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VITA

Jeffrey A. Lee

Professor of Geography
Interim Chair
Department of Geosciences
Texas Tech University
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Education

- B.A. University of California, Los Angeles, 1979
Geography—Analysis and Conservation of Ecosystems
- M.A. University of California, Los Angeles, 1984
Geography (Thesis title: Sand Transport on a Barchan Dune)
- Ph.D. Arizona State University, 1990
Geography (Dissertation title: The Effect of Desert Shrubs on
Shear Stress from the Wind: An Exploratory Study)

Primary Research Area: wind erosion (as natural process and human influences on)

Primary Teaching Areas: physical geography, geomorphology, arid lands, field methods,
integrated science, science education

Positions Held

- 2009- Professor, Department of Geosciences, Texas Tech University
- 1994-09 Associate Professor, Dept. of Economics & Geography, Texas Tech University
- 1988-94 Assistant Professor, Dept. of Geography, Texas Tech University
- 1988 Instructor, Department of Earth Science, Palomar College
- 1987 Lecturer, Department of Geography, San Diego State University
- 1985-87 Research Associate, Arizona State University Planetary Geology Group
- 1984-85 Instructor, Department of Geography, Arizona State University
- 1984 Research Associate, Arizona Laboratory of Climatology

Courses Taught

Arizona State University:

Introduction to Physical Geography
Cartography

San Diego State University

Conservation of Natural Resources
Geography of the United States

Palomar College

Physical Geography

Texas Tech University

Undergraduate

Physical Geography
Physical Geography Laboratory
Geomorphology in Environmental Management
Field Seminar in Physical Geography
Principles of Remote Sensing
Environmental Change
Geographic Information Systems
Introduction to Mapping
Geography of Arid Lands
Freshman Seminar
Honors Seminar in Science
Internship in Geography
Seminar in Geography

Graduate

Advanced Physical Geography
Digital Processing and Analysis in Remote Sensing
Seminar in the Geography of Arid Lands
Nature of Science for Teachers
Advances in Historical Geology (taught as Earth Science course for science teachers)

Graduate Student Committees

Completed

Kelli S. Grant, MS in Interdisciplinary Studies (Environmental Evaluation), 1991
Ronald Roberts, MS in Interdisciplinary Studies (Environmental Evaluation), 1992,
(Chair)
Vietdung Doan, MS, Interdisciplinary Studies (Environmental Evaluation), 1992
(Chair),

Kenneth C. Craft, MA, Anthropology, 1993
 Salvatore Garcia, Ph. D., Land Use Planning, Management & Design, 1993
 Joseph L. Denton, MS, Interdisciplinary Studies (Environmental Evaluation), 1993
 (Chair)
 Troy Stuckey, MS, Interdisciplinary Studies (Environmental Evaluation), 1993 (Co-
 chair)
 James Kent Hicks, MS, Interdisciplinary Studies (Environmental Evaluation), 1993
 Eric Austin Schroeder, MS, Interdisciplinary Studies (Environmental Evaluation),
 1993
 Donald Crocker, MS, Environmental Technology Management, 1995
 J. Kelly Attebury, MS, Plant and Soil Science, 1997
 Martha Marsh, MS, Interdisciplinary Studies (Environmental Evaluation), 1998
 (Chair)
 Peter Skylstad, MS, Biological Sciences, 1998
 Terrel Bundrant, MS, Interdisciplinary Studies (Environmental Evaluation), 1998
 (Chair)
 Christopher Phillips, MS, Interdisciplinary Studies (Environmental Evaluation), 1999
 (Chair)
 Kelly Allen, PhD, Biological Sciences, 2000
 Sandra Chitwood, MS, Interdisciplinary Studies, 2000
 Alejandro Amante-Orozco, PhD, Plant and Soil Science, 2000
 Christopher Lalich, MS, Landscape Architecture, 2000
 John R. Mitchell, MA, Interdisciplinary Studies (Museum Science), 2001
 Andrea Ernst, MS, Biological Sciences, 2001
 Bradley Neu, MS, Multidisciplinary Science, 2002 (Chair)
 Jason Lindeman, MS, Interdisciplinary Studies (Environmental Evaluation), 2002
 (Chair)
 Samuel Whitehead, MS, Interdisciplinary Studies (Environmental Evaluation), 2002
 (Chair)
 Mary Catherine Box, MS, Multidisciplinary Science 2003 (Chair)
 John Baker, MS, Multidisciplinary Science 2003 (Chair)
 Lorretta Ray, MS, Multidisciplinary Science, 2003
 De'Sanne Merritt Fluitt, MS, Multidisciplinary Science, 2003 (Chair)
 Kayla Morrison, MS, Multidisciplinary Science, 2003
 Teresa Reed, MS, Multidisciplinary Science, 2003 (Chair)
 Emma Lovering-Hintze, MS, Multidisciplinary Science, 2003
 Tobi McMillan, MS, Multidisciplinary Science, 2003 (Chair)
 Michael Hill, MS, Multidisciplinary Science, 2003 (Chair)
 Jeanette Hardin, MS, Multidisciplinary Science, 2003 (Chair)
 Karen Marshall, MS, Multidisciplinary Science, 2003 (Chair)
 Robert Babb, MS, Multidisciplinary Science, 2003 (Chair)
 Betty Stennett, MS, Multidisciplinary Science, 2003
 Dan O'Brien, PhD, Biological Sciences, 2003
 Jason Bewley, MS, Environmental Technology Management, 2004

Joe Hargis, MS, Interdisciplinary Studies, 2004 (Chair)
Lisa Alexander, MS, Multidisciplinary Science, 2004
Cornel Oduor, Interdisciplinary Studies, 2004 (Chair)
Lindi Van Heuklon, MS, Interdisciplinary Studies, 2005 (Chair)
Don Scroggins, MS, Multidisciplinary Science, 2005
Amy Hill, MS, Multidisciplinary Science, 2005
Aaron Greene, MS, Multidisciplinary Science, 2005
Donnie Dutton, MS, Multidisciplinary Science, 2005
Lisa Rich, MS, Multidisciplinary Science, 2005
Katie Moore, Interdisciplinary Studies, 2006
Jonnine Weeks, MS, Multidisciplinary Science, 2008
Sarah Anderson, MS, Multidisciplinary Science, 2008
Cheryl Mosher, MS, Multidisciplinary Science, 2008
Melissa Duncan, MS, Multidisciplinary Science, 2008
Amanda Potter, MS, Multidisciplinary Science, 2008
Leland Turner, PhD, History, 2008
Thomas H. Benton, Interdisciplinary Studies, Arid Lands (Chair), 2008
Martha Marsh, MA, History, 2008
Sari Moyer, MS, Interdisciplinary Studies, 2009
Jenny Jo Cox, MS, Plant and Soil Science, 2009
Ada Warren, MS, Interdisciplinary Studies, 2010
Renaldo Arroyo, Interdisciplinary Studies, 2011 (Chair)
Brandy Land, MS, Multidisciplinary Science, 2011
Sean McFarland, Multidisciplinary Science, 2011
Paula Everett, Multidisciplinary Science, 2011
Karlton Land, Multidisciplinary Science, 2011
Michael Thornton, Multidisciplinary Science, 2011
Natasha Cox, Multidisciplinary Science, 2011
Christopher Van Nice, MS Geography
Sam Whitehead, PhD, Land Use Planning, Management and Design (Chair)
Mark Vaughn, MS Interdisciplinary Studies (Chair)
Dorothy Davis, MS Multidisciplinary Science
Jeremy Wagner, MS Multidisciplinary Science
Shane Burk, MS Multidisciplinary Science
Rachel Lamm, MS Multidisciplinary Science
Sherry Wagner, MS Multidisciplinary Science
Caitlin Grann, MS Geography
Thomas Mockford, MS Arid Lands Studies (Chair)
Joseph Massey, MS Arid Lands Studies (Chair)
Porfirio Peinado, PhD Environmental Science and Engineering (Univ. Texas El Paso)

In Progress

Editorial Positions

Co-Editor-in-Chief, *Aeolian Research*, Elsevier, <http://ees.elsevier.com/aeolia/>
 Topic Editor, Encyclopedia of Earth <http://www.eoearth.org/>

Publications Under Review/In Press

Lee, J.A., editor, *The Nature of the Llano Estacado* (edited book on natural history of the Llano Estacado region of Texas and New Mexico). Submitted to Texas A&M University Press.

