

STEVEN J. STEINBERG, Ph.D., MPA, GISP

Geographic Information Officer (GIO) Los Angeles County, California

Experienced geospatial professional, educator, and author with over 25 years of combined geospatial teaching, research, and leadership experience. A recognized thought leader in the development promotion and delivery of GIS applications, analysis, and education. A powerful advocate for the professional practice of GIS across a diverse range of applications.

Education

Ph.D. University of Minnesota, 1999. (Forestry / Geospatial Science)

Dissertation: "[Adoption-Diffusion of Internet-Based Information Systems in a Natural Resource Management Agency: An Early Adopter-Based Technology Transfer Model](#),"

Drs. Marvin Bauer and Steven Daley Laursen, Advisors.

Graduate Certificate, (Teaching Opportunities Program for Doctoral Students). University of Minnesota, 1996.

Master of Public Administration, University of Massachusetts Global, 2020.

Graduate Certificate, (Organizational Leadership). University of Massachusetts Global, 2020.

Master of Science (Natural Resources Policy and Management). University of Michigan, 1994.

Master's Project: "[Leelanau County Inland Lakes Project: A Study of Development and Water Quality within the Little Traverse and Lime Lake Watersheds](#)" Dr. Charles Olson, Advisor.

Graduate Certificate, (Remote Sensing). University of Michigan, 1994.

Bachelor of Science (Natural Resources; minor: Sociology). Kent State University, 1992.

Professional Certification and Continuing Education

Geographic Information Systems Professional, (GISP #59102): Geographic Certification Institute, Park Ridge, IL. Certified, March 25, 2008.

Certified Geospatial Educator (GeoEdC): National Geospatial Technology Center of Excellence (GeoTech Center), Louisville, KY. November, 2023.

Executive Leadership Development Program (ELDP): County of Los Angeles/University of Southern California, Los Angeles, CA. June 2021.

URISA *Leadership Academy*, April 3-7, 2017, San Diego, California (5.0 CEU)

ASPRS *sUAS Mapping Technical Demonstration and Symposium 2016*, Palm Springs (1.9 CEU) George Mason University, Arlington, VA., 2016.

ASPRS *sUAS Data Processing and Practical Overview*, (0.7 CEU) George Mason University, Arlington, VA., 2015.

ASPRS *UAS Mapping 2015 Reno*, (1.0 CEU) George Mason University, Arlington, VA., 2015.

URISA *An Overview of Open Source GIS Software*, (0.8 CEU), SoCal URISA, 2012.

Professional Experience

2018-Present: Geographic Information Officer (GIO) Los Angeles County, California.

2020-Present: Adjunct Professor, Department of Geography, Professional Masters in Geospatial Science Program, California State University Long Beach, Long Beach, CA.

- 2012-Present: Adjunct Professor, Geospatial Sciences, Department of Environmental Science and Management, Cal Poly Humboldt, Arcata, CA.
- 2020-2021: Adjunct Professor, Urban Policy and Planning Program, University of California, Irvine, Irvine, CA.
- 2018-2021: Adjunct Professor, and Subject Matter Expert, Geospatial Sciences, University of Massachusetts Global, Irvine, CA.
- 2011-2018: Principal Scientist and Department Head, Information Management and Analysis, Southern California Coastal Water Research Project (SCCWRP), Costa Mesa, CA.
- 2011-2014: California Environmental Data Exchange Network (CEDEN) Program Manager, under contract with State Water Resources Control Board, Sacramento, CA.
- 2012: Adjunct Professor, Geospatial Sciences, Chapman University, Orange, CA.
- 2009-2012: Professor, Geospatial Sciences, Department of Environmental Science and Management, Humboldt State University, Arcata, CA.
- 2007-2012: Research Associate, California Center for Rural Policy, Arcata, CA.
- 2006-2011: Founding Director, Institute for Spatial Analysis, Humboldt State University, Arcata, CA.
- 2005-2011: Co-Director, Klamath Watershed Institute, Humboldt State University, Arcata, CA.
- 2006-2007: Director, Environmental Research, California Center for Rural Policy, Arcata, CA.
- 2004-2009: Associate Professor, Geospatial Sciences, Department of Environmental Science and Management, Humboldt State University, Arcata, CA.
- 1998-2005: Founding Director, Advanced Spatial Analysis Facility, Humboldt State University, Arcata, CA.
- 1998-2004: Assistant Professor, Geospatial Sciences, Department of Environmental Science and Management, Humboldt State University, Arcata, CA.
- 1998: Lecturer, College of Arts and Sciences: Honors Division, Univ. of Minnesota, Minneapolis, MN.
- 1996-1997: Lecturer: College of Natural Resources, Univ. of Minnesota, St. Paul, MN.
- 1995-1997: Teaching Assistant: Dept. of Forest Resources, Univ. of Minnesota, St. Paul, MN.
- 1991: Student Conservation Association (SCA) Summer Intern, Recreation Division, United States Forest Service (USFS) Tongass National Forest, Ketchikan, Alaska.

Professional Appointments

- 2023 - Present GISCI Certification Committee
- 2022-2025: National Geospatial Advisory Committee (NGAC) 3D Elevation Program (3DEP) Subcommittee (Appointment by the Chair of the Federal Geographic Data Committee (FGDC), Assistant Secretary of the Interior for Water and Science Tanya Trujillo).
- 2020-2022: National Institute of Standards and Technology/NAPSG Foundation, i-Axis Committee on Developing a Best Practices Framework for Indoor Mapping, Tracking, and Navigation.

- 2007-2013: California Department of Water Resources, Salton Sea, Socioeconomic Focus Technical Group.
- 2008-2011: California Water Quality Monitoring Council Member (Appointment by Directors of CalEPA and California Resources Agency)

Selected Honors and Awards

- 2023: Barbara Hirsch Special Service Award, URISA: GIS Professional Association
- 2022: Exemplary Systems in Government Award, (Distinguished Enterprise System): URISA.
- 2022: Special Achievement in GIS (SAG) Award, Esri.
- 2015: Advancement of Collaboration Award, California Geographic Information Society.
- 2014: Ocean Leadership Award, West Coast Governors Alliance on Ocean Health.
- 2008: Fulbright Scholar, Senior Scholar, International Master's Degree Programme in Geoinformatics (GIMP). University of Helsinki, Finland.
- 2005: Fulbright Scholar, Distinguished Chair in Airborne Remote Sensing, Simon Fraser University, Burnaby, British Columbia, Canada.
- 2005: Alistair McCrone Promising Faculty Scholars Award, Humboldt State University.
- 1994-1998: Graduate Research Assistantship, Dept. of Forest Resources, Univ. of Minnesota.
- 1997: Teaching Leadership Award, Pew Charitable Trusts.
- 1993: Thesis Research Grant, Rackham School of Graduate Studies, Univ. of Michigan.
- 1989: Vigil Honor, Boy Scouts of America, Order of the Arrow. Toledo Area Council, Tindeuchen Lodge, 522.
- 1983: Eagle Scout, Boy Scouts of America, Toledo Area Council, Troop 268, Sylvania, OH.

Professional Association and Society Affiliations

- [American Society American Society for Photogrammetry and Remote Sensing ASPRS](#)
- [Fulbright Association](#)
- [International Society for Photogrammetry and Remote Sensing](#)
- [The Geospatial Professional Network](#) - Formerly: Urban & Regional Information Systems Association (URISA)

Honor Societies

- [Gamma Sigma Theta](#), National Honor Society for Geospatial Technology, inducted 2023.
- Sigma Xi, Scientific Research Society, inducted 1999.
- Gamma Sigma Delta, Honor Society of Agriculture, inducted 1997.
- Xi Sigma Pi, Honor Society of Forestry and Natural Resources, inducted 1993.

Publications

Books and Book Chapters:

- Steinberg, S.L., and **S.J. Steinberg**, (eds.)
[Resilient Communities Across Geographies](#). Esri Press. Redlands, California, 2021. ISBN: 9781589484818.
- Hallenbeck T.R., **S.J. Steinberg**, and Andy Lanier,
Informing Marine Debris Decision-Making with the West Coast Ocean Data Network by Extending Esri Geoportal Server in, [Ocean Solutions Earth Solutions 2nd Edition](#), D.J. Wright, Editor, Esri Press. Redlands, California, 2016. *Peer Reviewed Chapter*.
- Steinberg, S.L., and **S.J. Steinberg**,
[GIS Research Methods: Incorporating Spatial Perspectives](#). Esri Press. Redlands, California, 2015. ISBN: 978-1589483781.
- Schaffner, R.A., **S.J. Steinberg**, and K.C. Schiff,
A GIS Tool to Compute a Pollutant Exposure Index for the Southern California Bight, Chapter 6 in, [Ocean Solutions Earth Solutions](#), D.J. Wright, Editor, Esri Press. Redlands, California, 2014. ISBN: 9781589483637 *Peer Reviewed Chapter*.
- Hallenbeck, T.R., T. Welch, **S.J. Steinberg**, and A. Lanier
Extending Esri Geoportal Server to Meet the Needs of the West Coast Ocean Data Network and Inform Regional Ocean Management, Chapter 9 in, [Ocean Solutions Earth Solutions](#), D.J. Wright, Editor, Esri Press. Redlands, California, 2014. ISBN: 9781589483637 *Peer Reviewed Chapter*.
- Steinberg, S.J.** and S.L. Steinberg,
Geospatial Analysis Technology and Social Science Research, in: [Handbook of Emergent Technologies](#), Sharlene Hesse-Biber, Editor, Oxford University Press, 2011. ISBN: 9780195373592.
- Steinberg, S.L., and **S.J. Steinberg**,
Global Women Superheroes: Place, Space and Action, in: [Women's Encounter with Globalization](#), Dasgupta, Driskell, Yeates and Braun, Editors. Front Page Publications, London, UK, 2010. ISBN: 9788190884181.
- Steinberg, S.L., and **S.J. Steinberg**,
A Sociospatial Approach to Globalization: Mapping Ecologies of Inequality, in: [Understanding the Global Environment](#), pp 99-117. Samir Dasgupta, Editor. Pearson Longman, Delhi, India, 2009. ISBN: 9788131717028.
- Amoussou, GA and **S.J. Steinberg**, Conference Chairs.
[Proceedings of the 2007 Symposium on Science of Design](#), ACM International Conference Proceeding Series ACM Digital Library. ISBN: 9781605584362.
- Steinberg, S.J.** and S.L. Steinberg,
Geographic Information Systems for the Social Sciences: Investigating Space and Place, SAGE Publications, Thousand Oaks, California, 2006. ISBN: 0761928723.

