TEXAS STATE VITA

I. Academic/Professional Background

A. Name and Title

Name: Dr. Jennifer Jensen Title: Professor and Chair

B. Educational Background

Degree	*Year*	*University*	*Major*	*Thesis/Dissertation*
PHD	2009	University of Idaho	Environmental Science	
MS	2004	University of Idaho	Geography	
BS	2002	University of Idaho	Environmental Science-Biological Science	
AS	1998	College of the Redwoods	Forest Technology	

C. University Experience

Position	*University*	*Dates*
Chair, Department of Geography & Environmental Studies	Texas State University	2024 - Present
Professor, Department of Geography		2021 - Present
Associate Professor, Dept. of Geography	Texas State University	2015 - 2021
Program Faculty, NASA STEM EPDC, MSI Teacher Education Network	LBJ Institute for STEM Education and Research, Texas State University. San Marcos, TX, United States	2015 - 2018
Assistant Professor, Dept. of Geography	Texas State University	2009 - 2015
Research Assistant, Dept. of Geography	University of Idaho	2005 - 2009
Instructor, GPS/GIS Integration, Dept. of Geography	University of Idaho	2008
Instructor, Intro. Physical Geography, Dept. of Geography	University of Idaho	2008
Research Assistant, Landscape	University of	2004 - 2006

Dynamics Lab, Cooperative Fish & Wildlife Unit	Idaho	
Teaching Assistant, Remote Sensing/GIS Integration, Dept. of Geography	University of Idaho	2005
Teaching Assistant, Computer-aided Mapping, Dept. of Geography	University of Idaho	2003
Teaching Assistant, Intro. Physical Geography, Dept. of Geography	University of Idaho	2002 - 2003

D. Relevant Professional Experience

Position	*Entity*	*Dates*
Technician I	Idaho Department of Environmental Quality	2002 - 2004

II. TEACHING

A. Teaching Honors and Awards:

Award / Honor Recipient: Outstanding Professor Award, Geography and Environmental Studies Graduate Student Forum.
2023 - 2024

Award / Honor Recipient: Favorite Professor Award, Alfred H. Nolle Chapter of Alpha Chi National Honor Scholarship Society (Texas State University).
2022

2018

2015

2012

Award / Honor Recipient: Presidential Distinction Award for Excellence in Teaching, Texas State University.
2015

Award / Honor Recipient: Teaching Excellence, Graduate and Professional Student Organization, University of Idaho.
2009

B. Courses Taught:

Texas State University:

GEO 3313 - NAT RES USE & MGT

GEO 3416 - PRINC REMOTE SENSI

GEO 3416 - PRINCIPLES OF REMOTE SENSING

GEO 3416 - REMOTE SENSING & EARTH OBSERV

GEO 4190 - INDEPENDENT STUDY

GEO 4290 - INDEPENDENT STUDY

GEO 4316 - LANDSCP BIOGEOGPH

GEO 4324 - GPS AND GIS

GEO 4335 - DIR RESEARCH

GEO 4390 - INDEPENDENT STUDY

GEO 4412 - DIGITAL REMOTE SEN

GEO 4412 - DIGITAL REMOTE SENSING

GEO 4412 - IMG PROCESSING & MACHINE LEARN

GEO 4417 - DIGITAL TERRAIN MO

GEO 4424 - GPS AND GIS

GEO 5190 - INDEPENDENT STUDY

GEO 5199B - THESIS

GEO 5324 - GPS AND GIS

GEO 5335 - DIR RESEARCH

GEO 5335 - DIRECTED RESEARCH

GEO 5390 - INDEPENDENT STUDY

GEO 5395 - PROB APPLIED GEO

GEO 5399A - THESIS

GEO 5399B - THESIS

GEO 5415 - GEO APPLS REM SENS

GEO 5424 - GPS AND GIS

GEO 5599B - THESIS

GEO 7190 - INDEPENDENT STUDY

GEO 7199A - DISSERTATION

GEO 7199C - DISSERTATION

GEO 7316 - REMOTE SENSING

GEO 7366 - ADV TOP REMOTE SEN

GEO 7372 - SEM GEO INF SCI

GEO 7390 - INDEPENDENT STUDY

GEO 7393L - LIDAR

GEO 7399A - DISSERTATION

GEO 7399C - DISSERTATION

GEO 7415 - APP OF REMOTE SNSG

GEO 7599A - DISSERTATION

GEO 7599C - DISSERTATION

GEO 7699A - DISSERTATION

GEO 7999A - DISSERTATION

GEO 7999C - DISSERTATION

GEO 7999C - DISSERTN GEO GIS

US 1100 - UNIVERSITY SEMINAR

University of Idaho:

GEOG 100: Introduction to Physical Geography

GEOG 404: GPS/GIS Integration

C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):

Supervisor / Chair, Dissertation, "Grayson Wylie", Status: Completed (2021 - 2025).
Student(s): Andrew Grayson Wylie, Doctoral, PhD Geographic Information Science.

Member, Dissertation, "Saunders Drukker", Status: In Progress. (2019 - Present).
Biology, Texas State University.
Student(s): Saunders Drukker, Doctoral, Aquatic Resources and Integrated Biology.

Member, Dissertation, Status: In Progress. (2018 - Present).
Student(s): Aidan McLendon, Doctoral, PhD Geography.

Supervisor / Chair, Master's Thesis, "Chrissy White", Status: In Progress. (2017 - Present).
Student(s): Christine White, Graduate, Master of Science.

Supervisor / Chair, Applied Research Project, "Mapping Ground Deformation in Mont Belvieu, Texas: A Comprehensive InSAR Time Series Analysis Workflow", Status: Completed. (August 2022 - May 2024). Geography and Environmental Studies, Texas State University.
Student(s): Kennedy Jackson, Graduate, M.A.Geography.

Supervisor / Chair, Master's Thesis, "Assessing Lidar-Based Forest Structure Change of Ground Beetle Habitat Association within the Rocky Mountain National Park Neon Site", Status: In Progress. (August 2022 - May 2024). Geography and Environmental Studies, Texas State University.
Student(s): Garrett Pugh, Graduate, MS Geography.

Supervisor / Chair, Master's Thesis, "Reconstructing Lunar Topography: Comparing Photogrammetry and Laser Altimetry", Status: Completed. (August 2022 - May 2024). Geography and Environmental Studies, Texas State University.
Student(s): Kendahl Hejl, Graduate, MS Geography.

Supervisor / Chair, Dissertation, "Exploring the Influence of Vertical Relief on Large Mammal Home Range and Occurrences of Illegal Activity", Status: Completed. (August 2018 - May 2024). Geography and Enivornmental Studies, Texas State University.
Student(s): Andrea Pinon, Doctoral, Ph.D. Geogrpahy.

Supervisor / Chair, Dissertation, "Temporal Analysis of Land Deformation in the West Texas Hydrocarbon Production Fields and the Arizona Willcox Groundwater Basin Using Remote Sensing InSAR", Status: Completed. (2021 - 2023).
Student(s): Danielle Smilovsky, Doctoral, PhD Geographic Information Science.

Member, Master's Thesis, "Jenna DeMent", Status: Completed. (2021 - 2023).
Student(s): Jenna DeMent, Graduate, MS Biology.

Supervisor / Chair, Applied Research Project, Status: Completed. (2020 - 2022).
Student(s): Noah Taylor, Graduate, M.A. Geography.

Supervisor / Chair, Master's Thesis, "Golden-cheeked Warbler Breeding Habitat: Assessing A Decade of Change (2010-2021)", Status: Completed. (2020 - 2022). Geography, Texas State University.
Student(s): Kevin Colgan, Graduate, M.S. Geography.

Member, Master's Thesis, "Environmental Factors Influencing the Spread of Arundo donax in Central Texas", Status: Completed. (2020 - 2022).
Student(s): Meg Herod, Graduate, MS Aquatic Resources.

