

FORREST ROBERT STEVENS

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Environmental Studies Program
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CURRICULUM VITAE

RESEARCH INTERESTS

Integrated modeling and quantitative spatial analyses of human-environment, socio-ecological systems and natural resource management; land systems science, remote sensing, rural lands and livelihoods

EDUCATION

2014 (A.B.D., Spring) – University of Florida – Gainesville, Florida

Ph.D. in Geography, minor in land change modeling

Committee: Dr. Jane Southworth (advisor), Dr. Greg Kiker, Dr. Timothy Fik, Dr. Robert Fletcher

Dissertation: *Sensing Change: Methodologies of Scale and Analyzing Interactions of Land Cover, Land Use, and Forest Changes in Wallowa County, Oregon*

2009 – University of Florida – Gainesville, Florida

M.S. in Geography, minor in natural resource management modeling

Committee: Dr. Jane Southworth (advisor), Dr. Greg Kiker, Dr. Timothy Fik

Thesis: *Defining Differences in Remote Sensing Data Sources: Linking Landsat and ASTER Data for Longitudinal Research*

1998 – University of Chicago – Chicago, Illinois

B.A. in Biology with Honors, specializing in Ecology and Evolution; Dean's List

Concentration GPA 3.9/4.0; cumulative GPA 3.6/4.0

1994 – Pocatello High School – Pocatello, Idaho

RESEARCH EXPERIENCE

2014- – Research Consultant, Post-Doc (2014), USDA AFRI Agricultural and Natural Resources Science for Climate Variability and Change, University of Colorado Boulder – Boulder, Colorado

Dr. Joel Hartter, PI and Post-Doc Advisor

- Co-authored grant to expand ongoing research on public/private forest management and land owner mitigation strategies to climate change and variability in Oregon
- Developing platforms and methods for aerial imagery collected by unmanned aerial systems (UAS)
- Combining UAS imagery with participatory mapping and remotely sensed and field-collected data

2012- –WorldPop Modeling Research Assistantship, University of Florida – Gainesville, Florida

Dr. Andrew Tatem

- Developing novel “random forest,” dasymetric modeling approach that improves upon the widely used AfriPop and AsiaPop gridded population datasets (<http://www.worldpop.org.uk/>)

2011-2014 – Coauthor and Consultant, USDA CSREES Disaster Resilience for Rural Communities Grant, University of New Hampshire – Durham, New Hampshire

Dr. Joel Hartter, Dr. Russell Congalton (Co-PI), Dr. Lawrence Hamilton (Co-PI), Dr. Mark Ducey (Co-PI)

- Co-authored grant to expand ongoing research on public/private forest management, rural community change and forest fire/pest/disease risk in NE Oregon
- Coordinating field work and data analysis with graduate research assistants
- Geospatial analysis that merges mail and telephone survey results with remotely-sensed data
- Developing agent-centered, land owner and land management models for the rural Inland Northwest

2000- – Open source and free software development for GIS, remote sensing and modeling applications

- refnet – Creator and maintainer spatially explicit reference and authorship analyses package for R
<http://refnet.r-forge.r-project.org/>
- MODIS – Contributing programmer for the MODIS data download and processing package for R
<http://r-forge.r-project.org/projects/modis/>
- GRASS GIS – Feature development and code debugging for GRASS GIS platform and modules
<http://grass.osgeo.org/>

2009-2011 – NSF IGERT Archbold Ephemeral Ponds Project, University of Florida – Gainesville, Florida

Dr. Benjamin Bolker, Dr. Craig Osenberg (Co-PI), Dr. Mary Christman (Co-PI)

- Collaboration produced multiple-model approach for modeling ephemeral pond dynamics
- Developed alternatives to standard hydrologic models to account for irregular sampling strategies and allow for fore- and hind-casting from climatological data

2009-2010 – NASA Land-Cover/Land-Use Research of Southern Africa Dryland Region, Earth Systems Program Grant, University of Florida – Gainesville, Florida

