

STEPHEN JOHN STADLER

Professor
Fall 2018

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EDUCATION

<u>Date</u>	<u>Institution</u>	<u>Degree</u>
1979	Indiana State University	Ph.D (Physical Geography)
1976	Miami University	M.A. (Geography)
1973	Miami University	B.S. Ed., Cum Laude, (Social Studies)

PROFESSIONAL EXPERIENCE

2017-Date National Geographic Society Geography Steward of Oklahoma
2015-Date State Geographer Emeritus of Oklahoma (gubernatorial designation)
1993-Date Professor, Department of Geography Oklahoma State University
2013-Date President, Oklahoma Alliance for Geography Education
2012-Date Member, Smart Energy Source team
2011-Date Member, National Energy Solutions Institute committee, Oklahoma State University
2009-Date Geography Program Advisory Board, University of Central Oklahoma
2008-2008 Elected Representative, Oklahoma State University Faculty Council
2008-Date Wind Turbine Program advisory board, Oklahoma State University—Oklahoma City
2008-Date Geography Program advisory board, University of Central Oklahoma
2004-2015 The State Geographer of Oklahoma (gubernatorial appointment)
2004-Date Member, State GIS Council
2004-Date Board Member, Oklahoma Alliance for Geographic Education
1988-Date Steering Committee, Oklahoma Mesonet Project
1991-1994 Faculty Supervisor, OSU Center for Applications of Remote Sensing
1985-1993 Associate Professor, Department of Geography, Oklahoma State University.
1980-1985 Assistant Professor, Department of Geography, Oklahoma State University.
1979-1980 Temporary Assistant Professor, Department of Geography, Michigan State University.
Spring 1979 Instructor, Indiana State University Short Course in Remote Sensing.
Spring 1978 Lecturer, Department of Earth and Space Sciences, Indiana University - Purdue University at Fort Wayne.
1977-1978 Head Student Assistant, NSF Student Science Training Program in Remote Sensing of Earth Resources, Indiana State University Remote Sensing Laboratory.
1975-1979 University Fellow, Department of Geography and Geology, Indiana State University.
1973-1975 Teaching Assistant and Research Assistant, Department of Geography, Miami University.

PUBLICATIONS

Books:

Hanks, R. (S.J. Stadler all physical geography entries), *Handbook of Geography Terms, Themes, and Concepts*, (Santa Barbara, CA: ABC-CLIO) 2011, 405 pp.

Articles in Encyclopedias:

Stadler, S.J., "Wind Power", "Aridity Indices" (revision of previous article below), and "Sports Climatology", J.E. Oliver, ed. *Encyclopedia of Climatological Sciences. Heidelberg, Germany*: Springer. 2005

Stadler, S.J., "Aridity Indices" In: *Encyclopedia of Hydrology and Water Resources*, R.W. Herschy and R.W. Fairbridge eds. (Dordrecht, Netherlands: Kluwer Academic Publishers, 1998), pp. 78-82. [Reprinted from *The Encyclopedia of Climatology*]

Stadler, S.J., "Aridity Indexes," in *The Encyclopedia of Climatology*, Encyclopedia of Earth Science Series, Vol. XI, pp. 102-107 (New York: Van Nostrand Reinhold Company, 1986).

Monographs:

Kessler, E. and S.J. Stadler, "Some Warm-Season Singularities in the Precipitation of Central Oklahoma," (Norman: Oklahoma Climatological Survey: 1993), 54 pages.

Gazetteer Entries:

Stadler, S.J. 1998. Editorship of Oklahoma place name entries in the *Columbia Gazetteer of the World* (New York: Columbia University Press)

Book Chapters:

Stadler, S.J. and K.D. Harries, 2015: Assault and deviations from mean temperatures: An inter-year comparison in Dallas. In: Rohli, R.V. and T.A. Joyner (eds.), *Selected Readings in Applied Climatology*, Cambridge Scholars Publishing, Ltd., Newcastle-upon-Tyne, UK, pp. 257–269, 978–1–4438–7562–2, 361 pp.

Stadler, S.J. and M.A. Simone, 2015: Applied macroanalysis of golf course environments. In: Rohli, R.V. and T.A. Joyner (eds.), *Selected Readings in Applied Climatology*, Cambridge Scholars Publishing, Ltd., Newcastle-upon-Tyne, UK, pp. 270–282, 978–1–4438–7562–2, 361 pp.

Stadler, S.J. 2012 "Wind, Energy, and Geography" in *21st Century Geography*." Edited by Joseph P. Stolman. (Thousand Oaks, CA: Sage Publications), pp. 457-468

Stadler, S. J. 2012. "New Energy Sources" in *Food and Famine in the Twenty-First Century* (Santa Barbara, CA: ABC-CLIO) , pp. 299-308.

S.J. Stadler, "Indiana Wind Power" in *Indiana's Weather and Climate*, John E. Oliver, ed. (Bloomington: University of Indiana Press), 2009, pp. 22-26. ISBN-13: 978-0-253-22056-1

S.J. Stadler, "Impact of Climate Change on Recreation and Leisure" Chapter 18 in *Climate Change and Variation: A Primer for Teachers* (Washington: NCGE 2008), pp 189-196.

Meo, M. and S. Stadler. 2003. "Looking to Oklahoma's Energy Future." *Oklahoma Resources, Energy and Water* (Tulsa: Oklahoma Academy), pp. E65-E74.

Czajkowski, K.P., S.N. Goward, T. Mulhern, S.J. Goetz, A. Walz, S. Stadler, S.D. Prince, and R.O. Dubayah, 2003. "Recovery of Environmental Variables from thermal Remote Sensing." In *Thermal Remote Sensing in Land Surface Processes*, Eds. D. Quattrochi and J. Luvall (Ann Arbor Press: Chelsea, MI)

Harries, K.D. and S.J. Stadler, 1989. "Assault and Heat Stress: Dallas as a Case Study." In: *The Geography of Crime*, D.J. Evans and D.T. Herbert eds. (London: Routledge), pp. 38-58.

Refereed Articles:

S.J. Stadler, J. Dryden, and J. S. Greene. 2015 "Potential Climate Change Impacts on Wind Resources in Oklahoma" *Resources* 4(2) April 2015, pp. 203-226

S.J. Stadler. 2015, "A Visit to China" *The Geography Teacher*. pp. 85-94, Vol. 12 Number 2, April-June 2015.

Greene, J.S., M. Chatelain, Morrissey, M.L., and S. Stadler. 2013. "Estimated Changes in Wind Speed and Wind Power Density over the Western High Plains, 1971-2000", *Theoretical and Applied Climatology*, 109: 507-518.

Greene, J.S., M. Chatelain, Morrissey, M.L. and S. Stadler," Projected Future Wind Speed and Wind Power Density Trends over the Western U.S. High Plains", *Atmospheric and Climate Sciences*. pp. 32-40, Vol. 2 Number 1 2012.

Li, W. S. Stadler, and R. Ramakumar. "Modeling and Assessment of Wind and Insolation Resources with a Focus on Their Complementary Nature: A Case Study in Oklahoma" *Annals of the Association of American Geographers*. 101:4, pp. 717-729

Greene, J.S., K. McNabb, R. Zwillig, S. Stadler, and M. Morrissey, 2009. "Analysis of Vertical Wind Shear in the Southern Great Plains and Potential Impacts on Estimation of Wind Energy Production", *International Journal of Global Energy Issues*, Vol. 32, No. 3 pp. 191-211.

McPherson, R.A., C. Feibrich, K. Crawford, R. Elliott, J. Kilby, D. Grimsley, J. Martinez, J. Basara, B. Illston, D. Morris, K. Kloesel, S. Stadler, A. Melvin, A. Sutherland, H. Shrivastava, J. Carlson, J. Wolfenbarger, J. Bostic, and D. Demko, "Statewide Monitoring of the Mesoscale Environment: A Technical Update on the Oklahoma Mesonet." *Journal of Oceanic and Atmospheric Technology*, v24, no. 7, March 2007, pp. 301-321.

Hughes, T.W., M. Meo, T. Simonsen, and S. Stadler, "Developing Oklahoma Wind-Resource Models and Products: Opportunities for Energy Diversification by the Oklahoma Gas and Oil Industry" *Oklahoma Geology Notes*, vol. 62. no. 4, Winter 2002, cover and pp. 145-155.

Czajkowski, K..P., S.N. Goward, S.J. Stadler, and A. Walz. 2000. "Thermal Remote Sensing of Near Surface Environmental Variables: An Application Over the Oklahoma Mesonet". In: *The Professional Geographer* . Vol. 52, No. 2, May 2000, pp. 345-357.