Member, Dissertation, "Improving Land Cover Classification Using Texture Patterns Derived from Micro-scale Digital Elevation Models", Status: Completed. (2007 - 2022).
Student(s): John Klier, Doctoral, Geographic Information Science.

Supervisor / Chair, Master's Thesis, "An Analysis of Aquatic Vegetation in the San Marcos River Using sUAS", Status: Completed. (2019 - 2021). Geography.
Student(s): Alexa Lopez, Graduate, Master of Science Geography.

Member, Master's Thesis, "Impacts of Invasive Woody Vegetation on Survival, Nest, and Brod Ecology of Scaled Quail (Callipepla squamata) in the Southern High Plains of Texas", Status: Completed. (2019 - 2021).
Student(s): Charlotte Wilson, Graduate, MS Wildlife Ecology.

Supervisor / Chair, Dissertation, "Fire Risk, Burn Severity, and Vegetation Recovery for the Berry Fire, Grand Teton National Park", Status: Completed. (2020).
Student(s): David Szpakowski, Doctoral.
Dissertation_Szpakowski-1.pdf

Member, Applied Research Project, "Assessing the impact of propeller scars on sea grass fragmentation", Status: Completed. (2019). Geography, Texas State University.
Student(s): Benjamin Griffith, Graduate, M.A.Geography.
DirectedResearch-Griffith-2019.10.07-1.pdf

Supervisor / Chair, Applied Research Project, "Testing Water Quality from Space: A Comparison between Remote Sensing and in situ Measurements", Status: Completed. (2019). Geography, Texas State University.
Student(s): Hannah Strum, Graduate, MAGeography.
Hannah Sturm_Final-1.pdf

Member, Dissertation, "Water in a changing climate: Montana's Flathead Indian Reservation, 1961-2100", Status: Completed. (2019). Geography, Texas State University.
Student(s): Francesco Zignol, Doctoral, Geographic Information Science.
ZIGNOL-DISSERTATION-2019-1.pdf

Member, Dissertation, "Predicting Future Range Expansion of Whooping Crane (Grus americana) Winter Habitat Using Long-Term Census and Remotely Sensed Data", Status: Completed. (2019). Biology, Texas State University.
Student(s): Nichole Davis, Doctoral, Aquatic Resources.
DAVIS-DISSERTATION-2019-1.pdf

Supervisor / Chair, Dissertation, "Studying climate, present glacier landscapes and future lake hazards in Swiss southwestern Alps", Status: Completed. (2019). Geography, Texas State University.
Student(s): Saeideh Gharehchahi, Doctoral, PhD Geographic Information Science.
Saeideh_Dissertation-1.pdf

Supervisor / Chair, Dissertation, "A MODIS-based algorithm to detect forest degradation: a case study in Mexico", Status: Completed. (2019). Geography, Texas State University.
Student(s): Yunuen Reygadas Langarica, Doctoral, PhD.
Reygadas_Dissertation-1.pdf

Supervisor / Chair, Master's Thesis, "Dune feature extraction using image texture and patch metrics", Status: Completed. (2019). Geography, Texas State University.
Student(s): Brandon Rose, Graduate, Master of Science.
Rose_Thesis-1.pdf

Member, Master's Thesis, "A Statistically Designed Karst Feature Survey, and Factors Controlling Karst Feature Density and Distribution", Status: Completed. (2019). Biology, Texas State University.
Student(s): Lorena Martinez, Graduate, MS Aquatic Systems.
MARTINEZ-THESIS-2019-1.pdf

Supervisor / Chair, Master's Thesis, "Identifying dune habitat through the use of remote sensing classifications", Status: Completed. (2019).
Student(s): Lucas Chavez, Graduate, Master of Science.
Chavez_Thesis-1.pdf

Member, Applied Research Project, "Floodplain Land Cover Classification and Change Detection Analysis for the City of Austin, TX From 2008 to 2016", Status: Completed. (2018). Geography, Texas State University.

Student(s): Mackenzie Carhart, Graduate, MAG Geography.
Carhart Directed Research-1.pdf

Supervisor / Chair, Dissertation, Status: Completed. (2018).
Student(s): Chunhong Zhao, Doctoral, GIS.
ZHAO-DISSERTATION-2018-1.pdf

Supervisor / Chair, Applied Research Project, "Change Detection of Juniperus Ashei at The Freeman Center in the Edwards Plateau, Texas", Status: Completed. (2017).
Student(s): Wesley Collins, Graduate, M.A.Geography.
WCollins_MAG paper-1.pdf

Supervisor / Chair, Honor's Thesis, "Spatiotemporal Analysis of Land Cover Change on Bamberger Ranch Preserve in Johnson City, Texas", Status: Completed. (2017).
Geography, Texas State University.
Student(s): Brandon Tober, Undergraduate, B.S. Geography.
Tober_Brandon_Thesis-1.pdf

Member, Master's Thesis, "Effects of urbanization on the relative abundance of hummingbirds (Archilochus alexandri and archilochus colubris) as measured by resource removal rates", Status: Completed. (2017).
Student(s): Caley Zulula, Graduate, M.S. Population and Conservation Biology.
ZUZULA-THESIS-2017-1.pdf

Supervisor / Chair, Master's Thesis, "Developing a Comprehensive Geospatial Database for Freeman Center", Status: Completed. (2017).
Student(s): Jon Wiesner, M.A.Geography.
jWiesner_Freeman MAG-1.pdf

Supervisor / Chair, Master's Thesis, "Digital Terrain Modeling: Assessing the Impact of Vegetation on Structure from Motion Accuracy Status", Status: Completed. (2017).
Student(s): Kevin Schilly, Graduate, M.A.Geography.
Kevin_Schilly_Structure_from_Motion_MAG_Paper_2017-1.pdf

Supervisor / Chair, Master's Thesis, "Quantifying Alligator Gar (Atractosteus spatula) Spawning Habitat Suitability on the Lower Trinity River, Texas", Status: Completed. (2017).
Student(s): Killian Sterling, M.S. Geography.
STERLING-THESIS-2017-1.pdf

Supervisor / Chair, Master's Thesis, "Digital Terrain Model Generation: A Structure from Motion Approach", Status: Completed. (2017).
Student(s): Matthew Washburn, M.S. Geography.
WASHBURN-THESIS-2017-1.pdf

Member, Applied Research Project, Status: Completed. (2016).
Student(s): Colin Strickland, Graduate, M.A.Geography.
Strickland_Directed_Research-1.pdf

Supervisor / Chair, Master's Thesis, "Estimating Aboveground Biomass in a Pasture Ecosystem Using Structure-from-Motion Derived Dense Three Dimensional Point Clouds", Status: Completed. (2016).
Student(s): David Szpakowski, M.S. Geography.
SZPAKOWSKI-THESIS-2016-1.pdf

Supervisor / Chair, Master's Thesis, "SUAS-SFM based Remote Sensing of Rangeland Vegetation: OBIA Segment Classification and Statistical Modeling of Prickly Pear Cacti Structure in Central Texas", Status: Completed. (2016).
Student(s): Ethan Roberts, M.S. Geography.
ROBERTS-THESIS-2016-1.pdf

Supervisor / Chair, Master's Thesis, "Assessing the Utility of Pixel-based and Object-based Classification Methods for Surveying Wetland Vegetation with an Unmanned Aerial System", Status: Completed. (2016).
Student(s): Nicholas Villarreal, M.S. Geography.
VILLARREAL-THESIS-2016-1.pdf

Member, Master's Thesis, Status: Completed. (2016).
Student(s): Sarah E. Crouchet, Graduate, M.S. Population and Conservation Biology.
CROUCHET-THESIS-2016-1.pdf

Member, Master's Thesis, Status: Completed. (2015).
Student(s): Derek Wallace, Graduate, M.S. Biology.
WALLACE-THESIS-2015-1.pdf

Member, Applied Research Project, Status: Completed. (2014).
Student(s): Kristina Tolman, Graduate, M.A.Geography.