Lee, J. A., Chapter 1, Introduction: The Nature of the Llano Estacado
 Lee, J. A. and Mulligan, K. R., Chapter 4, Climate Data for the Llano Estacado

Publications: Books

Lee, J. A., 2000, *The Scientific Endeavor: A Primer on Scientific Principles and Practice*. San Francisco: Addison Wesley Longman, 186 p.

Lee, J. A., 2010, *The Scientific Endeavor: Methodology and Perspectives of Sciences*. Delhi: Pearson, 100 p. {This is a condensed version of *The Scientific Endeavor* for South Asian countries.}

Lee, J. A. and Zobeck, Ted M., eds., 2002, *Proceedings of ICAR5/GCTE-SEN Joint Conference*, International Center for Arid and Semiarid Lands Studies, Texas Tech University, Lubbock, Texas, USA Publication 02-2, 462 p.

Podcast:

Lee, J. A. and Banks, C., 1998, "The Dust Bowl's Musical Legacy;" <http://itunes.ttu.edu>. (click on "Texas Tech on iTunes", then "Performing Arts")

Published Papers

Lee, J. (2013). *Gilbert, Grove Karl*. In, Encyclopedia of Earth. www.eoearth.org/view/article/51f7dc470cf2b3d06e25aa6f

Lee, J.A., Baddock, M.C., Mbuh, M.J. and Gill, T.E., 2012, Geomorphic and Land Cover Characteristics of Aeolian Dust Sources in West Texas and Eastern New Mexico, USA. *Aeolian Research*, v. 3. p. 459-466. doi:10.1016/j.aeolia.2011.08.001

[Chris Van Nice](#) (Lead Author); [Jeffrey Lee](#) (Contributing Author); [Mark McGinley](#) (Topic Editor) "Meig's Maps of Arid and Semiarid Regions". In: Encyclopedia of Earth. Eds. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment).
http://www.eoearth.org/article/Meig%27s_Maps_of_Arid_and_Semiarid_Regions?top

[ic=49460](#)>

[Jeffrey Lee](#) (Lead Author); [Peter Saundry](#) (Topic Editor) "Bagnold, Ralph A.". In: Encyclopedia of Earth. Eds. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). First published in the Encyclopedia of Earth July 18, 2011; <[http://www.eoearth.org/article/Bagnold, Ralph A.](http://www.eoearth.org/article/Bagnold,_Ralph_A.)>

[Jeffrey Lee](#) (Lead Author); C Michael Hogan PhD. (Topic Editor). "Wallace, Alfred Russel". In: Encyclopedia of Earth. Eds. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). [First published in the Encyclopedia of Earth September 21, 2010; Last revised Date October 29, 2010; <<http://www.eoearth.org/articles/view/158664/?topic=49508>>

[Catherine Lee](#), [Renaldo Arroyo](#), [Jeffrey Lee](#), [Mark Dimmitt](#) (Lead Author); [Arizona-Sonora Desert Museum](#) (Contributing Author); [Mark McGinley](#) (Topic Editor) "Deserts of North America". In: Encyclopedia of Earth. Eds. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). [First published in the Encyclopedia of Earth December 18, 2009; Last revised Date October 16, 2011; <http://www.eoearth.org/article/Deserts_of_North_America>

Lee, J.A. and Zobeck, T.M., 2009, Aeolian Research, *Aeolian Research* v. 1 p. 1. [doi:10.1016/j.aeolia.2009.06.001](https://doi.org/10.1016/j.aeolia.2009.06.001)

Lee, Jeff (Lead Author); Kevin Vranes (Topic Editor). 2009. "History of the Greenhouse Effect and Anthropogenic Global Warming Research." In: Encyclopedia of Earth. Eds. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). [Published in the Encyclopedia of Earth September 10, 2009; Retrieved September 10, 2009]. <http://www.eoearth.org/article/History_of_the_Greenhouse_Effect_and_Anthropogenic_Global_Warming_Research> Also published at <http://www.camelclimatechange.org/articles/view/153530/>

Lee, Jeff (Lead Author); Peter Saundry (Topic Editor). 2009. "Davis, William Morris." In: Encyclopedia of Earth. Eds. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). [Published in the Encyclopedia of Earth August 17, 2009; Retrieved August 25, 2009] <[http://www.eoearth.org/article/Davis, William Morris](http://www.eoearth.org/article/Davis,_William_Morris)>

Lee, Jeff (Lead Author); Peter Saundry (Topic Editor). 2009. "Galileo." In: Encyclopedia of Earth. Eds. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). [Published in the Encyclopedia of Earth May 4, 2009; Retrieved May 5, 2009].

<http://www.eoearth.org/article/Galileo>

Lee, Jeff (Lead Author); Stephen J. Reid (Topic Editor). 2009. "Milankovitch cycles." In: Encyclopedia of Earth. Eds. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). [Published in the Encyclopedia of Earth April 24, 2009; Retrieved April 27, 2009].
http://www.eoearth.org/article/Milankovitch_cycles Also published at
<http://www.camelclimatechange.org/articles/view/154612/>

Lee, Jeff (Lead Author); John Shroder (Topic Editor). 2009. "Wegener, Alfred." In: Encyclopedia of Earth. Eds. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). [Published in the Encyclopedia of Earth March 9, 2009; Retrieved March 10, 2009].
 <http://www.eoearth.org/article/Wegener,_Alfred>

Cleveland, Cutler and Jeffrey A. Lee (Lead Authors); Peter Saundry (Topic Editor). 2009. "Hutton, James." In: Encyclopedia of Earth. Eds. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). [First published in the Encyclopedia of Earth April 21, 2007; Last revised February 20, 2009; Retrieved February 20, 2009].
http://www.eoearth.org/article/Hutton,_James

Lee, Jeff (Lead Author); Cutler J. Cleveland (Contributing Author); Peter Saundry (Topic Editor). 2009. "Milankovitch, Milutin." In: Encyclopedia of Earth. Eds. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). [First published in the Encyclopedia of Earth September 15, 2006; Last revised March 9, 2009; Retrieved March 10, 2009].
http://www.eoearth.org/article/Milankovitch,_Milutin Also published at
<http://www.camelclimatechange.org/articles/view/154611/>

Lee, J. A, Gill, T. E., Mulligan, K. R., Dominguez Acosta, M, and Perez, A E., 2009, Land Use/Land Cover and Point Sources of the 15 December 2003 Dust Storm in Southwestern North America, *Geomorphology*; v. 105, p. 18-27.
 doi:10.1016/j.geomorph.2007.12.016