Stadler, S.J., F.Brock, J.D. Carlson, G. Cuperus, K. Crawford, J. Duthie, C. Doswell III, M. Eilts, T. Hughes, and H. Johnson. 1997. "Climatic Geography and the Oklahoma Mesonet. In *Geographic Perspectives on the Texas Region*, D. Lyons and P. Hudak eds. (Washington, D.C.: Association of American Geographers), pp. 107-114.

Stadler, S.J. 1995 "Assessing Short-Term Statewide Irrigation Needs Using Radar and Mesoscale Surface Data." *Papers and Proceedings of the Applied Geography Conferences*, v18, pp. 5-23

Brock, F., K. Crawford, R. Elliott, G. Cuperus, S. Stadler, H. Johnson, and M. Eilts.1995 "The Oklahoma Mesonet: A Technical Overview" In: *Journal of Atmospheric and Oceanic Technology*, Vol 12, No. 1, pp. 5-19

Stadler, S.J., G.O. Carney, and M.S. Gregory, "The Meridian of the Plains: A Natural Boundary in the Geography of Oklahoma," In: *Snapshots of North America*, D. G. Janelle ed., (New York: The Guilford Press, 1992), pp. 250-254.

- Stadler, S.J. and T.A. Wikle, "Application of Simple Microcomputer Technology to Undergraduate Instruction in Geography," In: *Proceedings of the 1992 Symposium on Applied Computing*, (New York: The Association of Computing Machinery, 1992), pp. 144-148.
- Elliott, R., K. Crawford, G. Cuperus, S. Stadler, H. Johnson, and C. Doswell, "Mesonet: Oklahoma's Automated Weather Network," In: *Proceedings of the 1991 International Summer Meeting*, The American Society of Agricultural Engineers, 1991.
- Rabin, R.M., S.J. Stadler, P.J. Wetzel, D.J. Stensrud, and M. Gregory, "Observed Effects of Landscape Variability on Convective Clouds", *Bulletin of the American Meteorological Society*, Vol. 71, No. 3, March 1990, cover and pp. 272-280.
- Stadler, S.J. and M.A. Simone, "Applied Macroanalysis of Golf Course Environments", *Papers and Proceedings of the Applied Geography Conferences*, Vol. 11, November 1988, pp. 32-42.
- Harries, K.D. and S.J. Stadler, "Heat and Violence: New Findings from Dallas Field Data, 1980-81," *Journal of Applied Social Psychology*. Vol. 18, No. 2, April 1988, pp. 129-138.
- Powell, J., S.J. Stadler, and P.L. Claypool, "Weather Factors Affecting 22 years of Tallgrass Prairie Hay Production and Quality," *Journal of Range Management*, Vol. 39, No. 4, July 1986, pp. 354-361.
- Harries, K.D. and S.J. Stadler, "Aggravated Assault and the Urban System: Dallas 1980-81," *Journal of Environmental Systems*, Vol. 15, No. 3, 1986, pp. 243-253.
- Stadler, S.J. and K.D. Harries, "Assault and Deviations from Mean Temperatures: An Inter-year Comparison in Dallas." *Papers and Proceedings of Applied Geography Conferences*, Vol. 8, 1985, pp. 207-215.
- Harries, K.D., S.J. Stadler, and R.T. Zdorkowski, "Assault and Seasonality: The Dallas Summer of 1980." *Annals of the Association of American Geographers*. Vol. 74 (4), pp. 590-604.
- Stadler, S.J., "State Geography Using NOAA Polar-Orbiting Satellites," *Journal of Geography*. Vol. 84, No. 1, January-February 1985, pp. 20-24.
- Walsh, S.J., S.J. Stadler, and M.R. Gregory, "Modeling of Regional Evapotranspiration Through a Geographic Information System Approach." *Proceedings of the International Symposium on Spatial Data Handling*. Zurich, Switzerland: International Geographical Union, 1984. Vol. 1, pp. 252-266.
- Walsh, S.J. and S.J. Stadler, "Regional Evapotranspiration Modeling of Oklahoma's Little Washita Drainage Basin," *Proceedings of the Ninth Annual Symposium on Machine Processing of Remotely Sensed Data* (West Lafayette, IN: Purdue University, 1983), pp. 389-398.
- Harries, K.D. and S.J. Stadler, "Determinism Revisited; Assault and Heat Stress in Dallas, 1980," *Environment and Behavior*, Vol. 15, March 1983, pp. 235-236.
- Stadler, S.J. and J.E. Oliver, "The Spatial Distribution of Perceived Air Quality in Terre Haute, Indiana," *Proceedings of the Indiana Academy of Science*, Vol. 87, 1980, pp. 320-325.
- Oliver, J.E., S.J. Stadler, *et. al.*, "Nature's Predictions of Winter Severity: A Midwestern Viewpoint," *Midwestern Language and Folklore Newsletter*, Vol. 2, June 1979, pp. 7-12.
- Mausel, P.W., S.J. Stadler, L.V. Maness, Jr., and W.W. Birkhead, "Machine Processing of Satellite Multispectral Data for Coastal Zone Analysis," *Professional Paper No. 11*, Department of Geography and Geology, Indiana State University, April 1979, pp. 10-22.

Maness, Jr., L.V., P.W. Mansel, and S.J. Stadler, "LANDSAT/Land Use Planning in the Coastal Zone," *Proceedings of the Coastal Zone Symposium on Technical, Engineering, Socioeconomic and Regulatory Aspects of Coastal Zone Management*, New York: American Society of Civil Engineers, March 1978, pp. 1284-1300.

Other Publications:

Wind Power" McKnight's *Physical Geography, A Landscape Appreciation*, Twelfth Edition. Pearson Prentice-Hall 2016, p.116. [Complete revision from previous edition]]

"Changes in the South Indian Monsoon", McKnight's *Physical Geography, A Landscape Appreciation*, Twelfth Edition. Pearson Prentice-Hall 2016, p.129. [New]

"Weather Radar," McKnight's *Physical Geography, A Landscape Appreciation*, Twelfth Edition. Pearson Prentice-Hall 2016, p. 200. [Complete revision from previous edition]

Stadler, S.J. Review of *Windfall: Wind Energy in America Today* by Robert W. Righter. *Material Culture* (Spring 2014).

S.J. Stadler, 2010, "Wind Power" in *Physical Geography, A Landscape Appreciation*, Tom McKnight and Darrell Hess, 10th ed. Prentice Hall. (revised in same textbook) "Forecasting Severe Storms With NEXRAD" and "Forecasting Severe Storms With The Oklahoma Mesonet"

Stadler, S.J., Review of *When the Planet Rages. Natural Disasters, Global Warming, and the Future of the Earth*, C. Officer and J. Page. In *The Holocene* 20(5) 821-823.

Stadler, S.J., Allen Finchum, and Scott Greene, 2009. "EDGE, ZephyrBox, and Wind Power Development in Oklahoma" *Proceedings of the 42nd Frontiers of Energy Conference* (Stillwater: College of Engineering, Architecture, and Technology), pp IX-1 – IX-5.

S.J. Stadler and J.S. Greene. "Wind Works in Oklahoma," *Business Crossroads* (Newsletter of the Oklahoma Department of Commerce), Winter 2008

S.J. Stadler, "Geography at Oklahoma's Centennial," *Oklahoma Alliance for Geographic Education Newsletter*, Winter 2007, pp. 1 & 2 Reprinted in *Topographic Times* (Newsletter of Topographic, Inc.), Spring 2007, pp. 1 & 2.

S.J. Stadler and J.S. Greene. 2008 "Wind Works in Oklahoma," *Business Crossroads* (Newsletter of the Oklahoma Department of Commerce)

Stadler, S.J., J. Scott Greene, Mark Meo, Stephanie Buway, Jessica Li, 2007. "The Status of Wind Power in Oklahoma: Local Ownership" *Proceedings of the 39th Annual Frontiers of Power Conference* (Stillwater: College of Engineering, Architecture, and Technology), pp II1-II4.

Stadler, S.J. Review of *Floods, Droughts, and Climate Change*, Michael Collier and Robert Webb. In *The Holocene*. Vol 14(2) 2004, p. 314.

Hughes, T., M. Shafer, T.Simonsen, J. Traurig, N. Minsky, S.Stadler, and P.Earls. "Using Environmental Data to Attract Development: The Oklahoma Wind Power Assessment Initiative", Preprints of the 82nd Annual Meeting of the American Meteorological Society

Hughes, T., S. Stadler, P. Earls, M. Shafer, T. Simonsen, and J.Traurig. "A Detailed Oklahoma Wind Power Assessment Using Two Methods 34th Annual Frontiers of Power Conference Proceedings, OSU Energy Engineering Laboratory, pp. IV1-IV10.