Peer Reviewed Papers:

- Ocón, J.P., E.N. Stavros, **S.J. Steinberg**, J. Robertson and T.W. Gillespie
Remote sensing approaches to identify trees to species-level in the urban forest: A review.
Progress in Physical Geography, 2024. <https://doi.org/10.1177/03091333241252520>
- Arnold, B.F., K.C. Schiff, A. Ercumen, J. Benjamin-Chung, J.A. Steele, J.F. Griffith, **S.J. Steinberg**, P. Smith, C.D. McGee, R. Wilson, C. Nelsen, S.B. Weisberg, and J.M. Colford Jr.
Acute Illness Among Surfers After Exposure to Seawater in Dry- and Wet-Weather Conditions.
American Journal of Epidemiology, Volume 186, Issue 7, 1 October 2017, Pages 866–875,
<https://doi.org/10.1093/aje/kwx019>
- Crain B.J., A.M. Sánchez-Cuervo, J.W. White and **S.J. Steinberg**,
[Conservation Ecology of Rare Plants within Complex Local Habitat Networks](#). Oryx, 49,
04:696-703, 2015.
- Crain, B., White, J.W. and **S.J. Steinberg**,
[Geographic Discrepancies between Global and Local Rarity Richness Patterns and the Implications for Conservation](#), Biodiversity and Conservation, Vol. 20, pp. 3489-3500, 2011.
- Kauffman-Axelrod, J.L. and **S.J. Steinberg**,
[Development and Application of an Automated GIS Based Evaluation for Prioritization of Wetland Restoration Opportunities](#), *Wetlands*, Vol.30, No.3, pp. 437-448, 2010.
- Degagne, R.S., T.W. Henkel, **S.J. Steinberg**, and L. Fox III,
[Identifying *Dicymbe corymbosa* Monodominant Forests in Guyana Using Satellite Imagery](#),
Biotropica, Vol. 41, No. 1, pp. 7-15, 2009.
- Judd, C., **S.J. Steinberg**, F.A. Shaughnessy, and G.B. Crawford,
[Mapping salt marsh vegetation using aerial hyperspectral imagery and linear unmixing in Humboldt Bay, California](#). *Wetlands*, Vol. 27, No. 4, pp. 1144–1152, 2007.
- O’Neal, C.B., J.D. Stuart, **S.J. Steinberg**, and L. Fox III,
[Geographic analysis of natural fire rotation in the California redwood forest during the suppression era](#), *Fire Ecology*, Vol. 2, No. 1, pp 73-99, 2006.

Conference Proceedings Papers:

- Steinberg, S.J.**, S.L. Steinberg, J.M. Barnes, and S.M. Keeble,
[Sociospatial network analysis for rural economic development](#). *In: American Society for Photogrammetry and Remote Sensing, Annual Proceedings*, 2010.
- Davidson, J.L., A.E. Smith, GA. Amoussou, **S.J. Steinberg**,
A framework using service oriented architecture in a community information and referral system. *In: Journal of Computing Sciences in Colleges*, Volume 24, Issue 4, April, 2009.
- Lumbert, J., GA Amoussou, and **S.J. Steinberg**,
[Community-Based Disaster Response Design Using an Open Source GIS](#). *In: American Society for Photogrammetry and Remote Sensing, Annual Proceedings*, 2007.
- Amoussou, GA., E. Cashman, and **S.J. Steinberg**,
[Ways to Learn and Teach Creativity and Design in Computing Science](#), 1st ACM Science of Design International Symposium Proceedings, 2007.
- Amoussou, GA., E. Cashman, and **S.J. Steinberg**,
Building an Interdisciplinary Community to Learn and Teach Creativity and Design”, 2nd International Conference on Design Science Research in Information Systems and Technology, 2007.

- C. Judd and **S.J. Steinberg**,
[Mapping Submerged Macrophytes: Using Multi-Range Spectral Feature Fitting To Map Submerged Eelgrass In A Turbid Estuary](#). *In: American Society for Photogrammetry and Remote Sensing, Annual Proceedings, 2007.*
- Steinberg, S.J.**, I.P. McGovern, J.D. Stuart, and C.A. Lee,
 Comparing multiple resolution imagery for vegetation sampling planning. *In: American Society for Photogrammetry and Remote Sensing, Annual Proceedings, 2003.*
- Patton, J., and **S.J. Steinberg**,
 Humboldt Bay, CA Interagency Decision Support System, *In: American Society for Photogrammetry and Remote Sensing, Annual Proceedings, 2001.*
- Hass, M.D., and **S.J. Steinberg**,
 Geographic information systems in rural area natural resources planning processes: remote data accessibility and technology. *In: American Society for Photogrammetry and Remote Sensing, Annual Proceedings, 2000.*
- Steinberg, S.J.** and S.B. Daley Laursen,
 ForNet: The Design and Implementation of an Internet-based, Interactive Natural Resource Remote Sensing and GIS System for Natural Resource Managers. *In: American Society for Photogrammetry and Remote Sensing, Annual Proceedings, 1999.*
- Steinberg, S.J.** and S.B. Daley Laursen,
 ForNet: Delivering Spatial Data to Natural Resource Managers and the Public. *In: Proceedings of Society of American Foresters National Conference, 1997.*
- Steinberg, S.J.**, C.H. Perry and S.B. Daley Laursen,
 Factors Influencing Success in Preparing Future Faculty. *In: Proceedings of Sixth National Conference on the Education and Employment of Graduate Teaching Assistants, 1997.*
- Steinberg, S.J.** and M.E. Bauer,
 Remote Sensing Systems for the 21st Century. *In: Proceedings of the Minnesota GIS/LIS Consortium, 7th Annual Conference, St. Cloud, Minnesota.*
- Bauer, M.E., C.A. Sersland and **S.J. Steinberg**,
 A Land Cover Classification of the Twin Cities Metropolitan Area Using Landsat TM. *In: Proceedings of the Thirteenth William T. Pecora Memorial Remote Sensing Symposium, Sioux Falls, SD. 1996.*

Research and Technical Reports:

- Steinberg, S.J.**, and S.L. Moore
[San Diego Bay Fish Consumption Study](#). Technical Report 976. Southern California Coastal Water Research Project Authority. Costa Mesa, CA. 2017.
 DOI: 10.13140/RG.2.2.14152.32008
- Steinberg, S.J.**, and M. Hankin,
[San Diego Integrated Regional Water Management Data Management System Basic Design Recommendations](#). Technical Report 878. Southern California Coastal Water Research Project Authority. Costa Mesa, CA. 2015. DOI: 10.13140/RG.2.1.1220.6169
- Azimi-Gaylon, S., S. Fong, P. Goodwin, T. Hale, G. Isaac, A. Osti, F. Shilling, T. Slawecki, **S.J. Steinberg**, M. Tompkins, L. Videmsky,
[Enhancing the Vision for Managing California's Environmental Information](#). Technical Report 884. Southern California Coastal Water Research Project Authority. Costa Mesa, CA. 2015.

Case III, H.L., J. Boles, A. Delgado, T. Nguyen, D. Osugi, D.A. Barnum, D. Decker, **S.J. Steinberg**, S.L. Steinberg, C. Keene, K. White, T. Lupo, S. Gen, and K.A. Baerenklau, [Salton Sea ecosystem monitoring and assessment plan](#): U.S. Geological Survey Open-File Report 2013-1133, 220 p.

Steinberg, S.L., **S.J. Steinberg**, E. Eschker, S.M. Keeble, and J.M. Barnes, [Rural Ethnic Entrepreneurship: A Spatial Networks Approach to Community Development](#), Report to the Ford Foundation, California Center for Rural Policy/Institute for Spatial Analysis, May 2010. 139 pp.

Steinberg, S.J., [North Coast Marine Information System](#), Report to the Resource Legacy Fund Foundation, Institute for Spatial Analysis, July 2008.

Steinberg, S.J. and Sheila L. Steinberg, [People, Place and Health: A Sociospatial Perspective of Agricultural Workers and their Environment](#), California Center for Rural Policy/Institute for Spatial Analysis, for the California Endowment, 2008. 102 pp.

Steinberg, S.J. and Sheila L. Steinberg, [People, Place and Health: A Pesticide Atlas of Monterey County and Tulare County, California](#), California Center for Rural Policy/Institute for Spatial Analysis, for the California Endowment, 2008. 151 pp.