Lee, J. A., 2007, John Wesley Powell, *Focus on Geography*, v. 50, no. 2, p. 34-36.
 Reprinted at: Lee, Jeff (Lead Author); AGS Focus on Geography (Content source); Peter Saundry (Topic Editor). 2009. "Powell, John Wesley." In: Encyclopedia of Earth. Eds. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). [Published in the Encyclopedia of Earth March 5, 2009]. <http://www.eoearth.org/article/Powell,_John_Wesley>

Lee, Jeffrey A., 2005, George Perkins Marsh; *Focus on Geography*, v. 48, no. 3, p. 35-36.
 Reprinted as part of: Cleveland, Cutler and Jeffrey A. Lee (Lead Authors); Brian Black

and Eric Zencey (Contributing Authors); Peter Saundry (Topic Editor). 2009. "Marsh, George Perkins." In: Encyclopedia of Earth. Eds. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). [First published in the Encyclopedia of Earth September 21, 2006; Last revised February 26, 2009; Retrieved April 24, 2009].
<http://www.eoearth.org/article/Marsh,_George_Perkins>

Lee, Jeffrey A., 2004, Explaining the Plagues of Egypt, *Skeptical Inquirer*, v.28, no. 6, p. 52-54.

Lee, Jeffrey A., 2004, Charles Darwin and Thomas Henry Huxley, *Focus on Geography*, v. 47, no. 4, p. 34-36.

Darwin portion reprinted in: Lee, Jeff and Radha Chitale (Lead Authors); AGS Focus on Geography (Content source); Mark McGinley (Topic Editor). 2009. "Darwin, Charles." In: Encyclopedia of Earth. Eds. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). [First published in the Encyclopedia of Earth August 31, 2007; Last revised October 19, 2009; Retrieved October 20, 2009].
<http://www.eoearth.org/article/Darwin,_Charles>

Huxley portion reprinted in: Lee, Jeff (Lead Author); AGS Focus on Geography (Content source); Mark McGinley (Topic Editor). 2009. "Huxley, Thomas Henry." In: Encyclopedia of Earth. Eds. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). [Published in the Encyclopedia of Earth March 29, 2009; Retrieved March 30, 2009]. <http://www.eoearth.org/article/Huxley,_Thomas_Henry>

Stout, J. E. and Lee, J. A., 2003, Indirect Evidence of Wind Erosion Trends on the Southern High Plains of North America; *Journal of Arid Environments* v. 55, p. 43-61.

Lee, Jeffrey A., 2002, Book Review of 'George Perkins Marsh: Profit of Conservation,' *Geomorphology* v. 46, p. 146.

Lee, Jeffrey A., 2002, Book Review of 'The Ice Finders: How a Poet, a Professor, and a Politician Discovered the Ice Age,' *Geomorphology*, v. 46, p. 146-147.

Lee, J. A. and Greeley, Ronald, 2002, Shrub Spacing and Surface Shear Stress Distributions: A Wind Tunnel Study, in, Lee, J. A. and Zobeck, Ted M., eds., 2002, *Proceedings of ICAR5/GCTE-SEN Joint Conference*, International Center for Arid and Semiarid Lands Studies, Texas Tech University, Lubbock, Texas, USA Publication 02-2, p. 39.

Lee, Jeffrey A., 2002, Louis Agassiz, *Focus on Geography*, v. 47, no. 2, p. 30-31.
Reprinted at: Lee, Jeff (Lead Author); AGS Focus on Geography (Content source); Peter Saundry (Topic Editor). 2009. "Agassiz, Louis." In: Encyclopedia of Earth.

- Eds. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). [Published in the Encyclopedia of Earth March 5, 2009].
<http://www.eoearth.org/article/Agassiz,_Louis>
- Lee, Jeffrey A., 2001, Alexander von Humboldt, *Focus on Geography*, v. 46, no. 3, p. 29-30.
Reprinted at: Lee, Jeff (Lead Author); AGS Focus on Geography (Content source); Peter Saundry (Topic Editor). 2009. "Von Humboldt, Alexander." In: Encyclopedia of Earth. Eds. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). [Published in the Encyclopedia of Earth March 5, 2009].
<http://www.eoearth.org/article/Von_Humboldt,_Alexander>
- Lee, J. A. and McGinley, M. A., 2001, Real Research in a Non-Majors Science Course, *Strategies for Success*, A Benjamin/Cummings Publication for Science Instructors (Spring 2001).
- Lee, J. A., 2000, Book Review of 'Surveying the Record: North American Scientific Exploration to 1930,' *The Geographical Review*, v. 90, no. 1, p. 138-139.
- Lee, Jeffrey A., Attebury, J. Kelly, and Skylstad, Peter L., 1999, Soil Erosion Control Measures on the Southern High Plains, 1930s-1980s: Desert Development: The Endless Frontier, Proceedings of the Fifth International Conference on Desert Development, 11-16 August 1996, vol. 2, International Center for Arid and Semiarid Land Studies, Texas Tech University, Lubbock, Texas, p. 710-714.
- Lee, Jeffrey A., 1999, Outgoing Chair's Comments: Whining About the *Annals: Geomorphorum: Newsletter of the Geomorphology Specialty Group of the Association of American Geographers*, Spring/Summer 1999; Archived at <http://www.aag-gsg.org/geomorphorum.shtml>.
- Lee, Jeffrey A., 1999, Notes from the Chair: Irredundant Repetition: *Geomorphorum: Newsletter of the Geomorphology Specialty Group of the Association of American Geographers*, Fall/Winter 1998; Archived at <http://www.aag-gsg.org/geomorphorum.shtml>.
- Lee, Jeffrey A., 1998, Book Review of 'The Scientific Nature of Geomorphology: Proceedings of the 27th Binghamtom Symposium in Geomorphology': *Geomorphology*, v. 22, p. 373-374.
- Lee, Jeffrey A., 1997, Book Review of 'Geomorphology of Desert Dunes': *Annals of the Association of American Geographers*, v. 87, p. 548-549.

- Ringquist, E. J., Lee, J. A., and Ervin, R. T., 1995, Evaluating the Environmental Effects of Agricultural Policy: The Soil Bank, the CRP, and Airborne Particulate Concentrations, *Policy Studies Journal*, v. 23, p. 519-533.
- Lee, J. A., 1995, The International System of Units and its Use in Geography and Related Disciplines; *Journal of Geography*, v. 94, p. 592-598.
- Lee, J. A. and Tchakerian, V. T., 1995, Magnitude and Frequency of Blowing Dust on the Southern High Plains of the United States, 1947-1989: *Annals of the Association of American Geographers*, v. 85, p. 684-693.
- Gregory, J. M., Lee, J. A., Wilson, G. R., and Singh, U. B., 1995, Modeling Seasonal Patterns of Blowing Dust on the Southern High Plains; in, Tchakerian, V. P., ed., *Desert Aeolian Processes*, Chapman & Hall, London, p. 233-250.
- Williams, S. H. and Lee, J. A., 1995, Aeolian Saltation Transport Rate: An Example of the Effect of Sediment Supply: *Journal of Arid Environments*, v. 30, p. 153-160.
- Lee, J. A., 1995, Book Review of 'Coastal Dunes: form and process': *Geomorphology*, v. 11, p. 347.
- Lee, J. A., 1994, Book Review of 'The Dynamics and Environmental Context of Aeolian Sedimentary Systems': *Geomorphology*, v. 8, p. 337-338.
- Gregory, J. M., Lee, J. A., Peterson, R. E., and Wilson, G. R., 1994, Modeling Wind and Relative Humidity Effects on Air Quality: *Proceedings, Aerosols and Atmospheric Optics*, Snowbird, Utah, Vol. A, p. 757-766
- Lee, J.A., Allen, B.L., Peterson, R.E., Gregory, J.M., and Moffett, K.E., 1994, Environmental Controls on Blowing Dust Direction at Lubbock, Texas, USA: *Earth Surface Processes and Landforms*, v. 19, p. 437-449.
- Ervin, R. T. and Lee, J. A., 1994, Impact of Conservation Practices on Airborne Dust in the Southern High Plains of Texas: *Journal of Soil and Water Conservation*, v. 49, p. 430-437.
- Lee, J. A. and Jones, L. L., 1993, Teaching the Process of Science in Geography Courses: *Journal of Geography*, v. 92, p. 223-226.
- Singh, U. B., Peterson, R. E., Lee, J. A., Wilson, G. R., and Gregory, J. M., 1993, Drought Amplification of Dust Concentration and Reduced Visibility: American Society of Agricultural Engineers Meeting Presentation Paper No. 932115, Spokane, Washington, 14 p.