Dr. Jane Southworth, Department of Geography

- Field work and data collection in Namibia and Zambia
- MODIS satellite imagery processing and analysis
- TRMM precipitation and climate-related time series analyses

2007-2008 – NSF HSD MAP Amazon Roads Project, University of Florida – Gainesville, Florida

Dr. Stephen Perz, Dr. Jane Southworth (Co-PI)

- Landsat and ASTER satellite imagery pre-processing and analysis
- Collected training samples, developed database-integrated ArcGIS data management system
- ENVI/IDL programming in addition to ERDAS Imagine processing
- International field work in Bolivia and Brazil

2006-2007 – Graduate Research Assistantship, University of Florida – Gainesville, Florida

Dr. Corene Matyas

- Developed an online, Python-based application for the retrieval and pre-processing of historical NEXRAD radar data for hurricane research

TEACHING EXPERIENCE

2013 – Adjunct Appointment, Department of Geography, University of Florida – Gainesville, Florida

- *Programming for GIS and Spatial Data Analysis (GEO 6938/GEO 4938) (GEO6938/GEO4938)*, focused on programming concepts and spatial data analysis with Python, ESRI ArcGIS

2006, 2008, 2011 – Graduate Teaching Assistantships, University of Florida – Gainesville, Florida

- Developed and sole lecturer for, *Introduction to Programming and Geoprocessing Using R (GEO6938/GEO4938)*, focused on programming concepts and spatial data analysis with R
- Developed and sole lecturer for, *Programming Python for GIS and Remote Sensing (GEO6938/GEO4938)*, focused on programming concepts and Python integration with ArcGIS
- TA and lab instructor for *Remote Sensing of the Environment (GEO5134/GEO4938)*

OTHER WORK EXPERIENCE

1997-2008 – Self-Employed Web/Database, and Open Source Programmer, Systems Design

1998-2003 – Data Analyst and Information Management, NWREL – Portland, Oregon

Evaluation Program, Northwest Regional Educational Laboratory

- Created fully- and semi-automated systems for handling data collection, statistical analysis, and data presentation, using diverse technologies, many with spatial or GIS components

1997-1999 – Research Assistant, University of Chicago – Chicago, Illinois

Dr. Cathy A. Pfister, Department of Ecology and Evolution

- Developed large computer simulations comparing individual-based and matrix population models

1997-1998 – Senior Honors Research Thesis, University of Chicago -- Chicago, Illinois

Dr. Cathy A. Pfister (advisor), Department of Ecology and Evolution

- Wrote and funded by grant from the Howard Hughes Medical Institute Undergraduate Research Fund
- Study of trophic interactions and nutrient exchange in Olympic Peninsula estuaries, Washington
- Ten weeks of field work and 20 weeks of lab work

1996 – Summer Field Ecology Research Assistant, Idaho State University -- Pocatello, Idaho

Dr. Nancy Huntly, Department of Ecology

- Captured, tagged, and observed pikas for metapopulation models on the Beartooth Plateau, Wyoming

FUNDED RESEARCH GRANTS

2014-2017 – USDA AFRI Agricultural and Natural Resources Science for Climate Variability and Change. Coauthor and post-doctoral associate (\$900,000)

2010-2014 – USDA CSREES Disaster Resilience for Rural Communities. Communities and Forests in Oregon (CAFOR). Coauthor and non-PI consultant (\$399,868)

2010-2011 – NSF I-Cubed Program Interdisciplinary Research Project Award. Linking Social and Land Change Networks: A Mixed Methods Approach in a Water Limited Landscape. PI (\$2,433)

2009-2012 – NASA Land-Cover/Land-Use Change Program, Earth Systems Program Grant. Understanding and predicting the impact of climate variability and climate change on land use and land cover change via socio-economic institutions in Southern Africa. Coauthor and non-PI researcher (\$870,000)

2008 – Mazamas Foundation Graduate Research Grant. Sensing Change: Analyzing Land Cover Changes in Wallowa County, Oregon. PI (\$1,500)