Supervisor / Chair, Applied Research Project, "Habitat Use and Modeling of the American Black Bear (Ursus americanus)", Status: Completed. (2014).
Student(s): Melanie Delion, M.A.Geography.

Member, Applied Research Project, Status: Completed. (2014).
Student(s): Philip Woodworth, Graduate, M.A.Geography.

Supervisor / Chair, Dissertation, "Assessing Grapevine Canopy Health in the Texas Hill Country with Remote Sensing and GIS Techniques", Status: Completed. (2014).
Student(s): Adam Mathews, Doctoral, GIS.
MATHEWS-DISSERTATION-2014-1.pdf

Member, Dissertation, Status: Completed. (2014).
Student(s): Naizhuo Zhao, Doctoral, Geographic Information Science.

Supervisor / Chair, Master's Thesis, "Land Cover Change in a Texas Town in the Booming Eagle Ford Shale", Status: Completed. (2014).

Student(s): Elizabeth Lipps, M.A.Geography.

Member, Master's Thesis, Status: Completed. (2014).
Student(s): Laura Clark, Graduate, M.S. Sustainability Studies.
CLARK-THESIS-2014-1.pdf

Member, Master's Thesis, Status: Completed. (2014).
Student(s): Matthew Haverland, Graduate, M.S. Biology.

Member, Graduate Committee Service, Status: Completed. (2014).
Student(s): Victoria Stengel, Graduate, M.S. Geography.

Supervisor / Chair, Applied Research Project, "Lidar-based Detection Between Land Cover Classifications of Shrubland and Forest", Status: Completed. (2013).
Student(s): Sandra Irvin, M.A.Geography.

Supervisor / Chair, Master's Thesis, "Improving Urban Vegetation Classification Accuracy with Multispectral Imagery and Lidar", Status: Completed. (2013).
Student(s): Guinevere McDaid, M.S. Geography.

Supervisor / Chair, Master's Thesis, "Modeling of Urban Growth and Land Cover Change: An Implementation of the SLEUTH Model for San Marcos, Texas", Status: Completed. (2013).
Student(s): Justin McCreight, M.S. Geography.

Member, Graduate Committee Service, Status: Completed. (2013).
Student(s): Richard Lee, Graduate, M.A.Geography.

Member, Graduate Committee Service, Status: Completed. (2012).
Student(s): Clint Harper, Graduate, M.A.Geography.

Member, Graduate Committee Service, Status: Completed. (2012).
Student(s): Desserae Shepston, Doctoral, Environmental Geography.

Member, Graduate Committee Service, Status: Completed. (2012).
Student(s): Jiao Wang, Doctoral, Geographic Information Science.

Supervisor / Chair, Master's Thesis, "Assessment of Spatial and Temporal Lake Water Quality Trends and Effects of Land Use/Land Cover in Maine", Status: Completed. (2012).
Student(s): Brittany Courville, M.S. Geography.

Supervisor / Chair, Master's Thesis, "Evaluation of White-tailed Deer Response to Precipitation and Vegetation in McMullen County, Texas.", Status: Completed. (2012).
Student(s): Clinton Edwards, M.S. Geography.

Supervisor / Chair, Master's Thesis, "Small Area Population Estimation Using Lidar-based Datasets", Status: Completed. (2012).
Student(s): Greg Mavian, M.A.Geography.

Supervisor / Chair, Master's Thesis, "Identification of Potential Habitat for the Concho Water Snake (Neroida paucimaculata)", Status: Completed. (2012).
Student(s): Megan Zoch, M.A.Geography.

Supervisor / Chair, Master's Thesis, "Using Cost Surface Analysis and Least Cost Paths to Analyze Dispersal of Gray Wolves in the Northern Rockies, U.S.A.", Status: Completed. (2012).
Student(s): Paul Crossley, M.S. Geography.

Member, Graduate Committee Service, Status: Completed. (2012).
Student(s): Shelby Coder, Graduate, M.S. Geography.

Member, Graduate Committee Service, Status: Completed. (2012).
Student(s): Warren Grannis, Graduate, M.S. Geography.

D. Courses Prepared and Curriculum Development:

US 1100: University Seminar, Curriculum Development, Texas State University: 2011.

GEO7366: sUAS Data Acquisition and Analysis, First Time Course Preparation. Taught: 2019.
GEO7366_sUAS_Spring2020-1.pdf

GEO4417 Digital Terrain Modeling, First Time Course Preparation. Taught: 2016.
GEO4417_Jensen_Fall_2016-1.pdf

GEO 4412: Digital Remote Sensing, First Time Course Preparation, Texas State University: 2010.
GEO4412_Jensen_2020-1.pdf

GEO 4324/5324: GPS and GIS, First Time Course Preparation, Texas State University. Taught: 2015.
GEO4424_5424_Jensen-1.pdf

GEO 5395/7372: Lidar Analysis and Modeling, First Time Course Preparation, Texas State University. Taught: 2013.
GEO5395_7393l_JENSEN_SP2017-1.pdf

GEO 5415/7415: Geographic Applications in Remote Sensing, First Time Course Preparation, Texas State University. Taught: 2012.
GEO5415_7415_Jensen-1.pdf

GEO 7316: Remote Sensing of the Environment, First Time Course Preparation, Texas State University. Taught: 2011.

GEO7316_Jensen-1.pdf

GEO 4316: Landscape Biogeography, First Time Course Preparation, Texas State University. Taught: 2010.
GEO4316_Jensen-1.pdf

GEO 3416: Principles of Remote Sensing, First Time Course Preparation, Texas State University. Taught: 2009.
GEO3416_Jensen_Fall2020-1.pdf

GEOG 100: Introduction to Physical Geography, First Time Course Preparation, University of Idaho. Taught: 2007.

GEOG 404: GPS/GIS Integration, New Course, University of Idaho. Taught: 2008.

GEO 7366: Advanced Topics in Remote Sensing, Revise Existing Course, Texas State University. Taught: 2018.
GEO7366_Jensen_Spring2018-1.pdf

E. Teaching Grants and Contracts

1. Funded External Teaching Grants and Contracts:

Jensen, Jennifer (Co-Principal). AAG Companion Multimedia Educational Website for “Understanding the Changing Planet.”, AAG Geography Educational Materials Development, $17,000.00. (Funded: 2010 - 2011). Grant.

3. Funded Internal Teaching Grants and Contracts:

Jensen, Jennifer. Project name: Subtractive Color Theory (programming and development support), Instructional Technology Support - Grants for Instructional Technology. (Funded: 2010). Grant.

F. Other:

Honor's Thesis Faculty Advisor. (January 1, 2015 - May 1, 2015).

Student Accomplishments:

Award:

Supervisor, Freeman Fellows Scholarship. Status: Completed. (March 14, 2017).
Student(s): Matthew Washburn, Graduate, M.S. Geography.

Fellowship:

Supervisor, Doctoral Research Support Fellowship. Texas State University. (2018).
Student(s): Yunuen Reygadas, Doctoral, PhD Geographic Information Science.

Supervisor, Doctoral Research Support Fellowship. Texas State University. (2018).
Student(s): Saeideh Gharehchahi, Doctoral, PhD Geographic Information Science.

Published Work:

Supervisor. "Assessing the relationship between vegetation greenness and surface temperature through Granger causality and Impulse-Response coefficients: a case study in Mexico." Status: Completed. (2020). Geography, Texas State University.
Student(s): Yunuen Reygadas, Doctoral, PhD Geographic Information Science.

Supervisor. "A review of the application of remote sensing in fire ecology." Status: Completed. (2019). Geography, Texas State University.
Student(s): David Szpakowski, Doctoral, PhD Geography.