- Lee, J. A., Wigner, K. A., and Gregory, J. M., 1993, Drought, Wind and Blowing Dust on the Southern High Plains of the United States: *Physical Geography*, v. 14, p. 56-67.
- Singh, U. B., Gregory, J. M., and Lee, J. A., 1993, Erosion to Dust: A Fundamental Prediction Procedure: Proceedings of the 7th U.S. National Conference on Wind Engineering, Los Angeles, p. 689-698.
- Lee, Jeffrey A., Gregory, James M., and Singh, Udai B., 1992, A Comparison of Model Predictions for Wind Erosion and Visibility Records at Lubbock, Texas; *Papers and Proceedings of the Applied Geography Conference*, v. 15, p. 10-14. [reprinted in *Research in Contemporary and Applied Geography: A Discussion Series*, v. 17, no. 1, 1993, Department of Geography, State University of New York, Binghamton, NY]
- Lee, J. A., 1992, Book Review of 'To Interpret the Earth: Ten ways to be wrong': *Sedimentary Geology*, v. 76, p. 115.
- Ervin, R. T., and Lee, J. A., 1992, Impact of Soil Conserving Practices on Airborne Dust in the Southern High Plains of Texas, Chapter 5 of Ervin, R. T. and Johnson, P. N., *Economic Evaluation of the Conservation Reserve Program in the Southern High Plains of Texas*: Department of Agricultural Economics, Texas Tech University, p. 109-134. [early version of Ervin and Lee, 1994, *J. Soil and Water Conservation*; see above]
- Gregory, James M., Singh, Udai B., Lee, Jeffrey A., and Fedler, Clifford B., 1991, Dust Hours, Visibility, and Wind Erosion Prediction: American Society of Agricultural Engineers Meeting Presentation Paper No. 914007, Albuquerque, New Mexico, 13 p.
- Lee, J. A., 1991, Near Surface Wind Flow Around Desert Shrubs: *Physical Geography*, v. 12, p. 140-146.
- Lee, J. A., 1991, The Role of Desert Shrub Size and Spacing on Wind Profile Parameters: *Physical Geography*, v. 12, p. 72-89.
- Lee, Jeffrey A., 1987, A Field Experiment on the Role of Small Scale Wind Gustiness in Aeolian Sand Transport: *Earth Surface Processes and Landforms*, v. 12, p. 331-335.
- Lee, J. A., and Greeley, R., 1987, Determination of Surface Shear Stress with the Naphthalene Sublimation Technique: *Reports of the Planetary Geology and Geophysics Program-1986*: NASA Technical Memorandum 89810, p. 285-287.
- Lee, J. A., and Greeley R., 1987, Reynolds Number Effects on Surface Shear Stress Patterns Around Isolated Hemispheres: *Reports of the Planetary Geology and Geophysics Program*: NASA Technical Memorandum 89810, p. 282-284.

Sullivan, Robert, Lee, Jeffrey, and Greeley, Ronald, 1987, Development of Wind Tunnel Techniques for the Solution of Problems in Planetary Aeolian Processes: *Reports of the Planetary Geology and Geophysics Program-1986*: NASA Technical Memorandum 89810, p. 276-278.

Lee, Jeffrey A., 1987, Book Review of 'Physics of Desertification': *The Professional Geographer*, v. 39, no. 4, p.496.

Brazel, A. J., Nickling, W. G., and Lee, J. A., 1986, Effect of Antecedent Moisture Conditions on Dust Storm Generation in Arizona, in Nickling, W.G., ed., *Aeolian Geomorphology*: Allen and Unwin, Inc., Boston, p. 261-271.

Lee, Jeffrey A., 1986, Origin of Mounds Under Creosote Bush (*Larrea tridentata*) on Terraces of the Salt River, Arizona: *Journal of the Arizona-Nevada Academy of Science*, v. 21, p. 23-27.

Iversen, J. D., Gillette, D., Greeley, R., Lee, J., Lee, I., MacKinnon, I., Marshall, J., Nickling, W., Werner, B., White, B., and Williams, S., 1985, Sediment-Transport (Wind) Experiments in Zero-Gravity: Space Station Planetology Experiments (SSPEX) Workshop, NASA Conference Publication 2424, p. 7-12.

Graf, W. L. and Lee, J. A., 1985, Geomorphology, in Harris, C.D., ed., *A Geographical Bibliography for American Libraries*: Association of American Geographers, Washington D.C., p. 64-68.

Professional Presentations

(If presented by co-author, name is underlined, most have published abstracts.)

Characterization of Dust Sources in the Chihuahuan Desert through Remote Sensing, Geomorphology and Mapping. Southwest Border Symposium on Air Quality and Climate, Las Cruces, New Mexico, USA, April 23, 2013. (with Thomas Gill, Miguel Dominguez-Acosta, Nancy Rivera-Rivera, Matthew Baddock, and Joanna Bullard)

A Laboratory Study of Wind Erosion Dust Emission Rates. Association of American Geographers Annual Meeting (with Thomas Mockford, Ted Zobeck, Thomas Gill)

On the Multiple Causes of the 1930s North American Dust Bowl. American Quaternary Association 22nd Biennial Meeting, June 2012, Duluth, Minnesota (with Thomas E. Gill)

Potential dust production from wind-erodible soils on the Southern High Plains and Chihuahuan Desert: Preliminary Findings. Association of American Geographers Annual Meeting, February 2012, New York, New York (with Ted Zobeck, Thomas Gill, ,

Miguel Dominguez Acosta, and Porfirio Peinado)

No country for old men: the controls of geomorphology and land use on dust emission in west Texas and eastern New Mexico. Windy Day: The 17th Annual Meeting for the UK Aeolian Community (with Mathew Baddock, Thomas Gill, and Mbongowo Mbuh)

Soil influence and geomorphology of dust sources on the southern High Plains and eastern New Mexico using MODIS imagery from 2001 to 2009, Association of American Geographers Annual Meeting, April 2011, Seattle, Washington (with Mbongowo Mbuh, Robert Pavlowsky, Matthew Baddock, Thomas Gill)