Stadler, S.J. *Test Item File* to accompany McKnight and Hess' *Physical Geography, A Landscape Appreciation*, 9th ed. (Upper Saddle River, N.J.: Prentice-Hall), 2008, 3,000+ questions. (3rd edition, 1990; 4th edition, 1993; 5th edition 1995, 6th edition 1998, 7th ed, 2005).. Also *Test Item File* to accompany *Essentials of Physical Geography*, 1991. An electronic version is included with the Prentice-Hall "Test Manager" software bundle distributed with the textbook.

REPRINTED S.J. Stadler, "How New technologies Help to Forecast Severe Oklahoma Storms" In Tom McKnight *Physical Geography, A Landscape Appreciation*, 5-10th editions (Upper Saddle River, NJ: Prentice-Hall).

S.J. Stadler and J.E. Oliver, "Twenty-First Century Education in Applied Climatology", *Preprint Volume of the 11th Conference on Applied Climatology*, (Boston: American Meteorological Society, 1999), pp. 3-6.

S.J. Stadler, Review of *Living with the Adirondack Forest: Local Perspectives on Land Use Conflicts*, Catherine Knott. In *Journal of Cultural Geography*. Vol 17, No. 2, 1999, pp. 155-157

S.J. Stadler, Review of *Human Ecology and Climate Change, People and Resources of the Far North* Peterson and Johnson, eds. In *Journal of Cultural Geography*. Vol. 16, Fall/Winter 1996, pp.129-131.

S.J. Stadler, T.J. Mills, R. McPherson, and K. *Atmospheric Radiation Measurement Program Southern Great Plains Field Manual For Teachers*. (Stillwater: OSU Geography Department,1995). 92 pp. and slides.

S.J. Stadler, T.J. Mills, R. McPherson, and K. Crawford, "The ARM Education Outreach Manual for Oklahoma Teachers", Preprint volume of the *Fourth Symposium on Education*, (Boston: American Meteorological Society, 1995), pp. 59-62.

J.D. Carlson, G.W. Cuperus, R.L. Elliott, and S.J. Stadler, "Using the Oklahoma Mesonet as and Agricultural Management Tool", Preprint volume of the *21st Conference on Agricultural and Forest Meteorology* (Boston, American Meteorological Society, 1994).

S.J. Stadler, J.D. Carlson, H. Johnson, K. Crawford, and R.A. McPherson, "Inclusion of Climatic Data in a Near-Real-Time Educational Data Stream", Preprint volume of the *Eighth Conference on Applied Climatology*, (Boston: American Meteorological Society, 1993).

Wikle, T.A. and S.J. Stadler, "Developing an Integrated Teaching Laboratory for Undergraduate GIS Instruction" In: *GeoInfo Systems* Vol. 2, No. 3, March 1992, pp.46-49

Stadler, S.J. Review of "Betweenness of Place, Towards a Geography of Modernity" J. Nicholas Entrikin, *Social Science Quarterly*, Vol 73, No 2, June 1992, pp 461-62.

Crawford, K.C., F.V. Brock, R.L. Elliott, G. W. Cuperus, S.J. Stadler, H.L. Johnson, and C. A. Doswell III. "The Oklahoma Mesonet -- A 21st Century Project." Preprint volume of the *Eighth International Conference on Interactive Information and Processing Systems for Meteorology, Oceanography, and Hydrology* (Boston: American Meteorological Society, 1992), pp. 27-33.

Stadler, S.J., K.D. Harries, and L.S. Kalkstein, "A Climatological Interpretation of Heat Stress and Criminal Assault," *Proceedings of the Sixth Conference on Applied Climatology* (Boston: American Meteorological Society, 1989), pp. J5-J11. Reprinted in *Proceedings of the Ninth Conference on Biometeorology and Aerobiology* (Boston: American Meteorological Society, 1989), pp. J5-J11.

Stadler, S.J. and G.O. Carney, *A Field Guide to Central Oklahoma*, (Oklahoma State University Geography Department), 1988, 65 pp.

Stadler, S.J., "The Pulse of Oklahoma: Huntington's Theory in a Modern Setting," *Professional Paper No. 17*, Department of Geography and Geology, Indiana State University, November 1986, pp. 47-59.

Tweedie, S.W. and S.J. Stadler, "Software Review of SAMP," *The Professional Geographer*, Vol. 37, No. 4, November 1985, pp. 494-495.

Stadler, S.J. and J. Powell, "New Results from an Old Hay Study," *Oklahoma Cowman*, Vol. 23, September 1983, pp. 43, 43.

Stadler, S.J., *Descriptive Meteorology* (Stillwater, OK: Oklahoma State University Independent and Correspondence Study, 1982; revised 1988), 79 pp.

Stadler, S.J., J. Powell, E. Constance, and R. DiPiazza, *User's Manual for the Oklahoma Climatic Tapes*. (Stillwater: Oklahoma State University Water Research Institute, 1982), 40 pp., updated 1986.

Stadler, S.J. and J. Powell, "Betting on Oklahoma's Weather...Better Odds in Vegas" *Oklahoma Cowman*, February 1982, pp. 32 and 42.

Stadler, S.J., *Industrial Air Pollution and Socioeconomic Residential Patterns: A Case Study* (Ann Arbor: University Microfilms Inc., 1980), 184 pp.

Stadler, S.J., "North Carolina Coastal Zone Cover Inventory Using the Levels Classification Form of Machine Processing of Multispectral Data," in *Indiana State University Remote Sensing Laboratory Manual for Machine Processing*, 1977, Part III, pp. 1-13.

PAPERS PRESENTED (* abstract or CD published)

S.J. Stadler, J.S. Greene, and L. Wood, "A Geography of Exclusion: Potential Windpower Capacity Losses through State Zoning" American Association of Geographers, Boston, April 2017.

L. Wood and S.J. Stadler, "Spatial Implications of Oklahoma Senate Bill 808," Oklahoma South Central Arc Users Group, Moore, OK, September 2017

S.J. Stadler and J.S. Greene, "Bumps on the Grid," 50th Annual Frontiers of Power Conference, Stillwater, September 2017.

S.J. Stadler, J.S. Greene, and L. Wood, "Oklahoma Wind Pushes Through Opposition," Southwest Association of American Geographers, Huntsville, TX, October 2017.

Invited: S. J. Stadler, "The State Geographer's Position", Oklahoma State Geographic Information Council, September 9, 2017 Oklahoma City

*S.J. Stadler and J. S. Greene, "The New Anti-wind Geography of Oklahoma," Association of American Geographers, San Francisco, CA, April 2016

Becca Castleberry, J.S. Greene, and S.J. Stadler, S. Ferrell, "Impacts of Wind Power Development on Oklahoma Schools, Association of American Geographers, San Francisco, CA, April 2016

L. Wood and S.J. Stadler, "Spatial Implications of Oklahoma Senate Bill 808", Oklahoma Chapter of the South Central Arc Users Group, Moore, OK, September 2016.

Invited: S. Stadler, "The State Geographer's Position", Oklahoma State Geographic Information Council, September 9, Oklahoma City

*S.J. Stadler and J.S. Greene, "An Ill Wind Blows in Oklahoma" 49th Annual Frontiers of Powers Conference, Stillwater, OK, October 31, 2016

*S. J. Stadler and J.S. Greene, "An Unfair Industrial Landscape" Southwest Association of American Geographers-Applied Geography Conference, San Antonio, Texas, November 2105

*S. J. Stadler and J. S. Greene, "The Geography of Opposition to Oklahoma Wind Power" Association of American Geographers, Chicago, April 2015

Invited speaker and panel member, "Wind, Changing the Business Model" Strategic Energy Forum, NESI-SES, Oklahoma City, November 12, 2014.

*Stadler, S. J. and J.S. Greene, "The Geography of "No": Further Adventures in Oklahoma's Wind Power Development," Southwest Association of American Geographers, Albuquerque, New Mexico, October 2014.

*Stadler, S.J. "Tarzan and Geography: Working on Teaching the Right Things about the Physical Landscape," National Council for Geographic Education, Memphis, Tennessee, July 2014.

Invited speaker, "Wind, Oklahoma, and Controversy: How Do Tribes Fit In?" 19 Annual ITEC (Inter-tribal Environmental Council), Tulsa, 29 July 2014.

*Stadler, S.J., J. S. Greene, and M. Slattery, "Wind Climatology, Socioeconomics, and NIMBY: Two Oklahoma Towns" Association of American Geographers, Tampa, Florida, April 2014.