APPLICATIONS FOR RESEARCH FUNDING AND GRANTS

2013 – NSF Dynamics of Coupled Natural and Human Systems (CNH), coauthor and post-doc research associate

2013 – NSF Geography and Spatial Sciences Grants (GSS), coauthor and non-PI consultant

2012 – NSF Dynamics of Coupled Natural and Human Systems (CNH), coauthor and post-doc research associate

2012 – NSF Geography and Spatial Sciences Grants (GSS), coauthor and non-PI consultant

2012 – Land-Cover/Land-Use Change for Early Career Scientists (LCLUC), NASA Science Mission Directorate, Earth Science Division, coauthor and non-PI consultant

2012 – National Center for Ecological Analysis and Synthesis Working Group Grant, NCEAS, UC Santa Barbara, PI

2010 – NASA Carbon Cycle Science, NASA Science Mission Directorate, Earth Science, coauthor and non-PI consultant (\$889,656.00 budgeted)

2009 – NSF BCS Geography and Regional Science Grants, coauthor and non-PI consultant (\$339,270 budgeted)

2009 – CFERP Community and Forest Pre-Dissertation Fellowship Program, Community Forestry & Environmental Research Partnerships (\$2,000 budgeted)

FELLOWSHIPS AND AWARDS

2005-2009, 2011,2014 – UF Presidential Fellow, University of Florida (\$65,800 + tuition)

2009-2011 – Quantitative Spatial Ecology, Evolution, and Environment (QSE³) IGERT Fellow, National Science Foundation and University of Florida (\$89,800 + tuition)

2007 – Excellence in Graduate Teaching Award, University of Florida Department of Geography (\$200)

2006-2011 – Competitive travel grants (10) from: College of Liberal Arts and Sciences, Graduate Student Council, Land Use and Environmental Change Institute (\$250-500)

1997 – Howard Hughes Undergraduate Research Fellow, Howard Hughes Medical Institute (\$5,000)

1994 – National Science Scholar, U.S. Department of Education

1994 – Bausch & Lomb Science Award and the Bausch & Lomb Science Scholarship, Bausch & Lomb/University of Rochester, Rochester, New York

1993 – National Science Foundation Young Scholar, NSF and the University of Texas at Austin

REFEREED ARTICLES

- Hamilton, L. C., Hartter, J., Safford, T. G., & **Stevens, F. R.** (2013). Rural Environmental Concern: Effects of Position, Partisanship, and Place. *Rural Sociology*, n/a–n/a. doi:10.1111/ruso.12023
- Tatem, A. J., Gaughan, A. E., **Stevens, F. R.**, Patel, N. N., Jia, P., Pandey, A., & Linard, C. (2013). Quantifying the effects of using detailed spatial demographic data on health metrics: a systematic analysis for the AfriPop, AsiaPop, and AmeriPop projects. *The Lancet*, 381, S142. doi:10.1016/S0140-6736(13)61396-3
- Staub, C. G., Binford, M. W., & **Stevens, F. R.** (2013). Elephant herbivory in Majete Wildlife Reserve, Malawi. *African Journal of Ecology*, 51(4), 536–543. doi:10.1111/aje.12064
- Gaughan, A. E., **Stevens, F. R.**, Linard, C., Jia, P., & Tatem, A. J. (2013). High Resolution Population Distribution Maps for Southeast Asia in 2010 and 2015. (F. Pappalardo, Ed.) *PLoS ONE*, 8(2), e55882. doi:10.1371/journal.pone.0055882
- Gaughan, A. E., **Stevens, F. R.**, Gibbes, C., Southworth, J., & Binford, M. (2012). Linking vegetation response to seasonal precipitation in the Okavango-Kwando-Zambezi catchment of southern Africa. *International Journal of Remote Sensing* 33(21):6783-6804.
- Southworth, J., Marsik, M., Qiu, Y., Perz, S., Cumming, G., **Stevens, F. R.**, Rocha, K., Duchelle, A., & Barnes, G. (2011). Roads as drivers of change: Trajectories across the tri-national frontier in MAP. *Remote Sensing* 3(5):1047-1066.
- Marsik, M., **Stevens, F. R.**, & Southworth, J. (2011). Patterns and rates of land cover change in Pando, northern Bolivia from 1986 to 2005. *Progress in Physical Geography*:1-22.
- Pfister, C. A., & **Stevens, F. R.** (2003). Individual variation and environmental stochasticity: Implications for matrix model predictions. *Ecology* 84 (no. 2):496-510.
- Pfister, C. A., & **Stevens, F. R.** (2002). The genesis of size variability in plants and animals. *Ecology* 83 (no. 1):59-72.