Supervisor. "Forest degradation assessment based on trend analysis of MODIS Leaf Area Index: a case study in Mexico." Status: Completed. (2019). Geography, Texas State University.
Student(s): Yunuen Reygadas, Doctoral, PhD Geographic Information Science.

Supervisor. "A geographically weighted regression analysis of the underlying factors related to the surface urban heat island phenomenon." Status: Completed. (2018). Geography, Texas State University.
Student(s): Chunhong Zaho, Doctoral, PhD Geographic Information Science.

Supervisor. "A comparison of urban growth and their influencing factors of two border cities: Laredo in the US and Nuevo Laredo in Mexico." Status: Completed. (2017). Geography, Texas State University.
Student(s): Chloe Zhao, Doctoral, PhD Geographic Information Science.

Supervisor. "A Landsat-based evaluation of lake water clarity in Maine lakes." Status: Completed. (2014).
Student(s): Brittany Courville, Graduate, MS Geography.

Mentor. "Habitat suitability modeling of endangered, Zizania texana, within a highly urbanized, artesian ecosystem in San Marcos," 10th International Symposium on Ecohydralics 2014, Trondheim, Norway. Status: Completed. (2014). Geography, Texas State University.
Student(s): Christina Tolman, Graduate, MAGeography.

Supervisor. "Visualizing and quantifying vineyard canopy LAI using an unmanned aerial vehicle (UAV) collected high density Structure from Motion point cloud." Status: Completed. (2013).
Student(s): Adam Mathews, Doctoral, PhD Geographic Information Science.

Supervisor. "An airborne LiDAR-based methodology for vineyard parcel detection and delineation." Status: Completed. (2012).
Student(s): Adam Mathews, Doctoral, PhD Geographic Information Science.

Scholarship:

Supervisor, South Central Arc User Group Graduate Scholarship. (2022).
Student(s): A. Grayson Wylie, Doctoral, PhD Geographic Information Science.

Supervisor, Mexico National Council for Science and Technology. Status: Completed. (2016). Geography, Texas State University.
Student(s): Yunuen Reygadas, Doctoral, PhD Geographic Information Science.

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press):

1. Books:

d. Chapters in Books:

Refereed:

Jensen, Jennifer L.R. and Adam M Mathews. "Terrain and surface modeling of vegetation height using simple linear regression" in *Fundamentals of Capturing and Processing Drone Imagery and Data*. (CRC Press, 2021).
2020_Forthcoming_Terrain_and_surface_modeling_of_vegetation_height_using_simple_linear_regression-1.pdf

2. Articles:

a. Refereed Journal Articles:

Meitzen, Kimberly Michelle, Clinton R. Robertson, Jennifer L Jensen, Daniel J Daugherty, Kevin B Mayes, and Thomas Hardy. "Applying Floodplain Inundation Modeling to Estimate Suitable Spawning Habitat and Recruitment Success for Alligator Gar in the Guadalupe River, Texas." *Hydrology* 10, no. 6 (2023): 1-21.
Meitzen et al. 2023_hydrology-10-00123-1.pdf

Szpakowski, David M, Jennifer Jensen, T Edwin Chow, and David R Butler. "Assessing the use of Burn Ratios and Red-Edge Spectral Indices for Detecting Fire Effects in the Greater Yellowstone Ecosystem." *Forests* 14, no. 7 (2023): 1508.
2023_Szpakowski_Forests_Fire_Effects-1.pdf

Ordway, Elsa M, Andrew J Elmore, Sonja Kolstoe, John E Quinn, Rachel Swannick, Megan Cattau, Dylan Taillie, Steven M Guinn, K Dana Chadwick, Jeff W Atkins, Rachael E Blake, Melissa Chapman, Kelly Cobourn, Tristan Goulden, Matthew R Helmus, Kelly Hondula, Carrie Hritz, Jennifer Jensen, Jason Paul Julian, Yusuke Kuwayama, Vijay Lulla, Donal O'Leary, Donald R Nelson, Jonathan P Ocon, Stephanie Pau, Guillermo E Ponce-Campos, Carlos Portillo-Quintero, Narcisa Pricope, Rosanna G Rivero, Laura Schneider, Meridith Steele, G Tulbure, Matthew A Williamson, and Cyril W. "Leveraging the NEON Airborne Observation Platform for socio-environmental systems research." *Ecosphere* 12, no. 6 (2021).

Gharehchahi, Saeideh, Thomas J Ballinger, Jennifer Jensen, Anshuman Bhardwaj, Lydia Sam, Russel C Weaver, and David R Butler. "Local- and regional-scale forcing of glacier mass balance changes in the Swiss Alps." *Remote Sensing* 13, (2021).

Szpakowski, David Matthew, Jennifer Jensen, David R Butler, and Tzee Kiu E Chow. "A study of the relationship between fire hazard and burn severity in Grand Teton National Park, USA." *International Journal of Applied Earth Observations and Geoinformation* 98, (2021): 102305. https://www.sciencedirect.com/science/article/pii/S030324342100012X.
https://www.sciencedirect.com/science/article/pii/S030324342100012X1-s2.0-S030324342100012X-main-1.pdf

Reygadas Langarica, Yunuen, Jennifer Jensen, Gretchen Moisen, Nate Currit, and Edwin T Chow. "Assessing the relationship between vegetation greenness and surface temperature through Granger causality and Impulse-Response coefficients: a case study in Mexico." *International Journal of Remote Sensing* 41, no. 10 (2020): 3761-3783.
2020_IJRS_Assessing_the_relationship_between_vegetation_greenness_and_surface_temperature-1.pdf

Reygadas Langarica, Yunuen, Jennifer Jensen, G. G. Moisen, Nathan Allen Currit, and Tzee Kiu E Chow. "Assessing the relationship between vegetation greenness and surface temperature through Granger causality and Impulse-Response coefficients: a case study in Mexico." *International Journal of Remote Sensing* 41, no. 10 (2020): 3761-3783. https://www.fs.fed.us/rm/pubs_journals/2020/rmrs_2020_reygadas_y001.pdf. https://www.fs.fed.us/rm/pubs_journals/2020/rmrs_2020_reygadas_y001.pdf
Reygadas_2020_IJRS-1.pdf

Gharehchahi, Saeideh, William H.M James, Anshuman Bhardwaj, Lydia Sam, Jennifer Jensen, Thomas Ballinger, and David R Butler. "Glacier Ice Thickness Estimation and Future Lake Formation in Swiss Southwestern Alps-Rhone Catchment: VOLTA Application." *Remote Sensing* 12, no. 20 (2020): 3443.
Glacier Ice Thickness Estimation and Future Lake Formation in Swiss Southwestern Alps-Rhone Catchment-1.pdf

Zhao, Chunhong, Jennifer Jensen, and Russell Weaver. "Global and Local Modeling of Land Use Change in the Border Cities of Laredo, Texas, USA and Nuevo Laredo, Tamaulipas, Mexico: A Comparative Analysis." *Land* 9, no. 10 (2020).
2020_Global_and_Local_Modeling_of_Land_Use_Change_in_the_Border_Cities_of_Laredo_and_Nuevo Laredo-1.pdf

Lute, Michelle L, Michael D Drake, Christopher Serenari, M. Nils Peterson, Jennifer L.R. Jensen, Curtis Belyea, Colleen Olfenbuttel, and Mallory White. "Modeling urban socio-ecological drivers of human– carnivore coexistence." *Journal of Urban Ecology* 6, no. 1 (2020): 1-11.

Zhao, Chunhong, Jennifer Jensen, Qihao Weng, Nathan Currit, and Russell Weaver. "Use of Local Climate Zones to investigate surface urban heat islands in Texas." *GIScience and Remote Sensing*, (2020): 1083-1101.

Lute, Michelle Louise, Christopher Serenari, Michael Drake, M. Nils Peterson, Jennifer Jensen, Curtis Belyea, Colleen Olfenbuttel, and Mallory White. "Modelling Urban Socio-Ecological Drivers of Human- Carnivore Coexistence." *Journal of Urban Ecology*.