*Slattery, M., B. Greene, S. Greene, and S. Stadler, "The Socio-economic Impacts of Utility-Scale Wind Projects," Association of American Geographers, Tampa, Florida, April 2014.

Stadler, S.J. Invited Geography Awareness Week speaker, "Thoughts and Themes in Oklahoma Place Names," East Central University, Ada, OK, November 2013

*Stadler, S.J., J.S. Greene, and M. Slattery, "Turbines and Place: A Tale of Two Oklahoma Wind Farms," Southwest Association of American Geographers, Nacogdoches, TX, October 2012.

*S.J. Stadler and A. Al-Khayyat, "Bringing Iraq to the Wind: A Wind Power Model," Association of American Geographers, Los Angeles, CA, April 2013.

*A.Al-Khayyat and S.J. Stadler, "Estimating the Wind Resource in Data-Poor Iraq," Southwest Association of American Geographers, Las Cruces, NM, October 2012.

*J. Dryden, S.J. Stadler, and J.S. Greene, "Climate Change and Wind Power Output in Oklahoma," Association of American Geographers, New York, New York, February 2012.

*Keynote speaker. S.J.Stadler, "Geographical Implications of Large Scale Utilization of Renewable Energy Resources," International Conference on Renewable Energy Utilization, Coimbatore, India, January 2012.

Invited panel member. S.J. Stadler, "Computers, Renewable Energy, and Human Systems," International Conference on Renewable Energy Utilization, Coimbatore, India, January 2012.

*S.J. Stadler and J. S. Greene, "Divining the Next Step: Community Wind for Oklahoma." 44th Annual Frontiers of Power Conference, Stillwater, OK, October 2011.

*S.J. Stadler, "New Energy Sources." Invited paper in workshop "Food Challenges, 2011 -??: Geographical Perspectives", National Council for Geographic Education, Portland, OR, August 2011.

*S.J. Stadler, J.S. Greene, M. Morrissey, and E. Cook, "The Evolution of Wind Power Maps for Oklahoma." Association of American Geographers, Seattle, WA, April 2011.

*J. S. Greene, M. Morrissey, E. Cook, S. Stadler, "The Tale of the Maps." 43rd Annual Frontiers of Power Conference, Stillwater, OK, October 2010.

S. Stadler, "Oklahoma Place Names." Images of Oklahoma Symposium, Stillwater, OK, October 8, 2010.

*S. Stadler, A. Finchum, H. Yu, and J. S. Greene, "ZephyrBox: A Geographic Toolkit for the Wind Industry." Association of American Geographers, Washington, D.C., April 17, 2010.

*A. Finchum and S. J. Stadler "ZephyrBox: Geography Applied to Wind Power Development" Southwest Association of American Geographers, Little Rock, AR, October 2009

Invited speaker. S.J. Stadler, Allen Finchum, and J. Scott Greene "EDGE, ZephyrBox, and Wind Power Development in Oklahoma." 42nd Annual Frontiers of Power Conference, Stillwater, OK, October 2009.

Keynote speaker. S. J. Stadler, "GIS and Oklahoma Wind—The ZephyrBox Project", South Central Arc User Group Oklahoma Conference. Moore, OK, October 2009. 200+ attendees.

Invited speaker. S.J. Stadler, "Making the Wind Work in Oklahoma" at the Oklahoma Department of Rehabilitation Services Annual Conference. Oklahoma City, OK. September 2009.

Invited panel discussant. S.J. Stadler "ZephyrBox" at Oklahoma Wind Commerce 2009 meeting. Norman, OK June 2009

Invited speaker. S.J. Stadler, "Making the Wind Work in Oklahoma" at Workforce Oklahoma 2009. Oklahoma City, OK. May 2009.

Invited speaker. S.J. Stadler, "Wind Power" at Nationwide Town Hall Focus on a Just and Clean Energy Future. Stillwater, OK. April 2009.

Invited panel discussant. S.J. Stadler, 3 R's* Oklahoma Alliance for Geographic Education Spring Conference, Wind power lunch panel, 90 in attendance, April 2009

W. Li, S. Stadler, and R. Ramakumar, "Geographic Factors Affecting The Complementary Nature of Wind Energy and Insolation" Meetings of the Association of American Geographers, Las Vegas, NV, March 2009.

Li, W., S.J. Stadler, and R. Ramakumar, "Geographic Factors Affecting the Complementary Nature of Wind Energy and Insolation," Association of American Geographers, March 2009.

S.J. Stadler, "Wind Power and Tribes," 12th Annual Tribal Environmental Summit, Tulsa, OK, November 20, 2008. Invited presentation

*Li, W., S.J. Stadler, and R. Ramakumar, "An Approach to Quantify the Complementary Nature of Wind Energy and Insolation." 41st Annual Frontiers of Power Conference, Stillwater, OK, October 2008.

*Stadler, S.J. and S.A. Greene, "Landscape, Geography, and Wind Power Development in Oklahoma: What would John Oliver Do?" 31st Applied Geography Conference, Wilmington, DE, October 2008.

*Stadler, S.J. and J. S. Greene, "Wind Energy and Geography: The Oklahoma Story," invited presentation in "A New era for American Agriculture: Climate Change, Hunger, and the Energy Factor." Workshop at National Council for Geographic Education, Dearborn, MI, October 2009

Stadler, S.J. "Oklahoma Places and Place Name Geography," Keynote Address, Council of Geographic Names Authorities, Oklahoma City, September 2008.

S.J. Stadler, "Oklahoma Wind and Tribes" 13th Inter-tribal Environmental Council Conference, Oklahoma City, OK, July 2008. Invited presentation.

*Stadler, S.J., P. Bothwell, A. Finchum, B. Battle, R. Rabin, and E. Prins "Oklahoma Fire Geography: Atmosphere, Humans, and Vegetation." Association of American Geographers, Boston, April 2008.

*Li, W. and S.J. Stadler, "Exploration of Spatial Variances of the Complementary Nature between Wind Power and Solar Radiation," Association of American Geographers, Boston, April 2008.

*Stadler, S.J. "Recreation and Leisure: Impacts of Climatic Change," National Council for Geographic Education, Oklahoma City, October 2007.

*Stadler, S.J., A. Finchum, R. Rabin, B. Battles, E. Prins, and P. Bothwell. "Relationships Between Oklahoma Wildfire, Population Density, and Fuel Availability." Association of American Geographers, San Francisco, April 2007.

*S.J. Stadler, J. Li, J. S. Greene, M. Meo, and S. Buway, "The Status of Wind Power in Oklahoma: Local Ownership?" 39th Annual Frontiers of Power Conference, Stillwater, October 2006.

S.J. Stadler, A.F. Finchum, R. Rabin, P. Bothwell, E. Prins and C. Schmidt, "An Exploratory Study of Oklahoma's Wildfire Patterns Using Spatial Databases." Southwest Association of American Geographers Meetings, Norman, October 2006.

*S.J. Stadler, K. McNabb, and J. Scott Greene, "Oklahoma Wind, Present and Future," 38th Annual Frontiers of Power Conference, Stillwater, October 2005.

*S.J. Stadler, S. Greene, K. McNabb, D. Williams, and J. Li, "Comparison of Tall Tower and 10 Meter Data for Wind Power," Association of American Geographers, Chicago, March 2006.

McNabb, K., S. Greene, and S. J. Stadler, "Real Time, Real Resource", [Poster], American Wind Energy Association, May 2005

*Eddy, P. and S.J. Stadler, "The Fractional Water Index versus the Crop Moisture Index", [Poster], Association of American Geographers, Denver, March 2005

*Stadler, S.J., J.F. Rooney, Jr., S. Tweedie, S. Kileen, and E. Hardy, "A U.S. Climatology of Playable Days from Hourly Data", Association of American Geographers, Denver, March 2005.

*Jyoteshwar, R.N., K. Czajkowski, S. Stadler, and S. Goward, "Understanding the TVX Relationship between NDVI and Surface Temperature for the Varying Landscape of Oklahoma", American Geophysical Union, San Francisco, December 2004.

S.J. Stadler, J.F. Rooney, Jr., S. Tweedie, S. Kileen, and E. Hardy, "A Climatology of Playable Days for the Golf Industry", Southwest Association of American Geographers, Nacodoches, November 2004

*Stadler, S.J., J. Traurig, J. S. Greene, and A. Finchum, "Where Wind Comes Sweeping Down the Plain and Performs Work" Association of American Geographers, Philadelphia, March 2004.