Steinberg, S.J., M.D. Smith and M.O.A. Gough, [McKinleyville Community Planning Area Residential Development Analysis](#), Humboldt State University Department of Environmental and Natural Resource Sciences, for the Healthy Humboldt Coalition, March 17, 2007. 35 pp.

Fox, L., J.D. Stuart, and **S.J. Steinberg** [Using High Resolution Satellite Imagery and Feature Extraction Software for Vegetation Mapping at the Whiskeytown National Recreation Area, Redding, California](#). Final Report: to the National Park Service, Task Agreement No. J8530030078. February 15, 2006. 31pp.

Fox, L., **S.J. Steinberg**, and J.D. Stuart [Vegetation Map Accuracy Assessment](#) Final Report: to the National Park Service, Task Agreement No. J8530030078. February 15, 2006. 21pp.

Smith, M.D., and **S.J. Steinberg**, [Room to Grow? An Assessment of the Potential for Unincorporated Humboldt County to Accommodate Future Projected Population Growth](#), Humboldt State University Department of Environmental and Natural Resource Sciences, for the Resource Legacy Fund Foundation, January 2005. 71 pp.

Chitty, J.D., P.M. Gugg, **Steinberg, S.J.**, Townsend, S.G.; and Urioste, J.A. [The Black River: a comprehensive study of physical and chemical characteristics and their potential management implications](#). University of Michigan Biological Station, 1992. 50pp.

Articles:

Romo, F., K. Mickey, **S.J. Steinberg**, and R. Layko [At All Career Levels, Mentoring Drives Success](#). *In: ArcNews*, Fall 2021.

Steinberg, S.J., [The Value of Spatial Thinking in Government](#), *In: CIO Applications Magazine*, Fall 2019.

Steinberg, S.J.,

[Los Angeles County's Vision for ArcGIS Indoors](#), *In: ArcNews*, Spring 2019.

Steinberg, S.J., S.L. Steinberg and D. Zalavaris-Chase,

[Archaeological Applications of GIS: Developing a Predictive Model of the Wiyot Cultural Area in Northwest Coastal California](#), *CSU Geospatial Review: Geographic Information Science in the California State University System*, Vol. 9, p. 4. Spring, 2011.

Steinberg, S.J., S.L. Steinberg and S.M. Keeble,

[Using PPGIS to Study Rural Ethnic Entrepreneurship](#), *CSU Geospatial Review: Geographic Information Science in the California State University System*, Vol. 8, p. 5. Spring, 2010.

Huggett, B., and **S.J. Steinberg,**

[Bathymetric Mapping](#), *CSU Geospatial Review: Geographic Information Science in the California State University System*, Vol. 7, p. 4. Spring, 2009.

Degagne, R.S. and **S.J. Steinberg,**

["Seeing" the Forest for the Trees: Using Satellite Imagery to Study Tropical Forests in Guyana](#), *CSU Geospatial Review: Geographic Information Science in the California State University System*, Vol. 6, pp. 1-2. Spring, 2008.

VanArsdale, J., S.L. Steinberg, and **Steinberg, S.J.,**

[Child Poverty, 2000: California Center for Rural Policy \(CCRP\)](#), *CSU Geospatial Review: Geographic Information Science in the California State University System*, Vol. 5, pg. 4. Spring, 2007.

Kirk, T.A. and **S.J. Steinberg,**

[Multiple-scale habitat modeling for the American marten using GIS and Remote Sensing](#), *CSU Geospatial Review: Geographic Information Science in the California State University System*, Vol. 4, pg. 7. Spring, 2006.

Kirk, T.A. and **S.J. Steinberg,**

[Modeling Marten Habitat for Conservation](#), *CSU Geospatial Review: Geographic Information Science in the California State University System*, Vol. 2, pp. 1-2. Spring, 2004.

Presentations:

Invited Talks:

Steinberg, S.J.

Invited Panelist, *Professional Development and Mentorship Panel (representing URISA)* presented at the joint CaGIS and UCGIS symposium, Columbus, OH, June 3-6, 2024.

Steinberg, S.J.

Invited Speaker, *Geospatial Government: Leveraging Location Data to Inform Local Government Challenges*. USC Dornsife Center for the Political Future, hosted by [Mr. Ron Galperin](#), USC Fellow and former Controller and CFO, City of Los Angeles, February 7, 2024.

Steinberg, S.J.

Invited Panelist, [Best Practice Standards for Citizens' Access to Spatial Records Held by Local Governments](#). URISA GIS-Pro, Columbus, OH, October 16-19, 2023.

Steinberg, S.J.

Invited Panelist, [The Importance of Mentoring](#). URISA GIS-Pro, Columbus, OH, October 16-19, 2023.

Steinberg, S.J.

Invited Panelist, [Gathering of GIOs](#). URISA GIS-Pro, Columbus, OH, October 16-19, 2023.

Steinberg, S.J.

Invited Panelist, Making the Long Beach region work better for urban education and its learners: Institute for the Future's Futures of Urban Education Workshop, California State University Long Beach College of Education, Long Beach, CA, August 1, 2023.

Steinberg, S.J., and A. Dang

[Why and How YOU Should Build a Regional Imagery Consortium](#), EagleView, Back to the FutureView, San Antonio, Texas April 24-26, 2023.

Steinberg, S.J., S.L. Steinberg, J. Colby-George, and A. Ibaugh

Invited Panelist, Professional Development and Career Panel: [URISA Big 10 Alumni Panel](#), Big Ten Academic Alliance GIS Conference, November 15, 2022

Steinberg, S.J.

[Emerging Geospatial Applications in Local Government: How the County of Los Angeles leverages geospatial capabilities to support planning and decision-making](#). Keynote Presentation, County of Santa Clara, California, GIS Day, November 2, 2022.

Alvarez, R., J.R. González, S. Baccus Hooks, B. Le, and S.J. Steinberg

How Los Angeles is Deleting the Divide, Invited Panelist, AnchorNETS 10th Annual SHLB Conference, Washington, D.C., October 13th, 2022.

Steinberg, S.J.

[Geospatial Applications of sUAS, Airborne, and Spaceborne Imagery for Local Government](#), American Institute of Aeronautics and Astronautics, Los Angeles-Las Vegas Section, Long Beach, California, September 28, 2022.

Steinberg, S.J.

Leveraging Location Analytics for Local Government (...or: Why you should get to know your GIO), California Association of Clerks and Election Officials (CACEO), Burbank, California, July 28, 2022.

Steinberg, S.J.

The Los Angeles Region Imagery Acquisition Consortium (LARIAC), California Water Data Consortium: Cross-Sector Workshop on LiDAR Derived Data Products, May 16, 2022.

Steinberg, S.J.

Using Geospatial Tools as a Method of Community Engagement and Policy Change, Alumni Thematic International Exchange Seminars (Alumni TIES): Environmental Diplomacy and its Impact on American Society, Denver, Colorado, April 18-22, 2022.

Steinberg, S.J.

Invited Speaker, *The Evolution of Geospatial Applications in Local Government: Applications and Opportunities for GIS, Imagery, and Machine Learning*, Loyola Marymount University, October 21, 2021.

Dhaliwal, J., J. Holm, T. Mullen, and S.J. Steinberg

[Data Challenges & Opportunities to Achieve Digital Equity](#), Invited Panelist, DataCon LA 2021, September 29, 2021.

Steinberg, S.J.

The Evolution of Geospatial Applications in Local Government: Applications and Opportunities for GIS, Imagery and Machine Learning, Invited Speaker, Cal Poly Pomona Geomatics Conference, September 9, 2021.

Steinberg, S.J.

[GIS, Location Data, Imagery and Machine Learning: Applications and Opportunities using Geospatial Information in Local Government](#), Invited Speaker, Association of Computing Machinery, Orange County Chapter, July 21, 2021.

Steinberg, S.J.

[Disaster Response During a Pandemic](#), Invited Panelist, The National Academy of Science, Geographical Sciences Committee, May 20, 2021.

Steinberg, S.J., S.L. Steinberg and T. Townsend

GIS for Community Resilience, Invited Workshop, 29th Annual GIS In Action Conference, April 19-22, 2021.

Steinberg, S.J.

Invited Speaker, *Everything happens somewhere: GIS Supporting Local Government (and how I got here)*, Chapman University, March 29, 2021.

Battersby, S, E Geraghty, S.J. Steinberg, E.D. Kemp Weitzman and A. Wu

Data and Dashboards: Using GIS to Communicate in Crises, Invited Panelist, University of Southern California: 2021 Virtual Los Angeles Geospatial Summit, February 26, 2021.

Cabrera, C.I., B Currier, C. Baker, S.J. Steinberg, K. Sigwart and S. Steffenson

[California Dreamin'... for Collaboration](#), Invited Panelist, National States Geographic Information Council, Virtual Midyear Meeting, Interactive Workshop and Innovation Summit, February 23-25, 2021.

Steinberg, S.J.

GIS, Supporting Local Government: Where is my data? Invited Speaker, South Bay Cities Council of Governments, February 2, 2021.

Steinberg, S.J.

[Mapping the Digital Divide: Understanding the Geography of Access Using Location Analytics](#), Invited Speaker, California Clerk of the Board of Supervisors Association, Annual Conference, November 12-19, 2020.

Steinberg, S.J.