MANUSCRIPTS IN-PRESS, UNDER REVIEW

- Stevens, F. R.**, Gaughan, A. E., Linard, C., & Tatem A. J. (2014). Disaggregating census data for population mapping using Random Forests with remotely-sensed and other ancillary data. to *PLoS ONE* January 2014.
- Schneider, A., Mertes, C., Tatem, A., Tan, B., Sulla-Menashe, D., Graves, S., Patel, N., Horton, J., Gaughan, A., Rollo, J., Schelly, I., **Stevens, F. R.**, Dastur, A. (2014). A new urban landscape in East-Southeast Asia, 2000-2010. to *Nature*, February 2014.
- Stevens, F. R.** (2014). Bridging the Landsat data gap: Evaluating ASTER as an alternative. to *Photogrammetry & Remote Sensing*, December 2013.
- Harterter, J., **Stevens, F. R.**, Ducey, M. J., Christofferson, N., Hamilton, L. C., & Congalton, R. (2014). Conservation, Conflict, and Consensus: Alternative Futures in the American West. to *Society & Natural Resources*, December 2013.

NON-REFEREED ARTICLES

- Harterter J., Hamilton, L. C., **Stevens, F. R.**, Congalton, R. G., Ducey, M., et al. (2012). Research Uncovers Social Attitudes Toward Changing Forests. *Quarterly Connection*. Fall 2012. Wallowa Resources. Enterprise, OR.
- Hamilton L. C., Hartter, J., **Stevens, F. R.**, Congalton, R. G., Ducey, M., et al. (2012). Forest views: Northeast Oregon survey looks at community and environment. Carsey Institute, University of New Hampshire. Durham, NH.
- Gaughan, A. E., **Stevens, F. R.**, Gibbes, C., Southworth, J., Keys, E., Child, B., Waylen, P., Kiker, G., Muñoz-Carpena, R., & Binford, M. W. (2009). Climate, land-use/land-cover change and institutional response: A multi-scalar approach to human-environment interactions in southern Africa. *Newsletter of the Global Land*