*Murphy, R, S.J. Stadler, and N. Elliott, "Soil Moisture Estimation Using Landsat ETM+ Thermal Emittance", Association of American Geographers, Philadelphia, March 2004.

*Stadler, S.J., K. Czajkowski, and C. Fiebrich, "Earth Skin Temperature Comparisons Between Mesonet Infrared Sensors and MODIS Data." Applied Geography Conference, Colorado Springs, November 2003.

Bonin, J., S.J. Stadler, and N.C. Elliott, "Soil Moisture Data Via Landsat 7 ETM+ Thematic Mapper Data," New England St. Lawrence Valley Association of American Geographers, Hartford, October 2003.

Stadler, S.J., G. A. Finchum, J. Traurig, S. Greene, "Wind Comes to Oklahoma", Southwest Association of American Geographers, Stillwater, October 2003

J. Traurig, T. Hughes, S. Stadler, and P. Earls, "Oklahoma Wind Power Initiative" South Central Arc Users Group, Norman, October 2003.

T. Hughes, T. Simonsen, S. Stadler, J. Traurig, P. Earls, "Development of Two Wind Models for Oklahoma: Mass Consistent and Neural Network" American Wind Energy Association, Portland, June 2003.

S.J. Stadler, K.Czajkowski, and C. Fiebrich, "A Regional Comparison of Earth Skin Temperatures from Mesonet Infrared Sensors and MODIS Data" Association of American Geographers, New Orleans, March 2003.

V. Bernecky and S. Stadler, and K. Czajkowski. "Relationships of MODIS Surface Temperature to In Situ Temperature Measurement" Association of American Geographers, New Orleans, March 2003

T. Hughes and S. Stadler, "Oklahoma Wind Power: Current and Future Prospects", 34th Annual Energy Information Dissemination Program, Oklahoma State University Engineering Energy Laboratory, Stillwater, April 2003.

*Stadler, S.J., P. Earls, T. Hughes, T. Simonsen, and J. Traurig "A Mesoscale Statewide Wind Power Assessment for Oklahoma. 98th Annual Meeting of the Association of American Geographers, Los Angeles, April 2002.

*Mather, S., K.Czajkowski, S., and S. Goward "Estimation of Surface and Air Temperature with MODIS Data, Evaluation Using the Oklahoma Mesonet". 98th Annual Meeting of the Association of American Geographers, Los Angeles, April 2002.

*Hughes, T., M. Shafer, T. Simonsen, J. Traurig, N. Minsky, S.Stadler, and P.Earls. "Using Environmental Data to Attract Development: The Oklahoma Wind Power Assessment Initiative", 82nd Annual Meeting of the American Meteorological Society, Orlando, January 2002.

*Mather, S., K.Czajkowski, S.Stadler, and S. Goward. "Near Surface Variable Estimation with MODIS Data, Validation Using the Oklahoma Mesonet", American Geophysical Union, San Francisco, December 2001.

Hughes, T., S.Stadler, P.Earls, M.Shafer, T. Simonsen, and J. Traurig. "A Detailed Oklahoma Wind Power Assessment Using Two Methods," 34th Annual Frontiers of Power Conference , Stillwater, November 2001.

*Stadler, S. P. Earls, T. Hughes, and T. Simonsen "Preparing to Harness the Wind: Statewide Wind Power Mapping by the Oklahoma Wind Power Assessment Initiative.". 24th Applied Geography Conference, Ft. Worth, November 2001.

Hughes, T., M. Meo, M. Shafer, M. Yuan, J. Salisbury, and S.Stadler "The Oklahoma Wind Power Assessment Initiative.". Windpower 2001, Washington, D.C., June 2001.

T. Hughes, M. Meo, M. Shafer, M. Yuan, J. Salisbury, and S. Stadler "The Oklahoma Windpower Assessment Initiative." Windpower 2001, Washington, D.C., June 2001.

*S.J. Stadler, M. Langley, and L. Schmitz, "Mesoscale Landscape Impacts on Oklahoma Evapotranspiration Estimates." Association of American Geographers, New York City, February 2001.

J. Rose, K. Czajkowski, J. Coss, and S. Stadler "Surface Temperature Validation Using Southern Great Plains Experiment (SGP99) Data." Association of American Geographers, New York City, February 2001.

L. L. Schmitz, M. Langley, and S.J. Stadler, " Analysis of Variables Affecting Warm Season Soil Moisture at 7 Sites Across Oklahoma." Association of American Geographers, New York City, February 2001.

S.J. Stadler, "A Climatic Model of Playable Golf Days in the U.S." Applied Geography Conference, Tampa, October 2000.

*S.J. Stadler and H. Ouaidrari, "A 5-Year Climatology of Mesonet Data for Validation of Satellite Observations." Association of American Geographers, Pittsburgh, April 2000.

*Ouaidrari, H., S. Goward, M. Jun, Y. Xue, E. Peters, K. Czajkowski, and S. Stadler, "NOAA-AVHRR Surface Temperature Algorithm for Highly Humid Atmospheres". American Geophysical Union, Seattle, December 1999.

*S.J. Stadler and J.D. Carlson, "Site- and Area-Specific Environmental Products of the Oklahoma Mesonet", Southwest Association of American Geographers, October 1999.

S.J. Stadler and J.D. Carlson, "Application of Value-Added Products of the Oklahoma Mesonet", Applied Geography Conference, Charlotte, October 1999.

*S.J. Stadler and S.A. Woodruff, "Comparison of Rainfall Inputs in a Regional Evapotranspiration Model", Association of American Geographers, Honolulu, March 1999

* S.J. Stadler and J.E. Oliver, "Twenty-First Century Education in Applied Climatology", 11th Conference on Applied Climatology of the American Meteorological Society, Dallas, TX, January 1999.

*S.J. Stadler and Jason Walters, "Landcover-Induced Air temperature Variations in a Dense Measurement Network", Association of American Geographers, Boston, MA, March 1998.

*S.J. Stadler and J.F. Rooney, Jr. "The Climatology of Comfortable Golf Play Days at U.S. Golf Courses" Association of American Geographers, Ft. Worth, TX, April 1997

S.J. Stadler, "Applying Statewide Atmospheric Mesoscale Data to Practical Problems," Applied Geography Conference, Kansas City, MO, October 1996.

*S.J. Stadler, "Case Studies from the Oklahoma Mesonet," Association of American Geographers, Charlotte NC, April 1996.

*S.J. Stadler, "Assessing Short-Term Statewide Irrigation Needs Using Radar and Mesoscale Surface Data," Applied Geography Conference, Arlington, VA, November, 1995.

*S.J. Stadler, D. Yuen, and J. Seig, "Estimating Regional Reference Evapotranspiration from Meso-Resolution Meteorological Data," Association of American Geographers, Chicago, March 1995.

*S.J. Stadler, T.J. Mills, R. McPherson, and K. Crawford, "The ARM Educational Outreach Manual for Oklahoma Teachers", Fourth Symposium on Education, American Meteorological Society, Dallas, February, 1995.

J.D. Carlson, G.W. Cuperus, R.L. Elliott, and S.J. Stadler, "Using the Oklahoma Mesonet as an Agricultural Management Tool", 21st Conference on Agricultural and Forest Meteorology, San Diego, March 1994.

*S.J. Stadler, J. Seig, and D. Yuen, "Inclusion of NEXRAD Data in a Landscape/Atmosphere GIS", Association of American Geographers, San Francisco, March, 1994