Invited Speaker, *Location Analysis in Local Government: Geospatial in the County of Los Angeles*, Loyola Marymount University, October 8, 2020.

Steinberg, S.J.

Geospatial Government: Developing Location Intelligence for LA County, Invited Speaker and Panelist, Los Angeles County Management Council, September 30, 2020.

Steinberg, S.J.

[Letting go of Ego](#). GIS Success, Virtual Leadership Summit, July 28-29, 2020.

Steinberg, S.J.

Leadership Communication, Invited Panelist, GIS Success, Virtual Leadership Summit, July 28-29, 2020.

Steinberg, S.J.

[URISA Pandemic Panel: Perspectives from Across the Country](#), Invited Panelist, URISA International Webinar, April 30, 2020

Steinberg, S.J.

[Dealing with Transitions in Your Geospatial Career](#), Invited Panelist, URISA/Directions Magazine, August 7, 2019

Steinberg, S.J.

[GIS for Government: Answering the Big Questions](#), Invited Panelist, URISA International Webinar, May 29, 2019.

Steinberg, S.J.

Geospatial Government: Leveraging Data for the County of Los Angeles. Claremont Graduate University Center for Information Systems & Technology, Edge Speaker Series, November 15, 2019.

Steinberg, S.J.

Addressing Collaboration Through Innovation and Automation. Keynote Address at 1Spatial, Smarter Data Smarter World, London, England, UK, November 19, 2019.

Steinberg, S.J.

Where is my data? Data and Donuts LA, May 14, 2019. Los Angeles, California.

Steinberg, S.J.

Geospatial tools to inform resilience. Los Angeles County Parks & Recreation 17th Annual Park Summit – 8 May 2019, Arcadia, California.

Steinberg, S.J.

[Pioneering Smart Workplace Operations](#). Esri CIO Summit, April 10-11, 2019. Redlands, California.

Steinberg, S.J., N. Nezlin, and D.W. Diehl,

[Using small unmanned aerial systems \(sUAS\) for environmental mapping and monitoring](#). Watershed Health Indicators and Data Science Symposium, June 29-30, 2017. Sacramento, California.

Steinberg, S.J.

Concepts of Participatory Mapping. West Coast Tribal Caucus, April 20, 2017. Sacramento, California.

Steinberg, S.J.

Imaging and Visualization Technologies for Environmental Monitoring and Assessment. California Regional Water Quality Control Board, San Diego Region, April 12, 2017. San Diego, California.

Steinberg, S.J.

The Big What For: why share your data? Invited Panelist, Environmental Protection Agency, 2017 Tribal Exchange Network Conference, February 27-March 1, 2017, Alpine, CA.

Steinberg, S.J.,

A Geospatial journey...or how I discovered GIS and made a career of it (and you can too)! Invited presentation at Shasta College GIS Day, Redding, CA. November 16, 2016.

Steinberg, S.J.,

Data Management Plans (DMP): An Overview, Invited presentation to the California Interagency Ecological Program: Data Utilization Work Group, Webinar, August 24, 2016.

Steinberg, S.J.,

[Cellscape Aquatic: A high quality cellphone-microscope for field data collection](#). Invited presentation and workshop. Monterey Bay Aquarium Research Institute (MBARI), Moss Landing, CA, October 28-29, 2015.

Steinberg, S.J.,

A Geospatial Journey. Invited presentation at Palomar Community College GIS Day, San Marcos, CA. November 19, 2014.

Steinberg, S.J.,

The California Environmental Data Exchange Network (CEDEN): A Statewide Data System for Ambient Water Quality Data. Invited presentation at the California Environmental Data Summit, June 5-6, 2014 - Davis & Sacramento, CA.

Steinberg, S.J.,

Developing a Water Quality Index for Southern California Reef Habitats: A spatially explicit pollution model for the Southern California Bight, Invited presentation at ASPRS Southwest US Region Technical Meeting, San Diego State University, April 18, 2014, San Diego, CA.

Steinberg, S.J.,

Consideration of Anticipated Sea Level Rise on Restoration Strategies for Southern California Coastal Wetlands, Orange County Regional Sea Level Rise and Coastal Impacts Workshop, University of California, Irvine Beckman Center of the National Academies of Sciences and Engineering, February 23, 2015.

Steinberg, S.J.,

Developing a Statewide Water Quality Data and Analysis System for California. Invited presentation at the Klamath Basin Monitoring Program Fall Meeting, November 9-10, 2011, Arcata, CA.

S.L. Steinberg and **S.J. Steinberg,**

People, Place and Health: A Sociospatial Perspective of Agricultural Workers and Their Environment. Presentation to Annual Board of Directors Meeting, California State Rural Health Association. Sacramento, California. June 19, 2009.

Steinberg, S.J. and S.L. Steinberg

Mapping Pesticide Exposure with Community-Based Knowledge: Increasing Community Power with Mapping. Presented at the 2007 Agricultural Worker Health Initiative Conference: Cultivando Cambio Para el Futuro, Sacramento, CA, August 22-24, 2007.

Steinberg, S.J.,

McKinleyville Community Planning Area Residential Development Capacity Analysis. Presented at the Humboldt County League of Women Voters, Eureka CA, March 17, 2007.

Steinberg, S.J.,

Science Panel: The Search for Common Ground. Invited Panelist, Klamath Watershed Conference, Redding, CA, November 7-9, 2006.

Steinberg, S.J.,

Feature Extraction for Vegetation Mapping from High Resolution Multispectral Imagery. Presented at the Centre for Scientific Computing, Simon Fraser University, Burnaby, British Columbia, Canada, February 4, 2005.

Steinberg, S.J. and D. Renwick,

webGIS for Economic Development (and Beyond). Presented at the Warfinger Building, Eureka, CA, December 13, 2004.

Steinberg, S.J. and M. Perry,

Spatial Information Systems in the Internet Age: An introduction to Internet based mapping technology. Presented at the Redwood Technology Consortium: Tech Expo, Eureka, CA, April 30, 2004.

Steinberg, S.J.,

Spatial analysis projects and research activities at HSU. Presented at the Redwood Technology Consortium: Tech Expo, Eureka, CA, May, 2003.

Steinberg, S.J.,

Mapping Topologies and Geographic Information System Analysis, Vectors or Grids?
Presented at Humboldt State University Math Department Colloquium, September 26, 2002.
Seminar.

Steinberg, S.J.,

Spatial Data in the Internet Age: The Evolution of GIS and Remote Sensing. Presented at the
United State Geological Survey, Denver, CO, March, 1998.

Refereed Conferences:

Ocón, J. P., Gillespie, T. W., Ordway, E., **Steinberg, S.J.**, and Robertson, J.

Branching Out: Optimizing the management of Los Angeles County's street trees with remote sensing—A collaboration with public-sector stakeholders for solution-based science. AGU23, December, 2023. *Poster Presentation.*

Alvarez, M., **S.J. Steinberg**, S. Steffenson, and R.R. Marquez

Data Foundations for Support and Automation. URISA GIS-Pro, Columbus, OH, October 16-19, 2023. *Panel Presentation.*

S.J. Steinberg, and T. Townsend

Current Topics in Community Resilience & Sustainability. URISA GIS-Pro, Columbus, OH, October 16-19, 2023. *Panel Presentation.*

Steffenson, S., **S.J. Steinberg**, R.R. Marquez, and N. Lee

Implementing Configurable NG9-1-1 GIS Solutions. URISA 60th Annual GIS-Pro Conference, Boise, ID, October 2 – 6, 2022. *Panel Presentation.*

Steinberg, S.J., S. Julius, and R. Graham

Mapping Equity: The Los Angeles County Equity Explorer. URISA 60th Annual GIS-Pro Conference, Boise, ID, October 2 – 6, 2022. *Presentation.*

Steinberg, S.L., and **S.J. Steinberg**

Applications of GIS for Community Resilience Across Geographies. URISA 60th Annual GIS-Pro Conference, Boise, ID, October 2 – 6, 2022. *Presentation.*

Steinberg, S.J.

Leveraging GIS as a motivator to delete the digital divide in Los Angeles County. Esri Education Conference, San Diego, CA, July 9 – 10, 2022. *Presentation.*

Steinberg, S.J., R.R. Marquez, M. Holmes, S. Steffenson and K. Sigwart.