Land Surface Characteristics of Aeolian Dust Sources in West Texas and Eastern New Mexico, Association of American Geographers Annual Meeting, April 2011, Seattle, Washington (with Matthew Baddock, Mbongowo Mbuh, Thomas Gill, Samuel Whitehead, Catherine Lee)

Geomorphological and Land Use/Land Cover Characteristics of Aeolian Dust Sources in West Texas and Eastern New Mexico, USA, Seventh International Conference on Aeolian Research, July 2010, Santa Rosa, La Pampa, Argentina (with M. Baddock, M. Mbuh, T. Gill, S. Whitehead, C. Lee)

Spatial and Temporal Variability of Dust Sources on the Southern High Plains and Eastern New Mexico from MODIS Imagery, Great Plains Rocky Mountain Division Association of American Geographers Annual Meeting, October 2010, (with Mbongowo Mbuh, Matthew Baddock, and Thomas Gill)

Dust Storms on the Great Plains in the 1930s, Association of American Geographers Annual Meeting, April 2010, Washington D.C. (with Thomas E. Gill)

What really caused the Dust Bowl? American Meteorological Society 22nd Conference on Climate Variability and Change, January 2010, Atlanta, GA. (with Thomas E. Gill)

Geomorphology of MODIS-Visible Dust Plumes in the Chihuahuan Desert – Preliminary Results. American Geophysical Union Annual Meeting, 14–18 December 2009, San Francisco, CA. (with. T. E. Gill; M. J. Mbuh; M. A. Dominguez; M. C. Baddock; C. E. Lee; S. C. Whitehead; N. I. Rivera Rivera; P. Peinado)

Multiple Causes of the Dust Bowl, Environmental Science and Engineering Program, University of Texas, El Paso October 2009 (with Thomas E. Gill)

Causes of Wind Erosion in the Dust Bowl, Association of American Geographers Annual Meeting, March 22-27, 2009, Las Vegas, Nevada (with Thomas E. Gill)

Introducing a New International Society for Aeolian Research, American Geophysical

Union Fall Meeting, December 15-19, 2008 San Francisco, CA (with Ted M. Zobeck, Nicholas Lancaster and Joanna Bullard)

Multiple Causes of the Dust Bowl, Joint Meeting Geological Society of America and Soil Science Society of America, October 5-9, 2008, Houston TX (with Thomas E. Gill)

Introducing a New International Society for Aeolian Research, Joint Annual Meeting of the Geological Society of America and the Soil Science Society of America, October 5-9, 2008, Houston, TX (with Ted M. Zobeck, Nicholas Lancaster and Joanna Bullard)

Aeolian Dust Point Sources: The Role of Vegetation, Association of American Geographers Annual Meeting, April 15-19, 2008, Boston MA (with Kevin R. Mulligan and Thomas E. Gill)

Modification of Playa Lake Wetlands in West Texas, Southwest Division, Association of American Geographers Annual Meeting, Bryan, Texas, 2007 (with Kevin Mulligan, Lucia Barbato, Laura Petteway, Matt Drisoll, Ben Sawicki, Jordan Long, Catherine Lee, and Jim Dick)

Spatial Variability of Wind Erosion During Dust Events, Multidisciplinary Workshop on Southern South American Dust, October 3-5, 2007, Centro Nacional Patagónico, Puerto Madryn, Argentina (with Thomas E. Gill)

Modification of Playa Lake Wetlands in West Texas, Association of American Geographers Annual Meeting, San Francisco, CA, 2007 (with Kevin Mulligan, Lucia Barbato, Laura Petteway, Matt Drisoll, Ben Sawicki, Jordan Long, Catherine Lee, and Jim Dick)

A Critical Evaluation of the Dust Bowl and its Causes, American Geophysical Union Fall Meeting, San Francisco, CA, 2006 (with Thomas E. Gill)

Land Use/Land Cover and Point Sources of the 15 December 2003 Dust Storm in Southwestern North America, International Center for Arid and Semiarid Lands: Water in Arid and Semiarid Lands: Innovative Approaches and Informed Decision Making, Lubbock, TX, 2006 (with Gill, T. E., Mulligan, K. R., Dominguez Acosta, M, and Perez, A E.)

Using GIS and Digital Imagery to Map and Classify Playas on the Southern High Plains, International Center for Arid and Semiarid Lands: Water in Arid and Semiarid Lands: Innovative Approaches and Informed Decision Making, Lubbock, TX, 2006 (with Kevin Mulligan, Lucia Barbato, and Jim Dick)

Land Use/Land Cover and Point Sources of the 15 December 2003 Dust Storm in Southwestern North America, Sixth International Conference on Aeolian Research,

Guelph, Ontario, Canada, 2006 (with Gill, T. E., Mulligan, K. R., Dominguez Acosta, M, and Perez, A E.)

I Got Them Dust Bowl Blues: Wind Erosion in the Music of the Dust Bowl Region, Natural History and the Art and Literature of Place, Texas Tech Center for the Southwest and the Crossroads Music Archive of the Southwest Collection, Lubbock, 2006 (with Andy Wilkinson)

Detection and preliminary assessment of source areas of the 15 December 2003 dust storm in the Chihuahuan Desert, southwestern North America, American Geophysical Union Annual Meeting, San Francisco, 2005 (with Nancy I. Rivera Rivera, Thomas E. Gill, Max P. Bleiweiss, Jenny L. Hand, Miguel Dominguez A., Alfredo Ruiz, Adriana E. Perez, Sonny P. Emmert, and Kevin R. Mulligan)

Determining Dust Source Areas for the West Texas Dust Storm of 15 December 2003, Association of American Geographers Annual Meeting, Denver, 2005 (with Kevin Mulligan and Thomas Gill)

Analysis of MODIS Satellite Imagery to Identify Point-Source Dust Emissions in West Texas and Eastern New Mexico, Southwest Division of the Association of American Geographers Annual Conference, Nacogdoches, Texas, 2004 (with Kevin Mulligan)

Crossing Intellectual Boundaries: Interdisciplinary Studies at Texas Tech; Panel Discussion, Teaching Learning and Technology Center, Texas Tech University, 2003

Shrub Spacing and Surface Shear Stress Distributions: A Wind Tunnel Study, ICAR5/GCTE-SEN Joint Conference, Lubbock, TX, 2002 (with Ronald Greeley)

Environmental Characterization of North American Sources of Atmospheric Dust; Association of American Geographers Annual Meeting, Los Angeles, 2002 (with Thomas E. Gill, Joseph M. Prospero and Paul Ginoux)

A Historically-Based Assessment of Tornado Risk by County in the United States; Association of American Geographers Annual Meeting, New York City, 2001 (with Kevin Mulligan, Lucia Barbato and Stephen Weinbeck)

The 1930s Dust Bowl: The Relative Roles of People and the Physical Environment, Preliminary Results; Association of American Geographers Annual Meeting, Pittsburgh, PA, 2000 (with Kevin Mulligan and Thomas Gill)

Creativity and Resistance: Scientists Who Got Grief and Laughed Last; panel discussion for the Center for the Interaction of the Arts and Sciences, Texas Tech University, 1999 (with John Morrow and David Knaff)