CONTRIBUTED PRESENTATIONS AT CONFERENCES

- Tatem, A. J., Gaughan, A. E., **Stevens, F. R.**, Patel, N. N., Jia, P., Pandey, A., & Linard, C. (2013). Quantifying the effects of using detailed spatial demographic data on health metrics: a systematic analysis for the AfriPop, AsiaPop, and AmeriPop projects. Global Health Metrics and Evaluation Conference, June 17-19. Seattle, WA.
- Stevens, F. R.**, Gaughan, A. E., Tatem, A. J., & Linard, C. (2013). Refining area-to-grid population assignment using ancillary data and nonparametric, ensemble models. Association of American Geographers Annual Meeting, April 9-14. Los Angeles, CA.
- Gaughan, A. E., Tatem, A. J., Linard, C., **Stevens, F. R.**, & Jia P. (2013). High-resolution population mapping – Southeast Asia. Association of American Geographers Annual Meeting, April 9-14. Los Angeles, CA.
- Gaughan, A. E., Tatem, A. J., Linard, C., **Stevens, F. R.**, & Jia P. (2012). Mapping AsiaPop. Southeastern Division of the Association of American Geographers Annual Meeting, November 20. Asheville, NC.
- Podkul, T. E., & **Stevens, F. R.** (2012). Geospatial influences of control and access to water resources in Peru: A study in the geography of social networks. The Society for Applied Anthropology Annual Meeting, March 27-31, 2012. Baltimore, MD.
- Stevens, F. R.**, & Podkul, T. E. (2012). Spatializing Social and Resource Management Networks: A Case Study of Irrigation and Crops in the Cotahausi River Canyon, Peru. Association of American Geographers Annual Meeting, February 24-28, 2012. New York City, NY.
- Stevens, F. R.**, Bohrmann, T., Hein, A., Brooks, M., Lucchetti, J., Christman, M., Osenberg, C., Bolker, B. & Swain, H. (2011). Predicting Ponds, Pines and Savanna: A Recursive Time Series Modeling Approach for Messy Data. Association of American Geographers Annual Meeting, April 12-16, 2011. Seattle, WA.
- Bohrmann, T., Hein, A., **Stevens, F. R.**, Brooks, M., Lucchetti, J., Christman, M., Osenberg, C., Bolker, B. & Swain, H. (2011). Predicting a New Time Series Using Multiple Partially Observed Time Series. Statistics Meeting, March 12, 2011. Miami, FL.
- Stevens, F. R.**, Hartter, J., Boston, K., Christofferson, N., & Survis, P. (2010). Shocks to the System: A Case Study of Changing Forests in Wallowa County, Oregon with Implications for Working and Managed Landscapes. Global Land Project Open Science Meeting, October 17-19, 2010. Phoenix, AZ.
- Stevens, F. R.**, Hartter, J., Christofferson, N., Survis, P., & Boston, K. (2010). Mixed Methods for Monitoring Forest Health in Wallowa County, Oregon. Association of American Geographers Annual Meeting, April 13-18, 2010. Washington, D.C.
- Gaughan, A. E., **Stevens, F. R.**, & Gibbes, C. (2010). Linking climate to landscape: Investigating the response of vegetation to precipitation variability in a semi-arid catchment of southern Africa. Association of American Geographers Annual Meeting, April 13-18, 2010. Washington, D.C.
- Stevens, F. R.**, Hartter, J., & Boston, K. (2009). Sensing Change: Analyzing Land Cover and Forest Dynamics in Wallowa County, Oregon. Association of American Geographers Annual Meeting, March 22-27, 2009. Las Vegas, NV.
- Southworth, J., **Stevens, F. R.**, Qiu, Y., Marsik, M., Perz, S., & Rocha, K. (2009). Land Cover Change Patterns and Processes: Linking to Infrastructure Change and Resilience in Social-Ecological Systems, the Case of Southwestern Amazonia. Association of American Geographers Annual Meeting, March 22-27, 2009. Las Vegas, NV.
- Hartter, J., **Stevens, F. R.**, & Boston, K. (2009). Impacts of Landscape Change on Forest-Dependent Communities in Wallowa County, Oregon. Association of American Geographers Annual Meeting, March 22-27, 2009. Las Vegas, NV.
- Stevens, F. R.** (2008). Defining Differences in Remote Sensing Data Sources: Linking Landsat and ASTER Data for Longitudinal Research. Association of American Geographers Annual Meeting, April 15-19, 2008. Boston, MA.
- Marsik, M., **Stevens, F. R.**, Rocha, K., Southworth, J., Barra, F., Brown, F., & Perz, S.. (2007). Road Expansion and Land Cover Change from 1986 to 2006 in Southwestern Amazonia. Florida Society of Geographers Annual Meeting. Jacksonville, February 9-11, 2007. Jacksonville, FL.