Reygadas, Yunuen, Jennifer Jensen, and Gretchen G Moisen. "Forest degradation assessment based on trend analysis of MODIS Leaf Area Index: a case study in Mexico." *Remote Sensing* 11, no. 2503 (2019).
2019_RS_Forest_degradation_assessment_based_on_trend_analysis_of_MODIS_Leaf_Area_Index_a_case_study_in_Mexico-1.pdf

Szpakowski, David M and Jennifer L.R. Jensen. "A review of the application of remote sensing in fire ecology. Remote Sensing." *Remote Sensing* 11, no. 22 (2019): 2638.
2019_RS_A_review_of_the_application_of_remote_sensing_in_fire_ecology-1.pdf

Zhao, Chunhong, Jennifer Jensen, Qihao Weng, Nathan Currit, and Russel Weaver. "Application of airborne remote sensing data on mapping Local Climate Zones: cases of three metropolitan areas of Texas, U.S." *Computers, Environment and Urban Systems* 74, (2019): 175-193.
2019_CEUS_Application_of_airborne_remote_sensing_data_on_mapping_local_climate_zones-1.pdf

Zhao, Chunhong, Jennifer Jensen, Qihao Weng, and Russell Christopher Weaver. "A geographically weighted regression analysis of the underlying factors related to Surface Urban Heat Island phenomenon." *Remote Sensing* 10, no. 1428 (2018): https://www.mdpi.com/2072-4292/10/9/1428/htm. https://www.mdpi.com/2072-4292/10/9/1428/htm
2018_RS_A_geographically_weighted_regression_analysis_of_the_underlying_factors_related_to_the_surface_urban_heat_island_phenomenon-1.pdf

Pisek, Jan, Henning Buddenbaum, Fernando Camacho, Joachim Hill, Jennifer Jensen, Holger Lange, Zhili Liu, Arndt Piayda, Yonghua Qu, Olivier Roupsard, Shawn Servin, Svein Solberg, Oliver Sonnentag, Anne Thimonier, and Franchesco Vuolo. "Data synergy between leaf area index and clumping index Earth Observation products using photon recollision probability theory." *Remote Sensing of Environment* 215, (2018): 1-6.
2018_RSE_Data_synergy_between_leaf_area_index_and_clumping_index_Earth_Observation_products_using_photon_recollision_probability_theory-1.pdf

Zhao, Chunhong, Jennifer Jensen, and F Benjamin Zhan. "A comparison of urban growth and their influencing factors of two border cities: Laredo in the US and Nuevo Laredo in Mexico." *Applied Geography* 79, (2017): 223-234. https://api.elsevier.com/content/abstract/scopus_id/85009827379. https://api.elsevier.com/content/abstract/scopus_id/85009827379
2017_AG_A_Comparison_of_urban_growth_and_their_influencing_factors_of_two_border_cities-1.pdf

Jensen, J. L.R. and A. J. Mathews. "Assessment of image-based point clouds products to generate a bare Earth surface and estimate canopy heights in a woodland ecosystem." *Remote Sensing* 8, no. 1 (2016).
2016_RS_Assessment_of_image_based_point_clouds_in_woodland_ecosystem-1.pdf

Zhao, Chunhong, J. Jensen, Xiangzheng Deng, and N. Dede-Bamfo. "Impacts of LiDAR sampling methods and point spacing on DEM generation." *Papers in Applied Geography*, (2016): 261-270.

2016_PAG_Impacts_of_LiDAR_Sampling_Methods_and_Point_Spacing_Density_on_DEM_Generation-1.pdf

Courville, B. C.*, J. L.R. Jensen, R. W. Dixon, and M. A. Fonstad. "A Landsat-based evaluation of lake water clarity in Maine lakes." *Physical Geography* 34, no. 4 (2014): 355-368.
2014_PHGE_A_landsat_based_evaluation_of_lake_water_clarity_in_Maine_lakes-1.pdf

Duarte, A., J. L.R. Jensen, J. S. Hatfield, and F. W. Weckerly. "Spatiotemporal variation in range-wide golden-cheeked warbler breeding habitat." *Ecosphere* 4, no. 12 (2013): 152.
2013_ECOS_Spatiotemporal_variation_in_range_wide_golden_cheeked_warbler_habitat-1.pdf

Fonstad, M. A., J. T. Dietrich, B. C. Courville, J. L.R. Jensen, and P. E. Carbonneau. "Topographic structure from motion: a new development in photogrammetric measurement." *Earth Surface Processes and Landforms* 38, (2013): 421-430.
2013_ESPL_Topographic_structure_from_motion_a_new_development_in_photogrammetric_measurement-1.pdf

Mathews, A.** and J. L.R. Jensen. "Visualizing and quantifying vineyard canopy LAI using an unmanned aerial vehicle (UAV) collected high density Structure from Motion point cloud." *Remote Sensing* 5, (2013): 2164-2183.
2013_RS_Visualizing_and_quantifying_vineyard_canopy_LAI_using_an_unmanned_aerial_vehicle-1.pdf

Mathews, A. J.** and J. L.R. Jensen. "An airborne LiDAR-based methodology for vineyard parcel detection and delineation." *International Journal of Remote Sensing* 33, no. 16 (2012): 5251- 5267.
2012_IJRS_An_airborne_lidar_based_methodology_for_vineyard_parcel_detection_and_delineation-1.pdf

Small, M., J. Veech, and J. L.R. Jensen. "Local landscape composition around North American Breeding Bird Survey routes." *Ecology* 93, no. 10 (2012): 2298.
2012_ECOL_Local_landscape_composition_around_north_american_breeding_bird_survey_routes-1.pdf

Jensen, J. L.R., K. S. Humes, A. T. Hudak, L. A. Vierling, and E. Delmelle. "Evaluation of the MODIS LAI product using independent lidar-derived LAI: a case study in mixed conifer forest." *Remote Sensing of Environment* 115, no. 12 (2011): 3625-3639.
2011_RSE_Evaluation_of_the_MODIS_LAI_product_using_independent_lidar_derived_LAI-1.pdf

Jensen, J. L.R., K. S. Humes, L. A. Vierling, and A. T. Hudak. "Discrete return lidar-based prediction of leaf area index in two conifer forests." *Remote Sensing of Environment* 112, (2008): 3947-3957.
2008_RSE_Discrete_return_lidar_based_prediction_of_leaf_area_index_in_two_conifer_forests-1.pdf

Jensen, J. L.R., K. Humes, T. Conner, C. Williams, and J. DeGroot. "Estimation of biophysical characteristics for highly variable mixed-conifer stands using small footprint LiDAR." *Canadian Journal of Forest Research* 36, (2006): 1129-1138.
2006_CJFR_Estimation_of_biophyscial_characteristics_for_highly_variable_mixed_conifer_stands_using_small_footprint_lidar-1.pdf

3. Conference Proceedings:

a. Refereed Conference Proceedings:

Pisek, Jan, Henning Buddenbaum, Fernando Camacho de Coca, Joachim Hill, Jennifer Jensen, Holger Lange, Zhili Liu, Arndt Piayda, Yonghua Qu, Olivier Roupsard, Shawn Paul Serbin, Svein Solberg, Oliver Sonnetag, Anne Thimonier, and Francesco Vuolo. *Application of Photon Recollision Probability Theory for Compatibility Check Between Foliage Clumping and Leaf Area Index Products Obtained from Earth Observation Data*. (2018).
2018_IEEE_IGRSS_Photon_Recollision_Probability_Theory_Between_Foliage_Clumping_and_Leaf_Area_Index_Products_-1.pdf

Harper, C., N. Currit, and J. L.R. Jensen. *Estimating tree canopy foliar volume using terrestrial LiDAR*. (Papers in Applied Geography, 2013). 290-298.
2013_PAG_Estimating_tree_canopy_foliar_volume_using_terrestrial_lidar-1.pdf