- S.J. Stadler, F.V. Brock, J. D. Carlson, K.C. Crawford, G.W. Cuperus, M. D. Eilts, R.L. Elliott, and H.L. Johnson, "How to Use Oklahoma's Weather Mesonet", Oklahoma Academy of Science, Ada, Oklahoma, November, 1993.
- S.J. Stadler, J.C. Seig, and D. Yuen, "GIS Dataset Development for a Landscape/Atmosphere Interaction Study", Southwest Association of American Geographers, Fayetteville, Arkansas, October, 1993
- *S.J. Stadler and T.A. Wikle, "A Convergent Technology Approach for Geographic Education and Research", Association of American Geographers, Atlanta, April 1993
- *J.C. Seig and S.J. Stadler, "Development of a GIS for a Land Surface Climatology Study", Association of American Geographers, Atlanta, April 1993.
- S.J. Stadler, J.D. Carlson, H. Johnson, K. Crawford, and R.A. McPherson, "Inclusion of Climatic Data in a Near-Real-Time Educational Data Stream", Eighth Conference on Applied Climatology, Anaheim, California, January 1993.
- T.A. Wikle, S.J. Stadler, and J. Seig, "Developing a Multi-Use Computer Laboratory for Geographic Education", Oklahoma Academy of Sciences, Lawton, Oklahoma, November 1992.
- *S.J. Stadler, "Golf Course Climate Data for Inclusion in a National Golf Course Database", 15th Annual Applied Geography Conference, Denton, Texas, October 1992
- *S.J. Stadler and T.A. Wikle, "Convergent Desktop Technology and Its Meaning to Geographic Teaching and Research", Southwest Association of American Geographers, Denton, Texas, October 1992
- S.J. Stadler, "The Oklahoma Mesonet Project", (Invited) Space Science Engineering Center, University of Wisconsin, Madison, June 1992
- *S.J. Stadler, F. Brock, K. Crawford, G. Cuperus, C. Doswell, R. Elliott, H. Johnson, "Geographical Aspects of the Oklahoma Automated Mesonet", Association of American Geographers, San Diego, April 1991
- Stadler, S.J., F. Brock, K. Crawford, G. Cuperus, C. Doswell, R. Elliott, H. Johnson, "The Oklahoma Automated Mesonet: A Resource for Scientists", Oklahoma Academy of Scientists, Durant, November 1991.
- Stadler, S.J., F. Brock, K. Crawford, G. Cuperus, C. Doswell, R. Elliott, H. Johnson, "Geographic Aspects of Oklahoma's Automated Mesonet", Southwest Association of American Geographers, Nacadoches, Texas, October, 1991.
- *R.L. Elliott, F. Brock, S.J. Stadler, K.C. Crawford, G.W. Cuperus, H.L. Johnson, "MESONET: Oklahoma's Automated Weather Network." The American Society of Agricultural Engineers, Albuquerque, New Mexico, June 1991.
- Stadler, S.J., "Climate Change and Oklahoma," Soil and Water Conservation Society (Invited), Oklahoma City, Oklahoma, June 1991.
- Dolan, P.J. and S.J. Stadler, "Palmer Drought Indices as Suggested by Polar Orbiter Data," Association of American Geographers, Miami, Florida, April, 1991.
- Stadler, S.J. "Tarzan and Geography: How the Visual Media Distort Physical Geography," Southwest Association of American Geographers, San Antonio Texas, March 1991.
- *Stadler, S.J. and E. Kessler, "The Annual Precipitation 'Drop-Off' in Central Oklahoma." Association of American Geographers, Toronto, Canada, April 1990.

- Kessler, E. and S.J. Stadler, "A Summer Singularity in Precipitation in Central Oklahoma." Geosciences Day, Norman, Oklahoma, March 1990.
- Stadler, S.J. and E. Kessler, "A Singularity in Oklahoma Precipitation and Its Meaning to Oklahoma Agriculture." Southwest Social Science Association, Ft. Worth, Texas, March 1990.
- Stadler, S.J. and S.W. Tweedie, "A Climatic Myth of the Sunbelt: Part II" Southwest Association of American Geographers, Albuquerque, New Mexico, October, 1989.
- *Stadler, S.J., R.J. Rabin, D.R. Stensrud, M.R. Gregory, "Human-Induced Landscape Variability and the Initiation of Local Convection." Association of American Geographers, Baltimore, Maryland, March 1989.
- Stadler, S.J., R.J. Rabin, D.R. Stensrud, and M.R. Gregory, "Initiation of Local Convection Over an Irrigated County in Oklahoma." Southwest Social Science Association, Little Rock, Arkansas, March 1989.
- *Stadler, S.J., K.D. Harries, and L.S. Kalkstein, "A Climatological Interpretation of Heat Stress and Criminal Assault." Joint session of the Sixth Conference on Applied Climatology and the Ninth Conference on Biometeorology and Aerobiology, Charleston, South Carolina, March 1989.
- Rabin, R.M., S.J. Stadler, D. Stensrud, and M.R. Gregory "The Influence of Surface Enhanced Convection on Local Cumulus Cloud Development", Southwest Association of American Geographers, Stillwater, Oklahoma, October 1988.
- *Stadler, S.J. "Climate, Ecoregion, and Golf Course Maintenance Costs", Association of American Geographers, Phoenix, Arizona, April 1988.
- Stadler, S.J., "Historic Patterns and Differential Variability of the Palmer Drought Index in Oklahoma", Oklahoma Academy of Science, Alva Oklahoma, November, 1987.
- Stadler, S.J., "Migration of Drought Within Oklahoma", Southwest Association of American Geographers, Galveston, Texas, November, 1987.
- Stadler, S.J., "Place in Physical Geography", National Council for Geographic Education, Springfield, Missouri, October, 1987.
- Stadler, S.J. "Drought Severity and Out Migration from Oklahoma, 1895-1983." Oklahoma Water Resources Conference, Stillwater, Oklahoma, September 1987.
- *Stadler, S.J. and M.A. Simone, "Towards an Environmental Regionalization of Golf." Association of American Geographers, Portland, Oregon, April 1987.
- Stadler, S.J. and M.A. Simone, "National Environments of Golf." Southwestern Social Science Association, Dallas, Texas, March, 1987.
- Simone, M. and S.J. Stadler, "An Environmental Regionalization of Golf Course Maintenance Costs." Oklahoma Academy of Science, Tahlequah, Oklahoma, November 1986.
- *Harries, K.D. and S.J. Stadler, "Heat and Violence; New Findings from Dallas Field Data, 1980-1981." Association of American Geographers, Minneapolis, Minnesota, May 1986.
- Stadler, S.J., "The Pulse of Oklahoma." Southwest Association of American Geographers, Denton, Texas, October 1985.
- *Stadler, S.J. and K.D. Harries, "Assault and Deviations from Mean Temperatures: An Inter-year Comparison in Dallas." Eighth Annual Applied Geography Conference, Denton, Texas, October, 1985.

- *Stadler, S.J. and K.D. Harries, "Summer Temperature Deviations and Criminal Assault Frequency in Dallas." Association of American Geographers, Detroit, Michigan, April 1985.
- *Walsh, S.J., S.J. Stadler, and M.R. Gregory, "Modelling of Regional Evapotranspiration through a Geographic System Approach." International Symposium on Spatial Data Handling, Zurich, Switzerland, August 1984.
- *Stadler, S.J., P.L. Claypool, and J. Powell, "Climate and Rangeland Hay Production: A Simple Model Using the Heat Unit Concept." Association of American Geographers, Washington, D.C., April 1984.
- Stadler, S.J. and S.W. Tweedie, "Home Energy Cost and Place: The Sameness of the United States." Southwest Social Science Association, Fort Worth, Texas, March 1984.
- Walsh, S.J., J.D. Croft, and S.J. Stadler, "Satellite Reconnaissance and Computer Modelling: Techniques of Regional Water Research and Earth Science Education." Oklahoma Conference on Science and Technology, Oklahoma City, Oklahoma, December 1982 (poster paper).
- Stadler, S.J., W.A. Blanchard, and S.J. Walsh, "Oklahoma Geography Using AVHRR Data." Oklahoma Academy of Science, Tulsa, Oklahoma, November 1982.
- Stadler, S.J. and S.J. Walsh, "Water Budget Modelling Using a Geographic Information System Approach." Southwest Association of American Geographers, Norman, Oklahoma, October 1983.
- Walsh, S.J. and S.J. Stadler, "Regional Evapotranspiration Modelling of Oklahoma's Little Washita Drainage Basin." Ninth International Symposium on Machine Processing of Remotely-Sensed Data, Purdue University, West Lafayette, Indiana, June 1983.
- *Harries, K.D. and S.J. Stadler, "Assault and Seasonality: Inter-Neighborhood Variation in Dallas 1980." Association of American Geographers Annual Meetings Denver, Colorado, April 1982.
- *Williams, M.A., S.J. Walsh, and S.J. Stadler, "Utilization of Landsat Digital Data to Estimate Evapotranspiration." Association of American Geographers Annual Meetings, Denver, Colorado, April 1983 (poster session).
- *Stadler, S.J. and S.J. Walsh, "Regional Evapotranspiration Estimates Using Landcover, Soils, and Atmospheric Data." Association of American Geographers Annual Meetings, Denver, Colorado, April 1983.
- *Tweedie, S.W. and S.J. Stadler, "The Cost of Comfort in the Sunbelt." Association of American Geographers Annual Meetings, Denver, Colorado, April 1983 (poster session).
- *Stadler, S.J. and S.J. Walsh, "Water Loss to the Atmosphere: A Geographic Information System Approach." Western Social Science Association and Arid Lands Association, Albuquerque, New Mexico, April 1983.
- Stadler, S.J. and W.A. Blanchard, "A Methodology for Discerning Mesoscale Temperature Patterns Using GOES Digital Imagery." Oklahoma Academy of Science, Chickasha, Oklahoma, November 1982.
- Stadler, S.J. and S.W. Tweedie, "The Cost Disincentive of the Sunbelt Summer." Southwest Association of American Geographers, Hot Springs, Arkansas, October 1982.
- Harries, K.D. and S.J. Stadler, "The Long, Hot Summer: Another Look at the Relationship Between Heat and Violence." Southwest Association of American Geographers, Hot Springs, Arkansas, October, 1982.
- *Stadler, S.J. and K.D. Harries, "Crime and Climate Revisited: The Dallas Summer of 1980." Association of American Geographers Annual Meetings, San Antonio, Texas, April 1982.