CONTRIBUTED PRESENTATIONS AT INTERNATIONAL CONFERENCES

- Brooks, M., Bohrmann, T., **Stevens, F.**, Hein, A., Christman, M., Osenberg, C., & Bolker, B. (2013). Predicting Temporally Autocorrelated Pond Depths with Irregular Time Series Data / Prédire une profondeur de bassin avec autocorrélation temporelle à l'aide de données chronologiques Irrégulières. Statistical Society of Canada Annual Meeting, May 26-29. University of Alberta, Edmonton, Alberta, Canada.
- Stevens, F. R.** (2007). Rayas y Brechas en los Datos: Valorando Imágenes de ASTER como una Alternativa a Landsat para la Región MAP. Primer Mini Map – Sensoramiento Remoto, July 6-9, 2007. Universidad Amazônica de Pando, Cobija, Pando, Bolivia.
- Marsik, M., Rocha, K., Southworth, J., **Stevens, F. R.**, & Hoyos, N. (2007). Uso de Imágenes Landsat: Experiencias de la UF en la Región MAP. Primer Mini Map – Sensoramiento Remoto, July 6-9, 2007. Universidad Amazônica de Pando, Cobija, Pando, Bolivia.

INVITED PRESENTATIONS AND LECTURES

- Stevens, F. R.**, Gaughan, A. E., Tatem, A. J., Linard, C. (2013). Area-to-grid population assignment using ancillary data and random forest models. Annual IGER Symposium, April 25, 2013. University of Florida, Gainesville, FL.
- Stevens, F. R.** (2013). Sensing Change: Methodologies of Scale and a Case Study of Land Management in Wallowa County, Oregon. Department of Geography Colloquium Series, February 28. University of Florida, Gainesville, FL.
- Stevens, F. R.**, Hartter, J., Christofferson, N., Boston, K., & Survis, P. (2011). Changing Forests in Wallowa County, Oregon with Implications for Communities and Managed Landscapes. Wallowa County Natural Resources Advisory Committee, June 28, 2011. Enterprise, OR.
- Stevens, F. R.** (2011). A Case Study of Changing Forests in Wallowa County, Oregon with Implications for Working and Managed Landscapes. Department of Geography Colloquium Series, March 24, 2011. University of Florida, Gainesville, FL.
- Stevens, F. R.** (2010). Public and Private Partnerships: Monitoring and Modeling Forest Health in Wallowa County, Oregon. Annual IGER Symposium, May 3, 2010. University of Florida, Gainesville, FL.
- Stevens, F. R.** (2009). Measuring and Monitoring for REDD: A Remote Sensing Tutorial. UF GEO 3930 Introduction to Climate Change, November 20, 2009. University of Florida, Gainesville, FL.
- Harterter, J., **Stevens, F.R.**, & Boston, K. (2009). Analyzing Landscape Change, Forest Dynamics, and the Impacts of Change on Forest Dependent Communities. Forest Carbon Science and Management Workshop, November 17-18, 2009. Portsmouth, NH.
- Stevens, F. R.** (2009). An Introduction to Models With Applications to Global Climate Change. Presented to the UF GEO 3930 Introduction to Climate Change, February 2, 2009. University of Florida, Gainesville, FL.
- Stevens, F. R.** (2008). Uncertainty and Unpredictability: Introduction to Deterministic Models and Their Applications to Global Climate Change. Presented to the UF GEO 3930 Introduction to Climate Change, November 7, 2008. University of Florida, Gainesville, FL.
- Stevens, F. R.** (2008). Linking Landsat and ASTER Data for Longitudinal Research. Department of Geography Colloquium Series, March 5, 2008. University of Florida, Gainesville, FL.

CONTRIBUTED POSTERS AT CONFERENCES

- Harterter, J., Ducey, M. J., Hamilton, L. C., Palace, M. W., **Stevens, F. R.**, Christofferson, N., & Oester, P. (2014). Climate Change Adaptation in Working Landscapes of the Intermountain Northwest. USDA NIFA Agricultural Science for Climate Variability and Change Project Directors Meeting, January 6-9. Gainesville, FL.
- Gelcer, E., **Stevens, F. R.**, Montone, V., & Fraisse, C. W. (2013). Agroclimatic zoning in Mozambique to reduce risks of tomato production. Agricultural and Biological Engineering Research Symposium, October 23. Gainesville, FL.
- Bohrmann, T., Brooks, M., Hein, A., Luchetti, J., **Stevens, F. R.**, Bolker, B., Christman, M., & Osenberg, C. (2010). Modeling ephemeral pond dynamics on the Lake Wales Ridge, Florida. UF Water Institute Symposium, February 23-25, 2010. Gainesville, FL.
- Gaughan, A., **Stevens, F. R.**, & Gibbes, C. (2010). Responses of vegetation to precipitation variability in a

