

STEVEN J. STEINBERG, Ph.D., GISP

Principal Scientist – Information Management & Analysis
Southern California Coastal Research Project
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Dr. Steinberg is a geospatial professional specializing in the design, management, integration, analysis and visualization of spatially-based information. He has extensive experience with geospatial analysis technologies including geographic information systems (GIS) analysis and modeling and remote sensing and image analysis across a wide range of interdisciplinary 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, University of Minnesota, 1996. (Teaching Opportunities Program for Doctoral Students)
- M.S. University of Michigan, 1994. (Natural Resources Policy and Management)
Masters 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, University of Michigan, 1994. (Remote Sensing)
- B.S. Kent State University, 1992. (Natural Resources; minor: Sociology)

Professional Certification and Continuing Education

- Geographic Information Systems Professional, (GISP #59102): Geographic Certification Institute, Park Ridge, IL. Initial certification, March 25, 2008.
- ASPRS *sUAS Mapping Technical Demonstration and Symposium 2016*, Palm Springs (1.9 CEU) George Mason University, Arlington, VA. September 12-14, 2016.
- ASPRS *sUAS Data Processing and Practical Overview*, (0.7 CEU) George Mason University, Arlington, VA. September 28, 2015.
- ASPRS *UAS Mapping 2015 Reno*, (1.0 CEU) George Mason University, Arlington, VA. September 28, 2015.

Professional Experience

- 2011-Present: Principal Scientist and Department Head, Information Management and Analysis, Southern California Coastal Water Research Project (SCCWRP), Costa Mesa, CA.
- 2012-Present: Adjunct Professor, Geospatial Sciences, Department of Environmental Science and Management, Humboldt State University, Arcata, 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: 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.

Professional Appointments

- 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

- 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 for Photogrammetry and Remote Sensing (ASPRS)
Association for Computing Machinery (ACM)
Fulbright Association
Urban and Regional Information Systems Association (URISA)
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:

- 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, In Press.*
- 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:

- 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 Dicycme 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.**,
[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.
- Azimi-Gaylon, S., S. Fong, P. Goodwin, T. Hale, G. Isaac, A. Osti, F. Shilling, T. Slawewski, **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.
- 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.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.**, 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.
- 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.
- 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.
- 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.
- 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.
- 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.

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.,
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.,
GIS at SCCWRP, Invited presentation at the inaugural meeting of the SoCal Marine GIS User Group, Aquarium of the Pacific, Long Beach, CA. August 27, 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, Invited presentation at the 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 Warfanger 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

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.**,
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. Nezhlin, 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., 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*.
- 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., 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*.
- 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:*

Thesis Advisor (18 students):

J.M. Barnes (2012); B.R. Davenport (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 (29 students):

C.N. Aw-yang (2003, Forestry); P. Boni Bramble (2009, Environment and Community, M.A.); M.E. Cole (2004, Fisheries); B.J. Crain (2008, Biology, M.A.); J.B. Deshais (2010, Forestry); Y. DiCarlo (2000); E.K. Edelman (2001); H. Fitting (2004, Biology, M.A.); L.A. Groff, 2010, Biology, M.A.); S.W. Headley (2003, Forestry); S.B. Henricy (2001); J. Hunt (*In progress*, M.S. GIS, Univ. Redlands, CA); S.M. Keeble (2009, Environment and Community, M.A.); 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 (2016, Geography, M.A., California State Univ. Long Beach, CA); A.M. Shows (2014); J. Valdez (2011, Sociology); M. Vouri (2009, Geomatics, M.S., 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, M.A.).

* Students 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) located at: <http://users.humboldt.edu/sjsteinberg/grads.html>

Peer Reviewer

Grant Solicitations:

- NASA ROSES (A.45) Water Resources Earth Science Applications, Washington, D.C., July 23-25, 2013.

Journals/Publications:

- 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
- Sensors
- Social Science Information
- Washington State Sea Grant

Fulbright Scholar Applications:

- Discipline Review Committee – Geography (3 year term, 2011-2014).

Professional Committees

- 2016-Present: Board Member and Treasurer, Orange County Chapter, Association for Computing Machinery
- 2014-Present: Board Member, California Geographic Information Association.
- 2014-Present: California Water Quality Monitoring Council Data Management Workgroup.
- 2013-Present: Co-Chair, West Coast Governors Alliance, Data Action Coordination Team.
- 2011-Present: Advisory Board Member, Southern California Chapter, URISA.
- 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-Present: 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-Present: Assistant Scoutmaster, Boy Scout Troop 36, Irvine, California.
- 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, Pacific Rim District, Redwood Empire Council, California.
- 1999-2002: Member Eagle Scout Board of Review, 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, Indianhead Council, Minnesota, Redwood Empire Council, California).