Powell, J., P.L. Claypool, H.T. Zawi, and S.J. Stadler, "Weather Factors Affecting 23 Years of Tallgrass Prairie Hay Production and Quality." Rangeland Society Conference, Calgary Alberta, February 1982.

*Stadler, S.J. and S. Gage, "A Comparison of Satellite-Derived Michigan Temperature Patterns with Surface Temperature Observations." Association of American Geographers Annual Meetings, Los Angeles, California, April 1981.

Stadler, S.J. and J. Powell, "Water Research using Oklahoma's Climatic Tapes," Water Research Conference, Stillwater, Oklahoma, March 1981.

Stadler, S.J., "Non-parametric Machine Processing of Remotely sensed Data: A Coastal Zone Example." Invited lecture at the Department of Geography and Anthropology, Louisiana State University, May 1980.

*Stadler, S.J., "Air Pollution and Urban Socioeconomic Patterns: A Reappraisal." Association of American Geographers Annual Meetings, Louisville, Kentucky, April 1980.

Stadler, S.J. and J.E. Oliver, "The Spatial Distribution of Perceived Air Quality in Terre Haute, Indiana." Indiana Academy of Science, North Manchester, Indiana, October 1979.

Stadler, S.J., "Air Pollution and Socioeconomic Residential Patterns in Terre Haute," Invited lecture at Columbia University Geography Department, June 1979.

Stadler, S.J., "Planning Applications of Remote Sensing." Invited lecture at the Institute for Man and Environment, State University of New York, College at Plattsburg, May 1979.

*Stadler, S.J., "A Summary Index of Total Air Pollution for Use with Urban Air Quality Simulations Models." Association of American Geographers Annual Meetings, Philadelphia, Pennsylvania, April 1979.
Stadler, S.J., "Geologic Applications of Remote Sensing." Invited lecture at monthly meeting of Indiana Geologists, November 1978.

*Goward, S.N. and S.J. Stadler, "Problems Associated with Scale Concepts in Climatology." Association of American Geographers Annual Meetings, New Orleans, Louisiana, April 1978.

*Stadler, S.J. and S.N. Goward, "Identification of the U.S.G.S. Land Use Classes Through Low Cost Computer Analysis of LANDSAT Multispectral Data." Association of American Geographers Annual Meetings, Salt Lake City, Utah, April 1977.

*Mausel, P.W., L.V. Maness, Jr., and S.J. Stadler, "Machine-Processed Multispectral Data Applied to the Analysis of Coastal Wetlands Land Use." Symposium on Remote Sensing in Delineation of Coastal Wetlands, North Carolina State University, April 1976.

ELECTED OFFICES

President, Oklahoma Alliance for Geographic Education 2013-2017

Member, Oklahoma State University Faculty Council, 2008-2009

President, Oklahoma Renewable Energy Council, 2003-2004, Secretary 2008-2009, Board Member 2011-2013, Secretary 2012-2013, Board Member 2015-date

President, University Club, Oklahoma State University, 1996-99

President, Southwest Association of American Geographers, 1989-90.

Secretary/Treasurer Southwest Association of American Geographers, 1988-89.

Chairman, OSU College of Arts & Sciences Board of Faculty Representatives, 1989-90.

Vice Chairman, OSU College of Arts & Sciences Board of Faculty Representatives, 1988-89.

Chairman, Geography Section, Oklahoma Academy of Sciences, 1983-84, 1985-86, 1986-87.

Vice Chairman, Geography Section, Oklahoma Academy of Sciences, 1982-1983.

GRANTS

OKLAHOMA STATE UNIVERSITY A&S TECHNOLOGY FEE COMMITTEE

“Student Technology Fee Proposal for Physical Geography Laboratory.” Microscopes \$750

TEXAS CHRISTIAN UNIVERSITY (from NextEra Energy)

“Metrics for the Socio-Economic Impact of Two Wind Farms in Oklahoma by the Oklahoma Wind Power Initiative.” In parallel with the University of Oklahoma. PI of OSU portion of \$16,123.

OKLAHOMA STATE UNIVERSITY A&S TECHNOLOGY FEE COMMITTEE

Special tech fee funding for Geography 1114 Lab non-consumables \$1,500

U.S. DEPARTMENT OF ENERGY (2009-2011)

“Wind Powering Oklahoma”

Overall PI in tandem with Scott Greene of OU portion.

\$166,873

OKLAHOMA ECONOMIC DEVELOPMENT DEVELOPING EXCELLENCE (EDGE) (2009-2010)

“The Renewable EDGE” (Wind software development)

PI of Oklahoma State University portion of the project in tandem with Scott Greene of OU.

OSU's portion is \$285,000

OKLAHOMA STATE UNIVERSITY A&S TECHNOLOGY FEE COMMITTEE

“Student Technology Fee Proposal for Physical Geography Laboratory.” \$1,500

U.S. DEPARTMENT OF ENERGY (WIND POWERING AMERICA), 2001-2009

Principal Investigator on OSU portion (OSU portion \$10,889 for 2008-09)

OKLAHOMA DEPARTMENT OF COMMERCE (U.S. DOE STATE ENERGY PROGRAM), 2009-2010

“Oklahoma Wind Power Assessment Initiative” (OSU portion \$17,000 for 2010-11)

Principal Investigator on OSU portion

OKLAHOMA DEPARTMENT OF COMMERCE (U.S. DOE STATE ENERGY PROGRAM), 2009-2010

“Oklahoma Wind Power Assessment Initiative” (OSU portion \$20,000 for 2009-10)

Principal Investigator on OSU portion

OKLAHOMA DEPARTMENT OF COMMERCE (U.S. DOE STATE ENERGY PROGRAM), 2008-2009

“Oklahoma Wind Power Assessment Initiative” (OSU portion \$20,000 for 2009-10)

Principal Investigator on OSU portion

OKLAHOMA DEPARTMENT OF COMMERCE (U.S. DOE STATE ENERGY PROGRAM), 2007-2008

“Oklahoma Wind Power Assessment Initiative”

Principal Investigator on OSU portion

OKLAHOMA DEPARTMENT OF COMMERCE (U.S. DOE STATE ENERGY PROGRAM), 2006-2007

“Oklahoma Wind Power Assessment Initiative”

Principal Investigator on OSU portion

OKLAHOMA DEPARTMENT OF COMMERCE (U.S. DOE STATE ENERGY PROGRAM), 2005-2006

“Oklahoma Wind Power Assessment Initiative”

Principal Investigator on OSU portion

OKLAHOMA DEPARTMENT OF COMMERCE (U.S. DOE STATE ENERGY PROGRAM), 2004-2005

“Oklahoma Wind Power Assessment Initiative”

Principal Investigator on OSU portion

OKLAHOMA DEPARTMENT OF COMMERCE (U.S. DOE STATE ENERGY PROGRAM), 2003-2004
"Oklahoma Wind Power Assessment Initiative"
Principal Investigator on OSU portion

OKLAHOMA DEPARTMENT OF COMMERCE (U.S. DOE WIND POWERING AMERICA), 2004
"Supplemental funds for the Oklahoma Wind Power Initiative"
Principal Investigator on OSU portion

OKLAHOMA DEPARTMENT OF COMMERCE
"Oklahoma Wind Power Initiative: FY03 Continued research and Outreach", 2002-2003
Principal Investigator on OSU portion

OKLAHOMA STATE UNIVERSITY CENTER FOR ENERGY RESEARCH (\$24,354).
"Oklahoma Wind Power Assessment: Phase II", 2002-2003
Steve Stadler, Tim Hughes, and Allen Finchum.