Essential Uses of GIS Data in Next Generation 9-1-1. URISA, GIS-Pro 2020, Virtual Conference, October 29 – October 2, 2020. *Panel Presentation.*

Steinberg, S.J., T.P. Fisher, R.R. Rodriguez, K. Sigwart and S. Steffenson

Addressing How We Are Alike And Different For A Better NextGen 911 Chapter IV A New Hope. URISA, GIS-Pro 2019, New Orleans, LA. September 28 – October 2, 2019. *Panel Presentation.*

Steinberg, S.J., A. Lanier and A. Bailey,

The West Coast Ocean Data Portal, Esri Oceans GIS Forum, November 1-3, 2016. Redlands, CA. *Presentation.*

Steinberg, S.J., S. Moore and P. Smith,

[A Geospatial Survey of Anglers to Assess Fish Consumption from San Diego Bay.](#) European Sociological Association, Qualitative Methods: Qualitative Methods and Research Technologies Summit, September 1-3, Krakow, Poland. *Presentation*

- Steinberg, S.J.** and J. Hunt,
Temporal Visualization to Inform Wetland Restoration in Southern CA, 2016 Esri International User Conference, San Diego, CA. June 27-July 1, 2016. *Presentation*
- Steinberg, S.L., and **S.J. Steinberg**,
GIS for Community Resilience, 2016 Esri International User Conference, San Diego, CA. June 27-July 1, 2016. *Presentation*
- Steinberg, S.J.**, S. Moore and P. Smith,
A Geospatial Survey of Anglers to Assess Fish Consumption from San Diego Bay. CalGIS 2016: 22nd Annual California GIS Conference, May 10-12, Anaheim, California. *Presentation*
- Moore, S., **S.J. Steinberg**, and P Smith,
A Survey of Anglers to Assess Fish Consumption from San Diego Bay. Southern California Academy of Sciences Annual Meeting - May 6-7, 2016, University of Southern California, Los Angeles, California. *Presentation*
- Steinberg, S.J.** and M.D. Howard,
[Cellscape Aquatic: A Lab Quality, Portable Cellphone-Based Microscope for On-Site Collection of Algae Images](#). 2016 Ocean Sciences Meeting, New Orleans, LA. February 21-26, 2016. *Presentation*.
- Steinberg, S.J.** and S.L. Moore,
[Turning Data into Information for Stormwater Decision Makers: A Web-Based Program Management Dashboard](#). CASQA's 11th Annual Conference, Monterey, CA. October 19-21, 2015. *Presentation*
- Steinberg, S.J.**,
Temporal Visualization to Inform Wetland Restoration in Southern California. CalGIS: 21st Annual California GIS Conference. Sacramento, CA. June 1-3, 2015. *Presentation*.
- Steinberg, S.J.**, and A. Santana,
Mapping Stormwater Plume Interactions With Southern California Bight Marine Protected Areas (MPAs). CalGIS: 21st Annual California GIS Conference. Sacramento, CA. June 1-3, 2015. [Poster Presentation](#).
- Steinberg, S.J.**,
The West Coast Ocean Data Portal. Esri International Users Conference, San Diego, CA. July 20-23, 2015. *Presentation*
- Hallenbeck, T.R., **S.J. Steinberg**, and A. Lanier,
Assessing Marine Debris Policies with the West Coast Ocean Data Portal. Esri International Users Conference, San Diego, CA. July 20-23, 2015. *Poster Presentation*.
- Steinberg, S.J.**, and A. Santana,
Mapping Stormwater Plume Interactions With Southern California Bight Marine Protected Areas (MPAs). Esri International Users Conference, San Diego, CA. July 20-23, 2015. *Poster Presentation*.
- Steinberg, S.J.**,
[A Lab Quality, Portable Cellphone-Based Microscope for Field Data Collection](#). Annual Meeting of the Southern California Academy of Sciences, Loyola Marymount University, Los Angeles, CA. May 16-16, 2015. *Presentation*.
- Steinberg, S.J.**, and B. Fetscher,
[A high quality cellphone-based portable microscope for streamside data collection](#). Ninth National Monitoring Conference, Cincinnati, OH, April 28 – May 2, 2014. *Presentation*.

- Steinberg, S.J.**, L. Cooper, P. Smith, A. Santana, and C. Gruebele,
[Implementing Mobile Devices as Field Computers for Environmental Data Acquisition.](#)
ASPRS 2014 Annual Conference, Louisville, KY. March 26 - 28, 2014. *Presentation.*
- Schaffner R.A., **S.J. Steinberg**, K. Schiff, N. Nezlin, and P. Rogowski,
Spatial analysis of natural and anthropogenic pollutant exposure in rocky reefs and Marine Protected Areas (MPA), Esri Oceans GIS Forum, November 5-7, 2013. Redlands, CA. [Poster Presentation.](#)
- Steinberg, S.J.**,
The California Environmental Data Exchange Network (CEDEN): A Statewide Water Quality Monitoring System for California, 33rd Intl. Symposium – North American Lake Management Society (NALMS). Oct. 30 - Nov. 1, 2013, San Diego, CA. *Presentation.*
- Steinberg, S.J.**,
The California Environmental Data Exchange Network (CEDEN): A Statewide Water Quality Monitoring and Visualization System for California, 33rd Intl. Symposium – North American Lake Management Society (NALMS). Oct. 30 - Nov. 1, 2013, San Diego, CA. [Poster Presentation.](#)
- Steinberg, S.J.**, S. Moore and P. Smith,
[An Open Source System to Compute and Geospatially Visualize Benthic Indices](#), CalGIS: 19th Annual California GIS Conference, April 15 - 17, 2013, Long Beach, CA. *Presentation.*
- Steinberg, S.J.**, A. Santana and M. Hang,
[Developing a Remote, Multi-Camera Image Acquisition System for Beach Monitoring](#), CalGIS: 19th Annual California GIS Conference, April 15 - 17, 2013, Long Beach, CA. *Presentation.*
- Steinberg, S.J.** and K. Jacobs,
[The California Environmental Data Exchange Network \(CEDEN\): A statewide water quality monitoring and visualization system for California](#), The 8th National Monitoring Conference, April 30 – May 4, 2012, Portland, OR. *Presentation.*
- Cooper, L., and **S.J. Steinberg**,
[Turning BeachWatch data into information](#). CalGIS: 18th Annual California GIS Conference, April 11-13, 2012, Sacramento, CA. *Presentation.*
- Moore, S.L., P. Smith, and **S.J. Steinberg**,
[An open source system for data management and geospatial visualization of integrated benthic indices](#). American Water Resources Association 2012 Spring Specialty Conference on GIS and Water Resources VII, March 26-28, 2012, New Orleans, LA. *Presentation.*
- Steinberg, S.J.**
Developing a Statewide Water Quality Data and Analysis System for California. 18th Annual Meeting of the California Aquatic Bioassessment Workgroup. November 9, 2011, Davis, CA. *Presentation.*
- Steinberg, S.J.**, W. Gilkerson and F.J. Shaughnessy,
[A geospatial model of eelgrass \(Zostera marina\) habitat availability in Humboldt Bay, California](#), 34th Applied Geography Conference, October 19-21, 2011, Redlands, CA. *Presentation.*
- Steinberg, S.J.**,
[Developing a Statewide Water Quality Monitoring and Visualization System for California](#), 34th Applied Geography Conference, October 19-21, 2011, Redlands, CA. *Presentation.*

- Amoussou, GA., M. Porter, and **S.J. Steinberg**,
Assessing Creativity Practices in Design, 41st ASEE/IEEE Frontiers in Education Conference, October 12-15, 2011, Rapid City, SD. [Paper Presentation](#).
- Amoussou, GA., and **S.J. Steinberg**,
Teaching and Assessing an Interdisciplinary Science of Design Pilot Course, 41st ASEE/IEEE Frontiers in Education Conference, October 12-15, 2011, Rapid City, SD. [Paper Presentation](#).
- Steinberg, S.J.**, J.M. Barnes and S.L. Steinberg,
[A spatial analysis of rural entrepreneurial success](#), ASPRS 2011 Annual Conference, May 1-5, 2011, Milwaukee, WI. *Presentation*.
- Steinberg, S.J.**, S.L. Steinberg, J.M. Barnes, and S.M. Keeble,
Sociospatial Network Analysis for Rural Economic Development, ASPRS 2010 Annual Conference, April 26-30, 2010, San Diego, CA. [Paper Presentation](#).
- Ramirez, N.D., and **S.J. Steinberg**,
Modeling Ecotoxicological Stressors Using GIS, ASPRS 2010 Annual Conference, April 26-30, 2010, San Diego, CA *Poster Presentation*.
- Steinberg, S.J.**, A. P. Stubblefield, Royer, C.F., T. Uyeki, and S. Eliason,
[Developing a Collaborative Water Quality Monitoring Plan in the Klamath Basin](#), 16th Annual California GIS Conference, April 18-21, 2010, Huntington Beach, CA. *Presentation*.
- Steinberg, S.J.**, S.L. Steinberg, Keeble, S.M., and J.M. Barnes,
Participatory GIS for Rural Economic Development, 16th Annual California GIS Conference, April 18-21, 2010, Huntington Beach, CA. *Poster Presentation*.
- Ramirez, N.D., and **S.J. Steinberg**,
Modeling Ecotoxicological Stressors Using GIS, 16th Annual California GIS Conference, April 18-21, 2010, Huntington Beach, CA. *Poster Presentation*. (Winner: Best Poster)
- Van Kirk, R., B. Apple, J.M. Baker, Y. Everett, B. Finney, L. Liegel, K. Peterson, **S.J. Steinberg**, D. Swenson, S. Trafton and A. Verbeten,
Conservation of surface and ground water in a Western watershed experiencing rapid loss of irrigated agricultural land to development, 2010 Land Grant and Sea Grant National Water Conference, February 21-25, 2009, Hilton Head, SC. *Poster Presentation*.
- Royer, C.F., A. P. Stubblefield, **S.J. Steinberg**, T. Uyeki, and S. Eliason,
Building a Foundation for Coordinated Water Quality Monitoring in the Klamath Basin, 2009 American Water Resources Association (AWRA) Annual Water Resources Conference, November 9-12, 2009. Seattle, WA. *Presentation*.
- J.L. Deshais, L. Arguello, J.D. Stuart and **S.J. Steinberg**,
Predicting Sudden Oak Death in Redwood National And State Parks: Ecological Niche Modeling of Key Transmission Host Species Using Maximum Entropy, Sudden Oak Death Symposium IV, June 15-18, 2009, Santa Cruz, CA. *Poster Presentation*.
- Keeble, S.M., S.L. Steinberg and **S.J. Steinberg**,
Rural Latino Entrepreneur Network Analysis, Pacific Sociological Association Conference, San Diego, CA, April 8-11, 2009, *Paper Presentation*.
- Steinberg, S.J.**, R. Degagne, M. Gough, and J. Barnes
[Opportunities for Universal Broadband: A Northern California Case Study](#). CalGIS: 15th Annual California GIS Conference, Sacramento, California. *Presentation*.