Jensen, J. L.R., S.* Irvin, and A. Duarte. *Lidar-based detection of shrubland and forest land cover to improve identification of Golden-Cheeked Warbler habitat*. (Papers in Applied Geography, 2013). 74-82.
2013_PAG_Lidar_based_detection_of_shrubland_and_forest_land_cover_to_improve_identification_of_golden_cheeked_warbler_habitat-1.pdf

Mathews, A. J.** and J. L.R. Jensen. *Three-dimensional building modeling using structure from motion: improving model results with telescopic pole aerial photograph*. (Papers of the Applied Geography Conference, 2012). 98-107.
2012_PAGC_Three_dimensional_building_modeling_using_structure_from_motion_improving_model_results.pdf-1.pdf

Zoch, M.* and J. L.R. Jensen. *Use of high-resolution public imagery to assist in habitat identification and wildlife monitoring efforts: a case study of Concho Water Snake habitat*. (Papers of the Applied Geography Conference, 2012). 118-124.
2012_PAGC_Use_of_high_resolution_public_imagery_to_assist_in_habitat_identification_and_wildlife_monitoring-1.pdf

4. Abstracts:

Meitzen, Kimberly Michelle, Jennifer Jensen, and Jason Paul Julian. *Texas Wild-rice Response to Covid-19 Recreation and Restrictions on the San Marcos River, Texas*. (2020).

Hoeinghaus, David J, Jennifer Jensen, Allison Pease, David Buckmeier, Nate Smith, Dan Daugherty, Kirk Winemiller, Thomas Hardy, and Ynonne Allen. *Flow-specific floodplain inundation modeling and Alligator Gar recruitment in the lower Trinity River*. (2019).

Meitzen, Kimberly Michelle, Jennifer Jensen, and Thomas Hardy. *Integrating Habitat Suitability Modeling and Environmental Flows for the Conservation of the Flood-Dependant Gar (Atractosteus spatula)*. (2017).

Jensen, J. L.R., A.** Mathews, and J. Klier. *Forest canopy height and percent cover estimates using three dimensional data obtained from an image-based point cloud*. (Tampa, FL: Abstracts of the Annual Meeting of the Association of American Geographers, 2014).

Schwinning, S., J. Jensen, M. R. Lomas, B. Schwartz, and F. I. Woodward. *The prediction of drought-related tree mortality in vegetation models. EOS Transactions*. 58 ed. (AGU, Fall Meeting Supplement, Abstract B33J-0600, 2013).

Jensen, J. L.R. *An interactive visual tool to aid in color theory concepts and understanding*. (New York, NY: Abstracts of the Annual Meeting of the Association of American Geographers, 2012).

Dietrich, J. T., M. A. Fonstad, B. C. Courville, and J. L. Jensen. *High resolution, automated, low-cost topographic mapping with Microsoft Photosynth*. (Seattle, WA: Abstracts of the Annual Meeting of the Association of American Geographers, 2011).

Jensen, J. L.R. *Lidar prediction of leaf area index in a sagebrush-steppe ecosystem*. (Seattle, WA: Abstracts of the Annual Meeting of the Association of American Geographers, 2011).

Jensen, J. L.R. and K. S. Humes. *Lidar-based evaluation of sub-pixel forest structural characteristics and sun-sensor geometries that influence MODIS leaf area index product accuracy and retrieval quality, EOS Transactions*. (Fall Meeting Supplement, Abstract B31E-0345, 2010).

Jensen, J. L.R. *Multi-platform remote sensing estimates of biomass and fuel connectivity in a perennial grassland ecosystem*. (Washington, D.C.: Abstracts of the Annual Meeting of the Association of American Geographers, 2010).

Jensen, J. L.R. and K. S. Humes. *Evaluation of physiographic influences on the agreement between MODIS Leaf Area index retrievals and lidar-based estimates*. (Las Vegas, NV: Abstracts of the Annual Meeting of the Association of American Geographers, 2009).

Jensen, J. L., K. S. Humes, A. T. Hudak, and L. A. Vierling. *Evaluation of MODIS and discrete-return lidar based estimates of Leaf Area Index in conifer forests of northern Idaho, EOS Transactions*. 53 ed. (AGU, Fall Meeting Supplement, Abstract B41A-0356, 2008).

Jensen, J. L.R., K. Humes, L. Vierling, and A. Hudak. *Comparison of single sensor vs. integrated data analysis to estimate leaf area index within highly variable forest conditions in northern Idaho*. (San Francisco, CA: Abstracts of the Annual Meeting of the Association of American Geographers, Annual Conference, 2007).

Jensen, J. L., K. S. Humes, L. A. Vierling, and A. T. Hudak. *Leaf area index modeling and mapping in conifer forests using multispectral and lidar data, EOS Transactions*. 52 ed. (AGU, Fall Meeting Supplement, Abstract B43C-1449, 2007).

5. Reports:

Jensen, Jennifer. *Vegetation Composition and Structure Modeling - 2023 Report*. (2023). 2023_Ecolab_Final_Report-1.pdf

Jensen, Jennifer. *Vegetation Composition and Structure Modeling - 2022 Report*. (2022). ECOLAB 2022 - Final Parcel Report-1.pdf

Jensen, Jennifer and Thom Hardy. *Accuracy Assessment for Dunes Sagebrush Lizard Habitat Model Located in West Texas*. (Final Report submitted to New Mexico Ecological Services Field Office, U.S. Fish and Wildlife Service. Contract no. 140F0620R0029, 2021).

Jensen, Jennifer. *Vegetation Composition and Structure Modeling, Final report submitted to Brock Consulting, LLC*. (2021).

Hardy, Thomas, Todd M Swannack, Jennifer Jensen, Kimberly Michelle Meitzen, Astrid Nadine Schwalb, and Brandon Rose. *Delineating Suitable Mussel Habitat over Large Spatial Scales based on Hydraulic Continuity Equations, Report prepared for US Army Corps of Engineers Engineer Research and Development Center*. (2019). 2019_ACOE_Delineating_Suitable_Mussel_Habitat_over_Large_Spatial_Scales_based_on_Hydraulic_Continuity_Equations-1.pdf

Tarbox, Bryan Christopher, Ian P Kelly, and Jennifer L.R. Jensen. *The Edwards to Gulf Conservation Blueprint; spatially explicit decision support tools for the San Antonio, Guadalupe, and Lower Colorado River watersheds*. (Gulf Coast Prairie Landscape Conservation Cooperative, 2019). https://gcplcc.databasin.org/datasets/63d0f335c9994b128fa219651fee6d84. https://gcplcc.databasin.org/datasets/63d0f335c9994b128fa219651fee6d84

2019_GCPLCC_Edwards to Gulf Landscape Conservation Design Pilot Project - Conservation Blueprint-1.pdf

Meitzen, Kimberly Michelle, Jennifer Jensen, and Thomas Hardy. *Floodplain Inundation Analysis of the Lower Guadalupe River: Linking Hydrology and Floodplain-Dependent Resources*. (2018). 39.
2018_TPWD_Floodplain_inundation_analysis_of_the_lower_Guadalupe_River_linking_hydrology_and_floodplain-dependent_resources-1.pdf

Hoeinghaus, David, Jennifer Jensen, Thom Hardy, Kurt O Winemiller, Allison A Pease, and Yvonne Allen. *Quantification of Alligator Gar recruitment dynamics using a river-stage specific floodplain inundation model*. (Gulf Coast Prairie Landsace Conservation Cooperative, 2018).
2018_GCPLCC_Quantification_of_Alligator_Gar_recruitment_dynamics_using_a_river-stage_specific_floodplain_inundation_model-1.pdf

Hardy, Thomas, Jennifer Jensen, and Michael R Forstner. *Alpha Texas Dunes Sagebrush Lizard (Sceloporus arenicolus) Habitat Model*. (2018).
2018_DSL_Alpha_Model_Report-1.pdf

B. Works Not in Print:

1. Papers Presented at Professional Meetings:

Hardy, T. (CoAuthor), Meitzen, K. M. (CoAuthor/Presenter), Jensen, J. (CoAuthor), 112th Annual meeting of the American Association of Geographers (AAG), "Modeling floodplain inundation to evaluate Gar (Lepisosteiformes) habitat suitability in the lower Guadalupe River, USA," American Association of Geographers, San Francisco, San Fancisco, CA, United States. (March 29, 2016).