OKLAHOMA STATE SENATE (\$50,000 for both universities, subcontracted from O.U.)
"Oklahoma Wind Power Initiative Activities for the Oklahoma Senate". January through June 2002.
Principal Investigator on OSU portion

OKLAHOMA DEPARTMENT OF COMMERCE, 2000-2001 (\$199,711 for both universities)
"Oklahoma Wind Power Assessment Initiative"
Co-Principal Investigator of Oklahoma State University Portion
(T. Hughes, M. Meo, M. Shafer and M. Yuan at O.U.; J. Salisbury at OSU)

OKLAHOMA STATE UNIVERSITY CENTER FOR ENERGY RESEARCH, 2000-2001
"Oklahoma Wind Power Assessment Initiative, Phase I"
Co-Principal Investigator of Oklahoma State University Portion with J. Salisbury, \$42,767
(T. Hughes, M. Meo, M. Shafer and M. Yuan at O.U.; J. Salisbury at OSU)

NASA TERRESTRIAL BIOSPHERE DYNAMICS, 1998-2001
"Terrestrial Environmental Variables Derived from EOS Platform Sensors"
Principal Investigator of Oklahoma State University Portion, \$47,000

NASA EPSCoR , 1996-2001
"Fluxes of Water and Energy at the Land Surface, Quantifying Evapotranspiration and Soil Moisture"
Investigator for Geography's portion \$107,000

NSF ACADEMIC RESEARCH INFRASTRUCTURE PROGRAM, 1997-1998
"Renovation and Modernization of Facilities for GIS and Remote Sensing Research at Oklahoma State University"
Co-principal investigator, \$160,000 + OSU Match

NSF ILI
"Simulations Laboratory for Undergraduate Geography Instruction"
Co-Investigator \$36,000
1997-1999

NASA EPSCoR, 1995
"Local Air Mass Modification"
Principal Investigator \$13,600

NSF EPSCoR, 1992-1995

"Oklahoma Surface Water Hydrology Cluster"

Principal Investigator of Landscape/Atmosphere Interactions portion; \$174,000

OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION, 1995, 1996, 1998

"Futures in Science and Mathematics", Summer 1995 \$35,000; Summer 1996, \$35,000, Summer 1998, \$39,995

Co-principal investigator

U.S. DEPARTMENT OF ENERGY, ATMOSPHERIC RADIATION MEASUREMENT PROGRAM 1993-1995

"Educational Support Program Southern Great Plains ARM CART Locale"

Principal Investigator OSU portion; \$88,000

NSF INSTRUMENTATION AND LABORATORY IMPROVEMENT

"Undergraduate Training Facility for Land and Atmospheric Information"

Co-Investigator; \$64,000

U.S. DEPARTMENT OF ENERGY, OKLAHOMA UNIVERSITY, OKLAHOMA STATE UNIVERSITY

"Oklahoma Automated Mesonetnetwork"

Steering Committee Member

Total implementation budget was \$2.7 million

NOAA, Office of Global Programs

"Application of Satellite Data Bases to Determine the Influence of Vegetation and Soil Moisture on Clouds and Regional Energy Budgets"

Principal Investigator of OSU portion; \$14,000

OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION Telecommunications Grant

"Telecommunications, Education, and the Oklahoma Mesonetnetwork"

Principal Investigator of OSU portion; \$14,000

OKLAHOMA WATER RESEARCH INSTITUTE, 1981, 1982, 1987

OKLAHOMA STATE UNIVERSITY COLLEGE OF ARTS AND SCIENCES, 1981, 1982

MICHIGAN STATE UNIVERSITY FOUNDATION, 1980

INDIANA ACADEMY OF SCIENCE (dissertation), 1978

COURSES TAUGHT

Current:

Climatology

Meteorology

Online Meteorology

Physical Geography

Honors Physical Geography Add-on

Physical Geography Laboratory (Coordination of Teaching Assistants and Laboratory Materials for 400 students per term)

Past Courses:

Applied Climatology

Progress in Physical Geography (Graduate)

Honors Physical Geography

Air Photo Interpretation

Advanced Remote Sensing
Biometeorology
Geography of Environmental Quality
Geographical Analysis (Graduate)
Remote Sensing of Climate
Weather and Flight (University Extension)
Honors Physical Geography

SIGNIFICANT DEPARTMENTAL SERVICE

Graduate Advisor 1994-1999, 2002-2005
Personnel Committee Chair 1993-94, 1999-00, 2003-04, 2004-05, 2006-07, 2008-09, 2011-12, 2012-2013, 2017 (partial)
Personnel Committee member 1980-1981, 1983-1984, 1988-89, 1990-91, 1993-1994, 1995, 2004, 2010, 2011, 2012, 2013, 2016

RELATED EXPERIENCE

- Oklahoma State University, North Central Association Self Study Criterion 2, committee member 2003-2006.
- MESONET Steering Committee 1988-date. Instrumentation of Oklahoma with 100+ automated weather observation sites and operation of the system.
- Steering Council, OSU Environmental Sciences Graduate Program, 1991-date
- Local Arrangements Committee, Association of American Geographers Ft. Worth Meetings, 1996-1997.
- Curricular Affairs Committee, College of Arts & Sciences, Oklahoma State University, 2001-2004 (chair 2004)
- Tenure and Promotion Committee, College of Arts and Sciences, Oklahoma State University, 1990-92, 2000-2001
- Board of Faculty Representatives, College of Arts and Sciences, Oklahoma State University, 1985-86, 1987-89, 1992-93.
- Board of Directors, University Club, Oklahoma State University, 1987-88.
- Sabbatical Leave Committee, College of Arts and Sciences, Oklahoma State University, 1986-89.
- Data Preservation Committee, International Land Surface Climate Program (Sponsored by COSPAR and IAMAP), 1984-85.
- Natural Science Action Committee (Screening of University Science Course Offerings), 1983-86.
- Job Placement Committee, Association of American Geographers, 1982.
- Southwest Association of American Geographers Representative to Convention Placement Service at National Meetings, 1981.
- Advisor, Chi Chapter, Gamma Theta Upsilon Geography Honorary, 1981-1985.
- Faculty Investigator, Center for Remote Sensing, Michigan State University, 1979-1980.
- State Climate Advisory Group for Michigan, 1979-1980.

MEMBERSHIPS

The Honor Society of Phi Kappa Phi
Gamma Theta Upsilon Geographic Honorary
Association of American Geographers
National Council for Geographic Education
American Meteorological Society
American Society of Photogrammetry

PROFESSIONAL REVIEWS PERFORMED

McGraw Hill *Yearbook of Science & Technology*
Material Culture
Journal of Theoretical and Applied Climatology

Journal of Applied Geography
Journal of Industrial Ecology
National Geographic Society
National Science Foundation (peer reviews, panel reviews, and panel chair)
NASA
Polar Geography
Photogrammetric Engineering and Remote Sensing
The Professional Geographer
Physical Geography
International Journal of Industrial Ecology
Journal of Geography
Journal of Geophysical Research --Atmospheres
The Holocene
Papers and Proceedings of the Applied Geography Conferences
Transactions in GIS
Oklahoma Academy of Science Proceedings
Journal of Cultural Geography
Prentice-Hall
Random House
Saunders College Publishing
Charles E. Merrill Publishing Company
WCB McGraw-Hill
West Publishing Company
John Wiley and Sons
Oklahoma Climatological Survey
University of Oklahoma Press
Kansas NASA EPSCoR state project

TENURE AND PROMOTION REVIEWS PERFORMED

University of Arkansas Little Rock
Humboldt State University
The University of Arkansas
The University of Toledo
The University of Oklahoma
The University of North Texas
Kansas State University
Oregon State University
Texas State University
The University of New Mexico
The University of Wisconsin-Milwaukee
The University of Michigan-Flint

PROFESSIONAL MEETINGS & SESSIONS ARRANGED

National Council for Geographic Education, Oklahoma City October 2007, local arrangements committee
Oklahoma Wind Power and Bioenergy Conference, June 2003, planning committee member
Wind and Bioenergy: Oklahoma Crops for the 21st Century, April 2002, planning committee member
Oklahoma Wind Power: Emerging Opportunities, May 2001, planning committee member
Applied Climatology session of Applied Geography meetings, Albuquerque, New Mexico, November 1997
Southwest Association of American Geographers, Stillwater, Oklahoma, October 1988.
Applied Geography Conference, Climatology Session, Denton, TX, October 1985.
Oklahoma Academy of Science Geography Technical Sessions, November 1984, November 1985, November 1986.

International Land Surface Climatology Project Retrospective Analysis Project North American Investigators Meeting, Stillwater, OK, November 1985.

SESSIONS CHAIRED

Association of American Geographers
Southwest Division American Association of Geographers
Applied Geography Conference
Oklahoma Academy of Science
Oklahoma Water Conference