- Degagne, R., **S.J. Steinberg**, and T. Henkel,
[Identifying *Dicymbe corymbosa* Tropical Monodominant Forests in Guyana Using Landsat Satellite Imagery](#). ASPRS 75th Annual Conference, Baltimore MD, March 9-13, 2009. *Poster Presentation*.
- Steinberg S.L., **S.J. Steinberg**, J.L. Kauffman, and J.R. Ekert,
 Public Participation GIS Research and Agricultural Farmworkers in California. Twenty-eighth Annual ESRI International User Conference, San Diego, CA, August 4-8, 2008. [Paper Presentation](#).
- Steinberg, S.J.**, R. Degagne, and M.O. Gough,
 Broadband Demand Aggregation: Planning Broadband in Rural Northern California. Twenty-eighth Annual ESRI International User Conference, San Diego, CA, August 4-8, 2008. [Paper Presentation](#).
- Steinberg, S.J.**, S.L. Steinberg, J.L. Kauffman, N.S. Yandell, J.R. Ekert, and M.J. Strong,
[Combining aerial imagery with environmental data and community-based knowledge to examine agricultural pesticide exposure](#). ASPRS Annual Conference, Portland OR, April 29-May 2, 2008. *Poster Presentation*.
- Gilkerson W.A., **S.J. Steinberg**, F.J. Shaughnessy, and G.B. Crawford,
 A Spatial Model of Eelgrass (*Zostera marina*) Habitat in Humboldt Bay, California. Presented at the Humboldt Bay Symposium, Eureka, CA, April 23-24, 2008. *Poster Presentation*.
- Amoussou, GA., and **S.J. Steinberg**,
[A Model to Integrate the Science of Design into Undergraduate Education](#), Consortium for Computing Sciences in Colleges, Southwestern Regional Conference, April 18 & 19, 2008. *Workshop Presentation*.
- Eckert J. R., **S.J. Steinberg**, and S.L. Steinberg,
 Public Participation GIS and Agricultural Workers' Health. 79th Annual Meeting of the Pacific Sociological Association, Portland, OR, April 10-13, 2008. *Paper Presentation*.
- Gilkerson, W.A., **S.J. Steinberg**, F. J. Shaughnessy, and G.B. Crawford,
 A spatial model of potential eelgrass (*Zostera marina*) habitat in Humboldt Bay, CA. 22nd NorthWest Algal Symposium, April 4-6, 2008, Charleston, OR. *Paper Presentation*.
- Shaughnessy, F.J., G.B. Crawford, **S.J. Steinberg**, J. Montoya, M.O. Gough
 Humboldt CICORE's Part of the National Ocean Observation Effort. 22nd Northwest Algal Symposium, April 4-6, 2008, Charleston, OR, *Poster Presentation*.
- Edwards, B.R., **S.J. Steinberg** and K.A. Reeves,
 A Century of Riparian Change in the Lower Mokelumne River, 26th Salmonid Restoration Conference, Lodi, CA, March 5-8, 2008. *Poster Presentation*.
- Davidson J., M. Ragwar, A. Smith, GA Amoussou, and **S.J. Steinberg**,
 A Framework Using a Service Oriented Architecture for Community Information and Referral Systems. Poster, Ninth Annual Northwestern Regional Conference of the Consortium for Computing Sciences in Colleges Linfield College, McMinnville, OR October, 12-13, 2007. *Poster Presentation*.
- Degagne, R., T. Henkel, and **S.J. Steinberg**,
 Examining the distribution of *Dicymbe corymbosa* monodominant forests in Guyana with satellite imagery, Poster, Mycological Society of America Annual Meeting, Baton Rouge, LA, August, 2007. *Poster Presentation*.

- Amoussou, GA, E. Cashman, and **S.J. Steinberg**,
Building an Interdisciplinary Community to Learn and Teach Creativity and Design, 2nd International Conference on Design Science Research in Information Systems & Technology (DESRIST 2007), Pasadena, CA, May 2007. *Paper Presentation*.
- Judd, C. and **S.J. Steinberg**,
 Mapping Salt Marsh Vegetation in Humboldt Bay, California: Classifying Association Type and Percent Cover using Aerial Hyperspectral Imagery. ASPRS Annual Conference, Tampa FL, May 7-11, 2007. *Presentation*.
- Degagne, R., T. Henkel, and **S.J. Steinberg**,
 Examining the distribution of *Dicymbe corymbosa* monodominant forests in Guyana with satellite imagery." Poster, California GIS Conference, Oakland, CA, April 2007. *Poster Presentation*.
- Amoussou, GA., **S.J. Steinberg**
[Assessment of Teaching the Science of Design in the California State University Computer Science Program](#), 36th Annual ASEE/IEEE Frontiers in Education Conference, 2006. *Presentation*.
- Smith, M.D., and **S.J. Steinberg**,
The Use of Visual Simulation Software to Model Future Land Use Change in Rural Communities. 69th Annual Meeting of the Rural Sociological Society, Louisville, KY, August 2006. *Presentation*.
- Steinberg, S.L, **S.J. Steinberg** and J.E. Pollom,
Mapping Social Inequalities in Health: Examining the Role of Poverty, 77th Annual Meeting of the Pacific Sociological Association, Los Angeles, CA, April 2006. *Presentation*.
- Kirk, T.A., W.J. Zielinski and **S.J. Steinberg**,
Multiple-scale Habitat Modeling of the American Marten in Northeastern California, Western Section of the Wildlife Society, Invited Symposium: Fisher and Martin in California, Moving Science and Management Forward. Sacramento, CA, February 2006. *Poster Presentation*.
- Steinberg, S.J.**, L. Fox, J.D. Stuart, and I.P. McGovern,
Utilizing High Resolution Imagery and Feature Extraction for Vegetation Mapping at the Whiskeytown National Recreation Area, Redding, California, American Society for Photogrammetry and Remote Sensing, Denver, CO. May, 2004. *Presentation*.
- Perry, C.H., B.R. Edwards, **S.J. Steinberg**, and K.A. Reeves
 A century of riparian change in the lower Mokelumne River, American Water Resources Association 2004 spring specialty conference, geographic information systems (GIS) and water resources III, Nashville, TN, May, 2004. *Presentation*.
- Steinberg, S.J.**, I.P. McGovern, J.D. Stuart, and C.A. Lee,
[Comparing multiple resolution imagery for vegetation sampling planning](#). American Society for Photogrammetry and Remote Sensing, Anchorage, AK. May, 2003. *Paper presentation*.
- Ritts, W.D., E. Jules, T. Jimerson, and **S.J. Steinberg**,
Predicting the Spread of a Road-Transported Invasive Pathogen: Port-Orford Cedar Root Disease in the Smith River National Recreation Area. Second Conference on Klamath-Siskiyou Ecology: Biodiversity and Habitat Restoration, May 29-31, 2003, Cave Junction, OR. *Poster Presentation*.

- Edwards, B.R., **S.J. Steinberg** and K.A. Reeves,
 A View to the Past: Using Historical Aerial Photographs for Planning and Prioritizing Riparian Restoration along the Lower Mokelumne River, San Joaquin County, California. American Society for Photogrammetry and Remote Sensing, Anchorage, AK. May, 2003. *Poster Presentation.*
- Steinberg, S.J.**
 Data model selection for the collection of spatially explicit social science research data. Presented at the American Association of Behavioral and Social Sciences, Las Vegas, NV February, 2003. *Presentation.*
- Steinberg, S.J.**
[Integrating geographic information systems \(GIS\) technology into the social sciences.](#) American Association of Behavioral and Social Sciences, Las Vegas, NV February, 2002. *Presentation.*
- Patton, J., and **S.J. Steinberg**
 Humboldt Bay, CA Interagency Decision Support System, American Society for Photogrammetry and Remote Sensing, St. Louis, MO. May 2001. *Paper presentation.*
- Steinberg, S.J.**
 Creating an interactive online data repository for the Klamath basin: establishing a prototype Klamath webGIS. Klamath Basin Fish and Water Management Symposium, Arcata, CA. May, 2001.
- Steinberg, S.J.** and S.B. Daley Laursen
 ForNet: The Design and Implementation of an Internet-based, Interactive Natural Resource Remote Sensing and GIS System for Natural Resource Managers. American Society for Photogrammetry and Remote Sensing, Seattle, WA. 1999. *Poster presentation.*
- Steinberg, S.J.** and S.B. Daley Laursen
 ForNet: Delivering Spatial Data to Natural Resource Managers and the Public. Society of American Foresters National Conference, Memphis, TN. 1997. *Poster presentation.*
- Steinberg, S.J.**, C.H. Perry and S.B. Daley Laursen
 Factors Influencing Success in Preparing Future Faculty. The Sixth National Conference on the Education and Employment of Graduate Teaching Assistants, Minneapolis, MN. 1997. *Paper presentation.*
- Steinberg, S.J.** and M.E. Bauer
 Remote Sensing Systems for the 21st Century. Minnesota GIS/LIS Consortium, 7th Annual Conference, St. Cloud, MN. October 1-3, 1997. *Presentation.*
- Steinberg, S.J.**
 ForNet: Delivering Spatial Data to Natural Resource Managers and the Public. The 5th Annual Environmental Science and Engineering Conference, Minneapolis, MN, May 16-17, 1997. *Poster Presentation.*
- Bauer, M.E., **S.J. Steinberg**, and C.A. Sersland
 Forest and Land Cover Classification of the Twin Cities Metropolitan Area. Minnesota Academy of Science 65th Annual Meeting, St. Paul, Minnesota, April 18-19, 1997. *Presentation.*
- Bauer, M.E., C.A. Sersland and **S.J. Steinberg**
 A Land Cover Classification of the Twin Cities Metropolitan Area Using Landsat TM. *Proceedings*, Thirteenth William T. Pecora Memorial Remote Sensing Symposium, Sioux Falls, SD. 1996. [Paper presentation.](#)

Other Presentations

Steinberg, S.J.