Hardy, T. (CoAuthor/Presenter), Meitzen, K. M. (CoAuthor), Jensen, J. (CoAuthor), 11th ISE 2016, Melbourne, Australia, "DEVELOPMENT OF A FLOW DEPENDENT INUNDATION MODEL FOR EVALUATING GAR (LEPISOSTEIFORMES) HABITAT SUITABILITY IN THE LOWER GUADALUPE RIVER, USA," International Association for Hydro-Environment Engineering and Research, Melbourne, Melbourne, Australia. (February 2016).

Veech, J. A., Jensen, J., Annual meeting of the American Ornithologists' Union (132nd Stated Meeting), the Cooper Ornithological Society (84th Stated Meeting), and the Society of Canadian Ornithologists, "Assessing land cover composition and configuration along routes of the north American breeding bird survey," Estes Park, CO. (2014).

Jensen, J. L.R., Mathews, A.**, Klier, J., Annual Meeting of the Association of American Geographers, "Forest canopy height and percent cover estimates using three dimensional data obtained from an image-based point cloud," Tampa, FL. (2014).

Harper, C., Currit, N., Jensen, J. L.R., Applied Geography Conference, "Estimating tree canopy foliar volume using terrestrial LiDAR," Annapolis, MD. (2013).

McCreight, J.*, Jensen, J. L.R., American Society for Photogrammetry and Remote Sensing, Annual Conference, "Fine scale land cover classification of urban vegetation in metropolitan areas of Texas," Baltimore, MD. (2013).

McDaid, G.*, Jensen, J. L.R., American Society for Photogrammetry and Remote Sensing, Annual Conference, "Improving urban vegetation classification accuracy through multi-sensor data fusion," Baltimore, MD. (2013).

Jensen, J. L.R., Irvin, S.*, Duarte, A., Applied Geography Conference, "Lidar-based detection of shrubland and forest land cover to improve identification of golden-cheeked warbler habitat," Annapolis, MD. (2013).

Duarte, A., Jensen, J. L.R., Hatfield, J. S., Weckerly, F. W., 116th Annual Meeting of Texas Academy of Science, Schreiner University, "Spatiotemporal variation in range-wide golden cheeked warbler breeding habitat," Kerrville, TX. (2013).

Duarte, A., Jensen, J. L.R., Hatfield, J. S., Weckerly, F. W., 49th Annual Texas Chapter of the Wildlife Society Meeting, "Spatiotemporal variation in range-wide golden cheeked warbler breeding habitat," Houston, TX. (2013).

Schwinning, S., Jensen, J., Lomas, M. R., Schwartz, B. F., Woodward, F. I., American Geographical Union Fall Meeting, "The prediction of drought-related tree mortality in vegetation models," San Francisco, CA. (2013).

Jensen, J. L.R., Association of American Geographers, Annual Meeting, "An interactive visual tool to aid in color theory concepts and understanding," New York, NY. (2012).

Jensen, J. L.R., Ridenour, K., Mathews, A.**, Rissel, S., American Society for Photogrammetry and Remote Sensing, Annual Conference, "High resolution mapping of canopy fuels in the wildland urban interface: a case study in Austin, Texas," Sacramento, CA. (2012).

Mathews, A. J.**, Jensen, J. L.R., Applied Geography Conference, "Three-dimensional building modeling using structure from motion: improving model results with telescopic pole aerial photography," Minneapolis, MN. (2012).

Zoch, M.*, Jensen, J. L.R., Applied Geography Conference, "Use of high-resolution public imagery to assist in habitat identification and wildlife monitoring efforts: a case study of Concho Water Snake habitat," Minneapolis, MN. (2012).

Dietrich, J. T., Fonstad, M. A., Courville, B. C., Jensen, J. L., Association of American Geographers, Annual Meeting, "High resolution, automated, low-cost topographic mapping with Microsoft Photosynth," Seattle, WA. (2011).

Jensen, J. L.R., Association of American Geographers, Annual Meeting, "Lidar prediction of leaf area index in a sagebrush-steppe ecosystem," Seattle, WA. (2011).

Humes, K. S., Jensen, J. L.R., Association of Pacific Coast Geographers, Annual Conference, "Comparison of MODIS and lidar-derived jeaf area index in a complex-terrain, heterogeneous conifer forest," Coeur d'Alene, ID. (2010).

Fonstad, M. A., Courville, B. C., Dietrich, J. T., Jensen, J. L., American Geophysical Union Fall Meeting, "Helikites as testbeds for river remote sensing techniques," San Francisco, CA. (2010).

Jensen, J. L.R., Fremier, A., American Society for Photogrammetry and Remote Sensing, Annual Conference, "Integration of aerial photography and airborne lidar data to delineate river channel meander and cutoff dynamics," San Diego, CA. (2010).

Jensen, J. L.R., Humes, K. S., American Geophysical Union Fall Meeting, "Lidar-based evaluation of sub-pixel forest structural characteristics and sun-sensor geometries that influence MODIS leaf area index product accuracy and retrieval quality," San Francisco, CA. (2010).

Jensen, J. L.R., Association of American Geographers, Annual Conference, "Multi-platform remote sensing estimates of biomass and fuel connectivity in a perennial grassland ecosystem," Washington, DC. (2010).

Chow, T. K. (presenting author), Meng, X., Heger, N., Jensen, J., The 18th International Conference on Geoinformatics, "Sensitivity of fire growth simulation to lidar-derived elevation and fuel maps," Beijing, China. (2010).

Jensen, J. L.R., Humes, K. S., Association of American Geographers, Annual Conference, "Evaluation of physiographic influences on the agreement between MODIS Leaf Area index retrievals and lidar-based estimates," Las Vegas, NV. (2009).

Jensen, J. L.R., Humes, K. S., Bianchetti, R., American Society for Photogrammetry and Remote Sensing, Annual Conference, "Evaluation of single vs. integrated sensor algorithms to estimate leaf area index in complex forest environments," Baltimore, MD. (2009).

Jensen, J. L., Humes, K. S., Hudak, A. T., Vierling, L. A., American Geophysical Union, Fall Meeting, "Evaluation of MODIS and discrete-return lidar based estimates of leaf area index in conifer forests of northern Idaho," San Francisco, CA. (2008).

Hudak, A. (presenting author), Evans, J., McNamara, D., Falkowski, M., Jensen, J. L.R, Martinuzzi, S., Vierling, L., Link, T., USGS Second National Lidar Meeting, "Forestry applications of LiDAR in the Interior Northwest," Reston, VA. (2008).

Jensen, J. L.R., Humes, K., Vierling, L., Hudak, A., Association of American Geographers Annual Meeting, "Comparison of single sensor vs. integrated data analysis to estimate leaf area index within highly variable forest conditions in northern Idaho," San Francisco, CA. (2007).

Jensen, J. L.R., Humes, K., Vierling, L., Hudak, A., Association of American Geographers Annual Meeting, "Comparison of single sensor vs. integrated data

analysis to estimate leaf area index within highly variable forest conditions in northern Idaho," San Francisco, CA. (2007).

Jensen, J. L.R., Humes, K., Vierling, L., Hudak, A., American Geophysical Union Fall Meeting, "Leaf area index modeling and mapping in conifer forests using multispectral and lidar Data," San Francisco, CA. (2007).