- Spatial Variability of Wind Erosion in the Dust Bowl During the Late 1930s; Geological Society of America, South Central Section Meeting, Lubbock, Texas, 1999 (with Thomas E. Gill)
- I Got Them Dust Bowl Blues: Aeolian Phenomena in Dust Bowl Culture; International Conference on Aeolian Research (ICAR-4), Oxford, England, 1998 (with Andy Wilkinson).
- Spatial Variability of Wind Erosion in the Dust Bowl During the Late 1930s; Association of American Geographers Annual Meeting, Boston, MA, 1998 (with Thomas E. Gill)
- Spatial Variability of Wind Erosion in the Dust Bowl During the Late 1930s; Texas Geomorphology Association, Junction, Texas, 1998 (with Thomas E. Gill)
- Women's Artistic Images of West Texas; Southwest/Texas Regional Meeting, Popular Culture Association, Lubbock, TX, 1998 (with Linda Lea Jones)
- Physical and Cultural Studies of Blowing Dust in West Texas; invited lecture, Department of Geography, Texas A&M University, 1997
- I Got Them Dust Bowl Blues: Blowing Dust in West Texas Culture; Association of American Geographers Annual Meeting, Fort Worth, Texas, 1997 (with Andy Wilkinson)
- Soil Erosion Control Methods on the Southern High Plains, 1930s-1980s; Fifth International Conference on Desert Development, Lubbock, Texas, 1996 (with J. Kelly Attebury and Peter L. Skylstad)
- Soil Erosion Control Methods on the Southern High Plains, 1930s-1980s; Association of American Geographers Annual Meeting, Charlotte, North Carolina, 1996 (with J. Kelly Attebury and Peter L. Skylstad)
- Magnitude and Frequency of Blowing Dust at Lubbock, Texas, Association of American Geographers Annual Meeting, Chicago, Illinois, 1995 (with Vatche Tchakerian)
- Modeling Wind and Relative Humidity Effects on Air Quality: Aerosols and Atmospheric Optics: Radiative Balance and Visual Air Quality, International Specialty Conference, Air and Waste Management Association, Snowbird, Utah, 1994 (with James M. Gregory, Richard E. Peterson and Gregory R. Wilson)
- Impact of Conservation Practices on Airborne Dust in the Southern High Plains of Texas: Southern Agricultural Economics Association, Nashville, Tennessee, 1994 (with R. Terry Ervin) Abstract published in *Journal of Agriculture and Applied Economics*, v. 6, p. 343.

Factors Influencing Post-Contract Use of CRP Lands: North Central Agricultural Experiment Station, NC-163 Post CRP Land Use Conference, Denver, Colorado, 1994 (with R. T. Ervin and P. N. Johnson)

The Effect of Federal Soil Erosion Control Policies on Blowing Dust in the Southern High Plains of Texas: Association of American Geographers Annual Meeting, San Francisco, California, 1994 (with R. Terry Ervin)

Modeling Seasonal Patterns of Wind Erosion on the Southern High Plains, USA: Third International Geomorphology Conference, Hamilton, Ontario, Canada, 1993 (with James M. Gregory and Richard E. Peterson)

Magnitude and Frequency of Aeolian Dust on the Southern High Plains: Third International Geomorphology Conference, Hamilton, Ontario, Canada, 1993 (with Vatche P. Tchakerian) (Poster)

Modeling Wind Erosion and Dust Generation: International Symposium of the Rational Utilization of Natural Resources and Territorial Management of Arid Lands, Yinchuan, Ningxia, China, 1993 (with J. M. Gregory, G. R. Wilson and U. B. Singh)

Erosion to Dust: A Fundamental Prediction Procedure: 7th U.S. National Conference on Wind Engineering, Los Angeles, California, 1993 (with U. B. Singh and J. M. Gregory)

Drought Amplification of Dust Concentration and Reduced Visibility: International Summer Meeting, American Society of Agricultural Engineers, Spokane, Washington, 1993 (with U. B. Singh, R.E. Peterson, G. R. Wilson and J. M. Gregory)

Wind Regime and Blowing Dust Directions at Lubbock, Texas; Association of American Geographers Annual Meeting, Atlanta, Georgia, 1993, (with K. Evan Moffett)

A Comparison of Model Predictions for Wind Erosion and Visibility Records at Lubbock, Texas; Applied Geography Conference, Denton, Texas, 1992, (with James M. Gregory and Udai B. Singh)

Linking Wind Erosion and Visibility Records on the Southern High Plains; Association of American Geographers Annual Meeting, San Diego, CA, 1992, (with James M. Gregory and Udai B. Singh).

Dust Hours, Visibility, and Wind Erosion Prediction; American Society of Agricultural Engineers International Summer Meeting, Albuquerque, New Mexico, 1991 (with James M. Gregory, Udai B. Singh and Clifford B. Fedler).

Blowing Dust on the Southern High Plains; Department of Geography, University of

Iowa, 1991.

Drought and Blowing Dust on the Southern High Plains, 1947-1990; Southwestern and Rocky Mountain Division of the American Association for the Advancement of Science Annual Meeting, 1991, Lubbock, Texas (with James Sturgis).

Estimates of Blowing Dust Amounts from Meteorological Records; Association of American Geographers Annual Meeting, 1991, Miami, Florida.

Wind Profiles Over Desert Shrubs; Southwest Division of the Association of American Geographers Fall Meeting, October 1990, Austin, Texas

The Red River Boundary Dispute: A Case Study in Political Geomorphology; Association of American Geographers Annual Meeting, April, 1990, Toronto, Canada (with David Waits).

An Analysis of Wind Profiles over Desert Shrub Surfaces; Association of American Geographers Annual Meeting, March, 1989, Baltimore, Maryland.

The Effect of Shrub Spacing on Wind Flow Patterns; Association of American Geographers Annual Meeting, April 1988, Phoenix, Arizona.

The Effect of Roughness Element Spacing on Surface Shear Stress Patterns; Dynamics of Aeolian Sediment Transport Workshop, NATO Collaborative Research Grants Program, March 1988, Arizona State University.

Surface Objects and Sand Movement; Short Course on Windblown Sand organized for the Kuwait Institute for Scientific Research, March 1988, Arizona State University.

Roughness Effects on Aeolian Sand Transport; Association of American Geographers Annual Meeting, April 1987, Portland, Oregon.

Effect of Antecedent Moisture Conditions on Dust Storm Generation in Arizona; 12th Annual North American Geomorphology ("Binghamton") Symposium, September 1986, Guelph, Ontario (with A.J. Brazel and W.G. Nickling).

Surface Shear Stress Measurements Around Shrubs for the Estimation of Aeolian Sand Transport; Association of American Geographers Annual Meeting, May 1986, Minneapolis, Minnesota.

Wind Gustiness and Sand Transport; Association of American Geographers Annual Meeting, April 1985, Detroit, Michigan.

A New Aeolian Sampling System; Association of American Geographers Annual Meeting, April 1982, San Antonio, Texas (with Frank Weirich).

Education Workshops & Conferences Attended

Eleventh GLOBE Annual Conference, July 2007, San Antonio, Texas

Elementary GLOBE “Train the Trainer” Workshop, April 2007, Boulder Colorado.

Texas “Train the Trainer” Workshop for the GLOBE Program, August-September 2006, San Antonio, Texas

Science and Pseudoscience: A Primer in Critical Thinking, NSF Chautauqua Short Course for College Teachers, June 2002, Philadelphia, PA

Science, the Arts and the Humanities: Connections and Collisions, Sigma Xi Forum, November 2001, Raleigh NC

The Nature of Nature: A Cross-Disciplinary Approach to Teaching College Science, NSF Chautauqua Short Course for College Teachers, June 2000, Philadelphia, PA

Reshaping Undergraduate Science and Engineering Education: Tools for Better Learning, Sigma Xi Forum, November 1999, Minneapolis, MN

Funded Research Projects

High Plains Water Resources Symposium Series; Ogallala Aquifer Program U.S. Department of Agriculture, \$10000.