- semi-arid catchment of southern Africa. UF Water Institute Symposium, February 23-25, 2010. Gainesville, FL.
- Gibbes, C., Gaughan, A., & **Stevens, F. R.** (2010). Modeling vegetation responses to precipitation variability in southern Africa. Graduate Student Council Interdisciplinary Research Conference, February 3, 2010. Gainesville, FL.
- Stevens, F. R.**, Gaughan, A., & Gibbes, C. (2010). Linking climate to landscape: Investigating the response of vegetation to precipitation variability in a semi-arid catchment of southern Africa. American Meteorological Society Annual Meeting, January 17-21, 2010. Atlanta, GA.
- Marsik, M., **Stevens, F. R.**, Rocha, K., & Southworth, J. (2008). Patrones y Tasas de Deforestación en Pando, Bolivia desde 1986 a 2005. IV Reunión Nacional Sobre Investigación Forestal, September 3-5, 2008. Cobija, Pando, Bolivia.
- Marsik, M., Rocha, K., **Stevens, F. R.**, & Southworth, J. (2008). Modelos e Taxas de Desmatamento em Pando, Bolivia de 1986 a 2005. Seminário Anual de Cooperação UFAC-UF, July 7-8, 2008. Universidade Federal do Acre, Rio Branco, Acre, Brazil.
- Stevens, F. R.** (2007). Bridging the Landsat Data Gap: Evaluating ASTER as an Alternative. Association of American Geographers Annual Meeting, April 17-21, 2007. San Francisco, CA.

MEDIA

- Carsey Institute. (2011). Researchers to Survey Oregon Residents on Views about Community and Forest. Press Release, UNH Media Relations. September 2, 2011.
- Jayson Jacoby. (2011). Study aims to take pulse of Northeastern Oregon's land, people. Baker City Herald. June 23, 2011. Front-page story about USDA-funded research in eastern Oregon.
- Brian Addison. (2011). University studies forest, people. Wallowa County Chieftain. June 23, 2011. Front-page story about USDA-funded research in eastern Oregon.
- Bill Rautenstrauch. (2011). Study takes in-depth look at forestlands and resource-dependent communities. The Observer. June 15, 2011. Feature story about USDA-funded research in eastern Oregon.
- University of New Hampshire. (2010). UNH Received \$400K Grant to Study How Changes in Ecosystems Impact Livelihoods in Resource-Dependent Areas. Press Release, UNH Media Relations. October 14, 2010.

PROFESSIONAL MEMBERSHIP

- **Association of American Geographers (AAG)**
- **American Society for Photogrammetry and Remote Sensing (ASPRS)**

PROFESSIONAL SERVICE AND OTHER ACTIVITIES

- **Reviewer for *International Journal of Remote Sensing*, *American Naturalist*, *Population Health Metrics***
- **University of Florida Land Use and Environmental Change Institute (LUECI)**, collaborative research
- **NSF Professional Development "T" Grant, Graduate Student Advisory Committee**, term 2010-2011
- **University of Florida, Graduate Student Council**, term 2007-2008
- **University of Florida, Geography Department Graduate Faculty Representative**, term 2007-2008
- **Graduate Student Senior Seminar Panelist**, University of Florida Department of Geography
- **Competitive Club Soccer Coach, National "D" License**, Leg-A-Z Sports Academy, Gainesville, Florida

LANGUAGES STUDIED

- **German** – intermediate knowledge
- **Spanish** – beginner knowledge