San Diego Bay Fish Consumption Study: Identifying fish consumption patterns of anglers in San Diego Bay. California Regional Water Quality Control Board, San Diego Region, April 12, 2017. San Diego, California. *Presentation.*

Steinberg, S.J.

A Geospatial Survey of Anglers to Assess Fish Consumption from San Diego Bay, California. Southern California Marine GIS Users Group Meeting. Port of San Diego Administration Building, November 30, 2016. San Diego, California. *Presentation.*

Steinberg, S.J., A. Lanier and A. Bailey,

The West Coast Ocean Data Portal, West Coast Regional Planning Body (RPB) 2016 Annual Meeting, October 26-27, 2016. Portland, OR. *Presentation.*

Steinberg, S.J., A. Lanier and A. Bailey,

The West Coast Ocean Data Portal, Meeting of the West Coast Oceans Partnership, October 25, 2016. Portland, OR. *Presentation.*

Steinberg, S.J.,

GIS at SCCWRP, Presentation at the inaugural meeting of the SoCal Marine GIS User Group, Aquarium of the Pacific, Long Beach, CA. August 27, 2015. *Presentation.*

S.L. Steinberg and **S.J. Steinberg,**

People, Place and Health: A Sociospatial Perspective for Farmworker Communities. Presentation to LatinoNet. Eureka, CA. June 12, 2009. *Presentation.*

S.L. Steinberg and **S.J. Steinberg,**

Mapping Pesticide Exposure with Community-Based Knowledge: Increasing Community Power with Mapping in Monterey County, California. Poder Popular-Monterey County. Gonzales, CA. June 25, 2008. *Presentation.*

S.L. Steinberg and **S.J. Steinberg,**

Mapping Pesticide Exposure with Community-Based Knowledge: Increasing Community Power with Mapping in Tulare County, California. Poder Popular-Tulare County. Visalia, CA. June 12, 2008. *Presentation.*

S.J. Steinberg,

Coordinating Monitoring and Assessment in the Klamath River Basin, Klamath Water Quality Coordination Group, Klamath, CA, April 17, 2007. *Presentation.*

Perry M.P., B.R. Davenhall, **S.J. Steinberg,**

Community webGIS at Humboldt State University, MapServer Users conference, St. Paul, MN, June, 2003. *Poster presentation.*

Steinberg, S.J.,

Spatial analysis projects and research activities at HSU. Presented at Redwood Sciences Lab: Arcata, CA, December 18, 2001. *Seminar.*

Steinberg, S.J.,

Klamath River fisheries restoration task force: update on activities and demonstration of Klamath webGIS. Natural resource applications of GIS workshop, Humboldt State University, Arcata, CA, 2000. *Presentation.*

S.L. Steinberg and **S.J. Steinberg,**

People, Place and Health: A Sociospatial Perspective for Farmworker Communities. Presentation to LatinoNet. Eureka, CA. June 12, 2009. *Presentation.*

S.L. Steinberg and **S.J. Steinberg**,

Mapping Pesticide Exposure with Community-Based Knowledge: Increasing Community Power with Mapping in Monterey County, California. Poder Popular-Monterey County. Gonzales, CA. June 25, 2008. *Presentation.*

S.L. Steinberg and **S.J. Steinberg**,

Mapping Pesticide Exposure with Community-Based Knowledge: Increasing Community Power with Mapping in Tulare County, California. Poder Popular-Tulare County. Visalia, CA. June 12, 2008. *Presentation.*

S.J. Steinberg,

Coordinating Monitoring and Assessment in the Klamath River Basin, Klamath Water Quality Coordination Group, Klamath, CA, April 17, 2007. *Presentation.*

Perry M.P., B.R. Davenhall, **S.J. Steinberg**,

Community webGIS at Humboldt State University, MapServer Users conference, St. Paul, MN, June, 2003. *Poster presentation.*

Steinberg, S.J.,

Spatial analysis projects and research activities at HSU. Presented at Redwood Sciences Lab: Arcata, CA, December 18, 2001. *Seminar.*

Steinberg, S.J.,

Klamath River fisheries restoration task force: update on activities and demonstration of Klamath webGIS. Natural resource applications of GIS workshop, Humboldt State University, Arcata, CA, 2000. *Presentation.*

Professional and Academic Service

Graduate Students Advised:

MSGIScience Cohorts, California State University Long Beach (88 students)*:

S. Aguilar (2021), M. Alamo-Lopez (2022), M. Alexander (2022), C. Alvarez (2022), S. Alvarez Espinoza (2022), T. Andrade (2024), P. Appala (2022), A. Beisenbayev (2023), T. Bellegarde(2024), T. Blood (2021), K. Bodrogi (2021), M. Bouwman (2023), V. Ceyla (2024), E. Chacon (2021), W. Chesher (2021), C. Ching (2023), C. Corrales (2023), B. Cortez (2024), M. Daniels (2023), J. Davis (2022), K. Diaz (2021), A. Dondiego Cruz (2024), A. Doyle (2021), A. Dutta (2023), I. Flores (2023), H. Ford (2023), E. Gaston (2021), B. George (2021), R. Giragosian (2024), R. Gomez Jr. (2022), J. Haller (2023), M. Hebert (2023), D. Hernandez (2024), M. Hernandez (2024), M. Hershberger (2024), D. Immerso (2023), P. Katta (2023), M. Lara (2022), J. Lazor (2023), B. Lopez (2024), R. Ly (2021), A. Mamindla (2023), R. Mandiram (2024), R. Martin (2023), K. Martinez (2021), D. Mateo (2024), B. Medrano (2021), Y. Mendoza (2023), J. Milkes (2022), H. Minasian (2023), J. Moreno (2022), A. Moser (2023), M. Mukhtar (2024), S. Narukullapati (2022), F. Nunez (2024), A. Oca (2023), F. Oliveira (2022), J. Oronia (2023), K. O'Sullivan (2022), S. Paul (2022), M. Pazmino (2022), Y. Pena (2024), A. Perez (2024), A. Perez Alvarez (2024), C. Pham (2023), A. Pineda (2021), J. Quigley (2022), J. Ramirez (2021), D. Rathfelder (2021), D. Reinartz (2024), J. Reisfeld (2022), S. Roberts (2021), N. Rodriguez (2021), V. Rodriguez (2023), E. Sawa (2024), N. Shapiro (2022), C. Sheilds (2021), M. Sugarman (2022), S. Swain (2022), O. Tambazidis (2023), M. Tanguturi (2021), N. Tarpinian (2022), S. Teramura (2021), E. Urso (2022), G. Waughan (2024), B. Williams (2023), D. Yuhashi (2023).

* Student awarded a Masters of Science in Geographic Information Science at California State University, Long Beach. Full project titles and links to Esri StoryMaps are [linked here](#).

Masters Thesis Advisor (18 students)**:

[J.M. Barnes](#) (2012); [B.R. Davenhall](#) (2009); [R.S. Degagne](#) (2007); B.R. Edwards (2005); [J.D. Garner](#) (2013); [W.A. Gilkerson](#) (2008); M.D. Hass (2000); C. Judd (2006); [J.L. Kauffman](#) (2007); [T.A. Kirk](#) (2007); [I.P. McGovern](#) (2008); [J. Michaelis](#) (2012); [L.M. Miller](#) (2006); [J.A. Morrison](#) (2012); [A. Ollar](#) (2011, Environment and Community); [M.T. Perry](#) (2005); [N.D. Ramirez](#) (2011); D.R. Ritts (2003).

Thesis Committee Member (28 students)**:

C.N. Aw-yang (2003, Forestry); [P. Boni Bramble](#) (2009, Environment and Community); [M.E. Cole](#) (2004, Fisheries Biology); [B.J. Crain](#) (2008, Biology); [J.B. Deshais](#) (2010, Forestry); [Y. DiCarlo](#) (2000); E.K. Edelman (2001); H. Fitting (2004, Biology); [L.A. Groff](#) (2010, Biology); S.W. Headley (2003, Forestry); S.B. Henry (2001); [S.M. Keeble](#) (2009, Environment and Community); C.A. Lee (2004., Forestry); [J.B. Letton](#), (2007); K.C. Lomeli (2011, Fisheries Biology); D.E. Marshall (1998, Mathematical Modeling); C.B. Oneal (2005, Forestry); J.E., Pollom (2006); D. Powers (2007, Forestry); [C.F. Royer](#) (2011, Watershed Management); [A. Santana](#) (M.A. 2016, Geography, California State Univ. Long Beach, CA); [A.M. Shows](#) (2014); [J. Valdez](#) (2011, Sociology); [M. Vuori](#) (2009, Geomatics, Univ. Of Helsinki, Finland); [A.E. Weltz](#) (2012, Biology); [C. West](#) (2007, Forestry); [A.R. Ybarra](#) (2011, Sociology); [D. Zalarvis-Chase](#) (2010, Environment and Community).

