Diego, CA, July, 2003.

**TEACHING EXPERIENCE** (2x = frequency)

GIS 601 Introduction to Geographic Information Systems (in person, ~22 students, 3x)  
 GIS 602 Intermediate GIS (in person, ~22 students, 3x)  
 GIS 605 GIS Project Planning and Implementation (in person, ~28 students, 4x)  
 GIS 610 Programming the GIS Environment (in person, ~25 students, 3x)  
 GIS 630 GIS Technologies (in person, ~22 students, 2x)  
 GIS 640 GIS for Business (in person, ~40 students, 2x)  
 GIS 650 GIS for the Internet (in person, ~25 students, 5x)  
 GIS 341 Introduction to Cartography and Georepresentation (online, 37 students, 1x)  
 GIS I (in person, ~50 students, 1x)  
 GIS II (in person, ~20 students, 1x)  
 GIS Service Learning Internship (in person, ~5 students, 4x)  
 Introduction to ArcView (in person, ~15 students, 4x)  
 GIS Internship (in person, ~25 students, 2x)  
 GIS Capstone (in person, ~2 students, 2x)  
 Applied GIS (in person, ~15 students, 1x)

**UNIVERSITY AND SCHOOL SERVICE**

2022 Chair: Hiring Committee: School of Geographical Sciences and Urban Planning, Arizona State University

2019 Chair: Hiring Committee: School of Geographical Sciences and Urban Planning, Arizona State University

2018 – Present Co-Lead: GIS Stakeholders Research Group – Lead a stakeholder’s group for professors at Arizona State University who are utilizing GIS in their research.

2017 – Present Director: Arizona State University GIS Graduate Certificate

2017 – Present SPARC Liaison: – Support research activities that overlap between ASU’s Geospatial Research and Solutions group and the Spatial Analysis Research Center (SPARC)

2016 Member: Hiring Committee: Map Library, Arizona State University

**COMMUNITY SERVICE**

2005 – 2009 GIS/GPS Classroom Special Teacher

2004 – 2006 Moderator, State Geography Bee

2004 Judge, State Geography Bee

2002 GIS Curriculum Developer, Hendrix Junior High