Database Development of Wind Erosion Source Areas in the Southern High Plains and Chihuahuan Desert; Texas Higher Education Coordinating Board Norman Hackerman Advanced Research Project, \$108,100; 2008 [with Thomas E. Gill, University of Texas El Paso]

GIS Database for Playa Lakes 1, National Wetlands Inventory; US Fish and Wildlife Service; \$45000; 2006 [with Kevin R. Mulligan and Lucia Barbato]

Water Level Data Collection and Analysis; High Plains Underground Water Conservation District No. 1; \$15,963; 2003 [Lucia Barbato (PI), Kevin Mulligan, Rashid Al-Hmoud & Jeffrey Lee]

Blowing Dust Records at Lubbock, Texas; U.S. Geological Survey Climate Team; \$1000;

2001

Consulting for Los Angeles City Attorney's Office (Legal Division, Department of Water and Power); legal case involving wind erosion; 1995

National Archives Research on the Dust Bowl; Association of American Geographers Research Grant; \$500; 1993

Soil Erosion Control Practices on Portions of the Southern High Plains; Research Enhancement Fund, College of Arts and Sciences, Texas Tech University; \$2000; 1992

Awards

Awarded the 2010 John M. Burns Outreach Award for Outstanding Faculty at Texas Tech University by the Texas Tech University/Howard Hughes Medical Institute Science Education Program

Professing Excellence Award, Texas Tech University Department of Residential Life & The Success Center, 2002

Elected member of Texas Tech University Teaching Academy, 2004

Travel Grant (\$1200) from the Texas Tech University Arts and Humanities Committee, 2006

Professional Service

2013 Manuscript reviewer, Land Degradation and Development

2013 Manuscript reviewer, Environmental Research Letters

2013 Manuscript reviewer, Journal of Geophysical Research-Atmospheres

2012 Manuscript reviewer, Aeolian Research

2012 Proposal Reviewer, National Geographic Society

2012 Member, Graduate Program Review Committee for Dept. Natural Resources Management, Texas Tech University

2012 External Reviewer for tenure and promotion, Hebrew University of Jerusalem

2011 Manuscript reviewer, *Atmospheric Environment*

- 2011 Manuscript reviewer, *Environmental Research Letters*
- 2011 Chair, Tenure and Promotion Committee for Dr. Cynthia Sorrensen
- 2011 Proposal reviewer, National Science Foundation
- 2011 Manuscript reviewer, *Land Degradation and Development*
- 2011 Manuscript reviewer, *Aeolian Research* (2 papers)
- 2011 Chair, Tenure and Promotion Committee for Dr. Tina Delahunty
- 2010 Member, Promotion Committee for Dr. Robert McComb (Economics)
- 2010 Manuscript reviewer, *Journal of Arid Environments*
- 2010 Manuscript reviewer, USDA-Agricultural Research Service
- 2010 Textbook reviewer, Oxford University Press (de Blij, et al., *Physical Geography*)
- 2010- Manuscript reviewer, *Journal of Arid Environments*
- 2010 Chapter reviewer, *Treatise on Geomorphology, Volume 13*; book published by Elsevier
- 2010 Secretary/Treasure, International Society of Aeolian Research
- 2010 Graduate School Dean's representative for PhD defense in English
- 2010 Graduate School Dean's representative for PhD defense in Political Science
- 2010 Member, Third Year Review Committee of Dr. Andreas Vargas (Economics)
- 2010 Manuscript reviewer, *Journal of Applied Meteorology and Climatology*
- 2009 Outside reviewer for promotion to Full Professor, University of Colorado, Denver
- 2009 Manuscript Reviewer, *Remote Sensing of Environment*
- 2008 Graduate School Representative for PhD defense in Agronomy

- 2008 Proposal Reviewer, National Science Foundation
- 2008-2010 Treasurer, International Society of Aeolian Research
- 2008 Graduate School Representative for PhD defense in Geology
- 2008 Chair, Third Year Review of Dr. Tina Delahunty
- 2007 Manuscript reviewer for *Quaternary Research*
- 2007 Manuscript reviewer for USDA Agricultural Research Service
- 2007 Graduate School Representative for PhD defense in Agronomy
- 2006 Member, Selection Committee for the Farouk El Baz Award for Excellence in Desert Research, Geological Society of America, Quaternary Geology and Geomorphology Division
- 2006 Member, Organizing Committee for International Center for Arid and Semiarid Lands Conference on Water in Arid and Semiarid Lands: Innovative Approaches and Informed Decision Making, Lubbock, TX
- 2006 Student Poster Judge for International Center for Arid and Semiarid Lands Conference on Water in Arid and Semiarid Lands: Innovative Approaches and Informed Decision Making, Lubbock, TX
- 2006 Reviewer, *Geomorphology* (two manuscripts)
- 2006 Chair, Tenure and Promotion Committee for Dr. Perry Carter
- 2006 Member, Texas Tech College of Arts & Sciences Research Council
- 2006 Judge, South Plains Regional Science and Engineering Fair, TTU
- 2006-08 Member, TTU Faculty Development Committee
- 2006 Member, Third Year Review Committee for Dr. Dakshina De Silva
- 2005 Reviewer, *Encyclopedia of Water Science*
- 2005 Reviewer, USDA-ARS manuscript peer review
- 2005 Reviewer, *Focus on Geography*

- 2005- Member, TTU Arts & Sciences Research Council
- 2005 Science Fair Judge, All Saints Episcopal School, Roscoe Wilson Elementary School
- 2005 Chair, Search Committee for Geography Assistant Professor
- 2005 Graduate School Representative for PhD Defense in Land Use Planning, Management and Design
- 2005 Team taught "Writing Through the Prism of the Wind" for Texas Tech Upward Bound Program (high school students), First Summer Session
- 2005 Proposal Reviewer, National Science Foundation
- 2004 Science Fair Judge, All Saints Episcopal School, Roscoe Wilson Elementary School
- 2004 Reviewer, USDA-ARS manuscript peer review
- 2004 Member, Tenure and Promotion Committee for Dr. Kevin Mulligan
- 2004 Member, Graduate Committee, Dept. Economics & Geography
- 2004 Member, Search Committee for Economics Assistant Professor
- 2004 Member, Third Year Review Committee for Dr. Ben Keen (Economics)
- 2004 Science Fair Judge, ExxonMobil State Science and Engineering Fair (Texas Tech University); All Saints Episcopal School (school and state-wide), Roscoe Wilson Elementary School
- 2003- Member, Core Committee, Urbanovsky Fellowship Endowment, Texas Tech University
- 2003 Chair, Third Year Review Committee for Dr. Deborah Salazar and Dr. Perry Carter
- 2003 Manuscript reviewer, *Journal of Arid Environments*
- 2003 Science Fair Judge, Roscoe Wilson Elementary School, All Saints Episcopal School
- 2003 Graduate School Representative for PhD Defense in Civil Engineering