** Student awarded a Masters of Science in Natural Resources Planning (Environmental and Natural Resource Sciences emphasis) at Humboldt State University, Arcata, CA unless otherwise noted. Full thesis titles (and PDF where available) are [linked here](#).

Peer Reviewer:

Grant Solicitations:

- California State University Council on Ocean Affairs, Science & Technology COAST Grant Development Program, 2020.
- Washington State Sea Grant, 2015.
- NASA ROSES (A.45) Water Resources Earth Science Applications, Washington, D.C., July 23-25, 2013.

Journals/Publications:

- Applied Sciences
- Cartographica: The International Journal for Geographic Information and Geovisualization
- Cartography and Geographic Information Science
- Computers and Electronics in Agriculture
- Esri Press
- International Journal of Remote Sensing
- Invasive Plant Science and Management
- ISPRS International Journal of Geo-Information
- Journal of Interpretation Research
- Land

- Remote Sensing
- Sensors
- Social Science Information

Fulbright Scholar Application Peer Reviewer:

- 2017-2020: Fulbright Specialist Peer Reviewer, Computer Science & Information Technology
 2011-2014: Discipline Review Committee – Geography.

Professional Committees & Boards

- 2025-Present: Vice President (Elected), American Society for Photogrammetry and Remote Sensing (ASPRS), the Geospatial Information Society
 2024-Present: Volunteer Faculty: URISA Advanced GIS Leadership Academy
 2022-Present: Volunteer Faculty: URISA Program Management Workshop
 2021-Present: Member, GIS Program Advisory Committee, Mt. San Antonio Community College
 2019-Present: Member, GIS Program Advisory Committee, Rio Hondo Community College
 2019-Present: Member, GIS Program Advisory Committee, Pasadena City College
 2018-Present: Volunteer Faculty: URISA GIS Leadership Academy
 2021-2023: Member, Broadband Mapping Policy Group, Schools, Health, and Libraries Broadband Coalition
 2020-2023: Board Member (Elected), URISA International (Treasurer, 2021-2023).
 2018-2022: Board Member, California GIS Council
 2014-2022: Board Member, California Geographic Information Association.
 2019-2020: Board Member, Immediate Past President, Southern California Chapter, URISA.
 2018-2019: President, Southern California Chapter, URISA.
 2017-2018: Regional Director, ASPRS Pacific Southwest Region.
 2017-2018: Conference Co-Chair and Planning Committee, GIS-Pro/CalGIS 2018: Combined URISA International and California GIS Conferences. October 9-12, 2018, Palm Springs, CA.
 2017-2018: President Elect, Southern California Chapter, URISA.
 2016-2018: Board Member and Treasurer, Orange County Chapter, Association for Computing Machinery
 2014-2018: California Water Quality Monitoring Council Data Management Workgroup.
 2013-2018: Co-Chair, West Coast Governors Alliance, Data Action Coordination Team.
 2011-2016: Advisory Board Member, Southern California Chapter, URISA.
 2009-2017: Certification Committee Member, GIS Certification Institute.
 2015- 2016: Conference Co-Chair and Planning Committee, American Society for Photogrammetry and Remote Sensing, 3rd National Symposium on Unmanned Aerial Systems (UAS). September 2016, Palm Springs, CA.

- 2015- 2016: Conference Co-Chair and Planning Committee, CalGIS 2016: 22nd Annual California GIS Conference. May 10-12, 2016, Anaheim, CA.
- 2015-2016: Board Member, Orange County Chapter, Association for Computing Machinery
- 2015-2016: Regional Director, ASPRS Pacific Southwest Region.
- 2014-2015: Planning Committee, CalGIS 2015: 21st Annual California GIS Conference.
- 2013-2014: Technical Program Co-chair, CalGIS 2014: 20th Annual California GIS Conference.
- 2013-2014: Planning Committee, CalGIS 2014: 20th Annual California GIS Conference.
- 2012-2014: President, ASPRS Southwest US Region.
- 2012-2014: EPA Exchange Network: Communications Integrated Project Team Member.
- 2011-2014: Co-Chair, California Water Quality Monitoring Council Data Management Workgroup.
- 2011-2014: California Coastal and Marine Geospatial Working Group Member.
- 2012-2013: Technical Program Co-chair, CalGIS 2013: 19th Annual California GIS Conference.
- 2012-2013: Planning Committee, CalGIS 2013: 19th Annual California GIS Conference.
- 2012-2013: Vice President, ASPRS Southwest US Region.
- 2011-2013: Member, West Coast Governors Alliance, Data Action Coordination Team.
- 2011-2012: Planning Committee: EPA Exchange Network 2012 National Meeting.
- 2008-2011: President, ASPRS Northern California Chapter.
- 2001-2011: Faculty Advisor: Humboldt State University Student Chapter, ASPRS.
- 2007-2008: President-Elect, ASPRS Northern California Chapter.
- 2003-2004: Committee Member: Scholarship/Internship Committee, Geospatial Information and Technology Association (GITA).
- 2001-2004: Chair: Northern California Region ASPRS Education Committee.
- 2000-2001: Planning Committee: Klamath River Basin Fish and Water Management Symposium.
- 1997: Planning Committee: American Society for Photogrammetry and Remote Sensing, First North American Symposium on Small Format Aerial Photography.
- 1996-1997: Planning Committee: Society of American Foresters, Minnesota State Conference.

Humboldt State University

- 2010-2011: Geospatial Curriculum Task Force, Humboldt State University.
- 2010: University Ombudsperson, Humboldt State University.
- 2009-2010: Committee Member, College of Natural Resources Personnel Committee for Promotion and Tenure.
- 2008-2010: Member of the Board of Directors of the Humboldt State University Sponsored Programs Foundation and Member of Finance Committee.
- 2005-2008: Member of the Board of Directors of the Humboldt State University Sponsored Programs Foundation and Member of Incentives Committee.

- 2006-2008: Senior Staff/Summer Research Mentor for National Science Foundation Research Experience for Undergraduates.
- 2006-2007: Committee on Learning Management Systems at HSU.
- 2005-2006: Research Associate and Advisor to California Center for Rural Policy.
- 2003-2005: Research Associate, Klamath Watershed Institute.
- 2004: Task Force on the Information Technology Service Model at HSU.
- 2003-2011: Member of the Board of Directors of the Northern California Institute of Marine Science.
- 2002-2004: College of Natural Resources Curriculum Committee.
- 2001-2004: HSU Standing Committee on Information Technology.
- 2000-2003: College of Natural Resources Computing Technology Committee.
- 2000-2001: College of Natural Resources Curriculum Committee.
- 1998-2007: Co-director of the Advanced Spatial Analysis Facility (ASAF), and Spatial Analysis Lab (SA-Lab), College of Natural Resources and Sciences.
- 1998-2011: Biometrics Committee, Humboldt State University.
- 1998-1999: Web Registration Committee, Humboldt State University.

University of Minnesota

- 1997-1998: Graduate Studies Committee, Department of Forest Resources, University of Minnesota.
- 1997-1998: College of Natural Resources Computer Committee, University of Minnesota.
- 1997-1998: Curriculum Committee, Department of Forest Resources, University of Minnesota.
- 1997-1998: Xi Sigma Pi, Delta Chapter Chair.
- 1996: Faculty search committee, Preparing Future Faculty Program, University of Minnesota.

Community Service

- 2014-2020: Assistant Scoutmaster, Boy Scout Troop 36, Irvine, California, Orange County Council.
- 2015-2016: Past President, University of Michigan Alumni Association – Orange County California Chapter.
- 2014-2015: President, University of Michigan Alumni Association – Orange County California Chapter. (Recipient, Outstanding Club Award – Region 4).
- 2013-2014: Vice President, University of Michigan Alumni Association – Orange County California Chapter.
- 2012-2013: Board Member, University of Michigan Alumni Association – Orange County California Chapter.
- 2011-2013: Pack Committee Member and Treasurer, Pack 653, Cub Scouts, Boy Scouts of America, Orange County Council, California.

- 2010-2011: President, Board of Trustees, Arcata School District, Arcata, California. (*Elected Office*)
- 2009-2011: Advancement Chair Pack 95, Cub Scouts, Boy Scouts of America, Redwood Empire Council, California.
- 2005-2011: Member, Board of Trustees, Arcata School District, Arcata, California. (*Elected Office*)
- 2002-2004: Chair, Eagle Scout Board of Review Committee, Pacific Rim District, Redwood Empire Council, California.
- 1999-2002: Member, Eagle Scout Board of Review Committee, Pacific Rim District, Redwood Empire Council, California.
- 2003-2004: Secretary and Member of the Board of Directors, Eureka Discovery Museum.
- 1999-2001: Treasurer and Member of the Board of Directors, Eureka Discovery Museum.
- 1988-2002: Assistant Scoutmaster, Boy Scouts of America. (Toledo Area Council, Ohio; Wolverine Council, Michigan, 1989 National Jamboree, Fort A.P. Hill, Virginia, Indianhead Council, Minnesota, Redwood Empire Council, California).