- 2003 Proposal Reviewer, National Science Foundation
- 2003 Manuscript reviewer, *Earth Surface Processes and Landforms*
- 2002 Co-organizer of ICAR5/GCTE-SEN Joint Conference (International Wind Erosion Conference), Texas Tech University, July 2002
- 2002 Graduate School Representative for PhD Defenses in History and Biology
- 2002 Science Fair Judge, Roscoe Wilson Elementary School, All Saints Episcopal School
- 2002 Manuscript reviewer, *Journal of Geography*
- 2002 Manuscript Reviewer, *Physical Geography*
- 2002 Manuscript reviewer, *Soil Science Reviews*
- 2002 Manuscript reviewer, USDA-Agricultural Research Service
- 2001 Member Texas Tech University Tenure Review Committee
- 2001 Member of Graduate School Committee for Biological Sciences Graduate Program Review
- 2001 Manuscript reviewer, *Catena*
- 2001 Manuscript reviewer, *Quaternary International*
- 2001 Manuscript reviewer, *Journal of Arid Environments*
- 2001 Manuscript reviewer, *Physical Geography*
- 2001 Manuscript reviewer, *Texas Journal of Science*
- 2001 Proposal Reviewer, National Geographic Research and Exploration
- 2001- Faculty Advisor, Interdisciplinary undergraduate minor in Geographic Information Science
- 2000 Manuscript reviewer, *Journal of Geophysical Research-Atmospheres*
- 2000-01 Search Committee Chair for two assistant professor positions in Geography

- 2000 Manuscript reviewer, USDA Agricultural Research Service
- 2000 Proposal reviewer, USDA National Research Initiative Competitive Grants Program (Watershed Processes and Water Resources Program)
- 2000 Member of advisory board for Master of Science in Multidisciplinary Science (a Masters program for K-12 science teachers)
- 2000-06 Faculty Advisor for Master of Science in Multidisciplinary Science
- 2000 Manuscript reviewer, *Geomorphology*
- 2000 Textbook reviewer, John Wiley & Sons
- 1999-2000 Member of committee to propose Interdisciplinary Master's in Biological Informatics
- 1999 Manuscript reviewer, USDA Agricultural Research Service
- 1999 Manuscript reviewer, *Journal of Arid Environments*
- 1999 Dean's Representative for PhD defense in Geology
- 1998-99 Chair, Search Committee for Assistant Professor of Geography position, Texas Tech University
- 1998-99 Proposal Reviewer, National Science Foundation
- 1998 Session Chair, 'Science Studies/Science Wars' at "Webs of Discourse: The Intertextuality of Science Studies Symposium," Texas Tech University, February.
- 1998 Textbook reviewer, John Wiley and Sons
- 1998 Admissions Committee, Texas Tech University
- 1998- Junction Campus Faculty Advisory Committee, Texas Tech University
- 1998 Organized and Chaired special paper session on "Drylands Geomorphology" at Association of American Geographers Annual Meeting, Boston

- 1998-99 President of Geomorphology Specialty Group, Association of American Geographers
- 1998 Manuscript reviewer, *Journal of Soil and Water Conservation*
- 1998 Manuscript reviewer, USDA Agricultural Research Service
- 1998 Outside reviewer for faculty promotion, Ben Gurion University of the Negev
- 1997-98 Member of faculty committee preparing proposal for Masters of Science, Multidisciplinary Science graduate program for science teachers
- 1997-98 Secretary/Treasurer of Geomorphology Specialty Group, Association of American Geographers
- 1997-98 Prepared proposal for geographic information systems teaching facilities at Texas Tech (with Calvin Barnes & Susan Tomlinson, Geosciences)
- 1997-98 Manuscript reviewer, Texas Tech College of Agriculture and Natural Resources (2 papers); USDA-Agricultural Research Service (2 papers)
- 1997 Book proposal reviewer, John Wiley & Sons
- 1997 Taught earth science portion of “Coordinated Thematic Science Institute” workshop for 5th to 8th grade science teachers; Texas Region 17 Education Service Center, 2-13 June
- 1996-99 Member of Faculty Library Committee, Texas Tech University
- 1996 Manuscript reviewer, *Journal of Geography*
- 1996 Taught earth science portion of “Coordinated Thematic Science Institute” workshop for 5th to 8th grade science teachers; Texas Region 17 Education Service Center, 3-14 June
- 1996 Presented talk on wind erosion research and science to high school students as part of *Science Day '96* at Texas Tech
- 1996 Member of proposal review panel for “Faculty Incentive Grant” program, Texas Tech University (Summer 1996 and Fall 1996 rounds)
- 1995- Member of Board of Advisors of The Institute for Environmental Sciences, Texas Tech University

- 1995- Member of Board of Advisors of the Master's Program in Environmental Technology Management, Texas Tech University
- 1995 Manuscript reviewer, *IEEE Transactions on Geoscience and Remote Sensing*
- 1995- Member of Executive Committee of International Association of Geomorphologists
- 1995 Manuscript reviewer, *Soil Science Society of America Journal*
- 1995 Manuscript reviewer, *Physical Geography* (two manuscripts)
- 1994 & 95 Departmental representative for State Employees Charitable Campaign
- 1994 Manuscript reviewer, *Geomorphology*
- 1994 Organized and chaired two Special Paper Sessions on "Dryland Geomorphology" for Geomorphology Specialty Group of Assoc. of American Geographers 1994 Annual Meeting, San Francisco
- 1993 Manuscript reviewer, *Annals of the Association of American Geographers*
- 1993 Member, Bishop's Environmental Issues Task Force, Episcopal Archdiocese of Northwest Texas
- 1993- Organized and continue to moderate "GEOMORPHLIST," an international electronic mail distribution list for geomorphology
- 1993 Coordinator of United Way donation drive, Geography Department, Texas Tech University
- 1993 Book manuscript reviewer, John Wiley & Sons, Inc.
- 1992- Associate, International Center for Arid and Semiarid Land Studies, Texas Tech University
- 1992 Organized and chaired panel discussion titled "Discussion of 'The Reenchantment of Geomorphology'" for Geomorphology Specialty Group, Association of American Geographers 1992 Annual Meeting, San Diego.
- 1992-93 Faculty Advisor, Students for Environmental Awareness, Texas Tech University

- 1992 Manuscript reviewer, *Geomorphology*
- 1991-2002 Faculty Advisor, Texas Tech Interdisciplinary Master's Program in Environmental Evaluation
- 1991 Manuscript reviewer, *Texas Journal of Science*
- 1991 Book manuscript reviewer, Mosby Year Book, Inc.
- 1991 Organized and Chaired Special Paper Session on "Drylands Geomorphology" for Association of American Geographers 1991 Annual Meeting, Miami
- 1990 Acting Department Chairperson, Second Summer Session
- 1990-94 Member of Executive Committee of The Institute for Environmental Sciences, Texas Tech University
- 1989 Acting Department Chairperson, Second Summer Session
- 1988- Faculty advisor, Gamma Theta Upsilon (Geographical Honor Society), Texas Tech University
- 1987 Organized panel discussion "Cooperation Among Physical Geographers" for Geomorphology, Climatology and Biogeography Specialty Groups for the Association of American Geographers Annual Meeting, Portland, Oregon, April 1987
- 1986 Organized panel discussion "Complementary Approaches to Geomorphology" for Geomorphology Specialty Group for the Association of American Geographers Annual Meeting, Minneapolis, Minnesota, May 1986
- 1984-85 Member of Arizona State University Graduate Research Council
- 1983 Edited a collection of physical geography laboratory exercises for distribution to Los Angeles area community college teachers (with Frank Weirich and Linda O'Hirok)

Professional Organizations

Association of American Geographers
 (Geomorphology and Climatology Specialty Groups)
 American Association for the Advancement of Science

International Society for Aeolian Research
American Geophysical Union