Jensen, J. L.R., Humes, K. S., DeGroot, J., Botto, R., Robischon, S., 11th Biennial USDA Forest Service Remote Sensing and Applications Center Conference, "Comparison of Lidar-mapped estimates of mixed-conifer forest characteristics with operationally modeled stand data in northern Idaho," Salt Lake City, UT. (2006).

Jensen, J. L.R., Humes, K., Williams, C., DeGroot, J., ASPRS 2006 Annual Conference: Prospecting for Geospatial Information Integration, "Evaluation of lidar and multispectral data fusion methods to improve estimates of forest carbon sequestration capacity," Reno, NV. (2006).

Humes, K. (presenting author), Jensen, J. L.R., Robischon, S., DeGroot, J., Botto, R., 11th Biennial USDA Forest Service Remote Sensing and Applications Center Conference, "Inventory mapping of mixed-conifer forest stands across areas with diverse structural and topographic characteristics," Salt Lake City, UT. (2006).

Jensen, J. L.R., Scott, M. J., Svancara, L., National Gap Analysis Conference and Interagency Symposium, "Focal species as conservation targets: an assessment of Idaho’s forests as comprehensive reserves," Reno, NV. (2005).

Humes, K. S., Jensen, J. L.R., DeGroot, J., Silviscan 5th Conference on Lidar Applications in Forest Assessment and Inventory, "Inventory mapping of mixed-conifer forest stands across areas with diverse structural and topographic characteristics," Blacksburg, VA. (2005).

2. Invited Talks, Lectures, and Presentations:

Meitzen, K. M. (Presenter), Jensen, J. (co-author), Julian, J. P. (co-author), National Habitat Conservation Plan Coalition, "Texas Wild-rice Response to Covid-19 Recreation and Restrictions on the San Marcos River, Texas," Edwards Aquifer Authority Habitat Conservation Plan, Virtual. (November 2020).

Jensen, J. L.R., Faculty Showcase, Instructional Technologies Support, "How I Learned to Use TRACS to Improve Student Outcomes and Simplify Course Preparation," Texas State University-San Marcos. (2012).

Jensen, J. L.R., Texas State University, Department of Geography 5309 Graduate Seminar, "Integrating Remote Sensing and GIS to Model Ecosystem Structure and Function," San Marcos, TX. (2010).

Jensen, J. L.R., Remote Sensing Seminar: Activities at Freeman Ranch and the Texas Hill Country, "RS of Vegetation: Lidar and Spectral Imaging." (2010).

Jensen, J. L.R., Texas GIScience Center Friday talks, "Top-down vs. Bottom-up Approaches to Model Ecosystem Structure," San Marcos, TX. (2009).

Jensen, J. L.R., Coeur d'Alene GIS Workshop, "GIS on Fire", "Predicting Forest Biophysical Properties with Lidar," Plummer, ID. (2005).

Jensen, J. L.R., Humes, K., Conner, T., Williams, C., 1st Annual ForestPARC Lidar and Technical Users Conference, "Implementing Small Footprint Lidar for Operational Decision Making on the Nez Perce Reservation," Moscow, ID. (2004).

Jensen, J. L.R., 40th Annual Idaho Chapter of the Wildlife Society Meeting, "LiDAR Technology and Modeling Forest Characteristics," Moscow, ID. (March 3, 2004).

4. Workshops:

Oestreich, J. B., Jetton, K., Wendel, R., Jensen, J., Meeks, A., "New Orientation for NTL Faculty," TXST NLF Committee, TXST. (August 18, 2022).
Spring_2022_NLFNew Faculty Orientation Presentation_Presenter View (3)-1.pptx

Oestreich, J. B., Jensen, J., Meeks, A., Wendel, R., Jetton, K., "New Orientation for NLF Spring 2022," NLF Committee. (January 14, 2022).
Spring_2022_NLFNew Faculty Orientation Presentation_Presenter View (3)-2.pptx
Jan_14_2022-1.jpg

5. Other Works not in Print:

a. Works "submitted" or "under review":

Journal Articles:

Colgan, Kevin S, Jennifer Jensen, Adam Duarte, and Samantha Marie Krause. "A spatiotemporal assessment of 2020 Golden-cheeked Warbler breeding habitat and change over time." *PeerJ Life and Environment*. (2023)

Grisham, Blake Anthony, Charlotte D Wilson, Manuel Silva, C. Brad Dabbert, Jennifer Jensen, Rowdy A. White, John W. McLaughlin, and Sarah R. Fritts. "The relative influence of thermal profiles and vegetation composition and structure on fine-scale habitat selection of Scaled Quail (Callipepla squamata)." *Journal of Thermal Biology*. (2023)

b. Works "in progress":

Journal Articles:

Gharehchahi, Saeideh, Alexander Savelyev, Jennifer Jensen, Norina Andres, and Veronika Röthlisberger. "Spatial and Temporal Characteristics of Floods and Mass Movements in Switzerland from 1972 to 2016.".

c. Other Works Not in Print:

Posters:

DeMent, J. M. C., Jensen, J., Martina, J. P., TXST STEM Symposium, "Remote Sensing of Arundo donax in Native Fish Conservation Areas of Texas.," San Marcos, TX, United States. (March 2023).

DeMent, J. M. C., Jensen, J., Martina, J. P., TXST Biology Student Symposium., "Remote Sensing of Arundo donax in Native Fish Conservation Areas of Central Texas," San Marcos, TX, United States. (February 2023).

C. Scholarly / Creative Grants and Contracts:

1. Funded External Grants and Contracts:

Martina, Jason Philip, Jensen, Jennifer (Co-Principal). Using remote sensing to map Arundo donax populations in Native Fish Conservation Areas throughout Texas to better understand causal factors of invasion and set management priorities, TPWD, State, $98,537.00. (Submitted: May 2021, Funded: September 2021 - Present). Grant.

Jensen, Jennifer (Principal). Unmanned Aerial Vehicle monitoring of spectral response to plant productivity and mortality, Texas EcoLab; Brock Consulting Group, $149,280.00. (Funded: January 1, 2016 - December 31, 2024). Grant.

Yuan, Yihong (Principal), Jensen, Jennifer (Co-Principal). Developing a Web Mapping System for Election Precinct Search, Comal County Democrats, Private / Foundation / Corporate, $9,989.00. (Submitted: April 2023, Funded: June 2023 - November 2024). Grant.

Jensen, Jennifer. Small Pond Classification in the Highland Lakes Watershed Using Sentinel 2 Imagery, Lower Colorado RIver Authority, Private / Foundation / Corporate, $27,380.00. (Funded: 2023). Contract.

Martina, Jason Philip, Jensen, Jennifer (Co-Principal). Using remote sensing to map Arundo donax populations in Native Fish Conservation Areas throughout Texas to better understand causal factors of invasion and set management

priorities, TPWD, State, $98,537.00. (Submitted: May 2021, Funded: September 2021 - 2023). Grant.

Jensen, Jennifer (Principal). Geographic Information System Data Architecture Upgrade for Healthy Creeks Initiative, Texas Parks and Wildlife, State, $11,644.00. (Funded: January 17, 2023 - June 16, 2023). Contract.

Jensen, Jennifer (Principal), Meitzen, Kimberly Michelle (Co-Principal). Geographic Information System Data Architecture Upgrade for Healthy Creeks Initiative, Texas Parks and Wildlife, State, $19,994.91. (Funded: April 2021 - September 2022). Contract.

Currit, Nathan Allen (Co-Principal), Percent Contribution: 49%, Jensen, Jennifer (Co-Principal), Percent Contribution: 49%, McClellan, Stanley A (Principal), Percent Contribution: 2%. JETS STO-000090 (8-2284), Jacobs/NASA Johnson Space Center, Private / Foundation / Corporate, $2,126,189.00. (Funded: January 2015 - September 2022). Contract.

Jensen, Jennifer (Co-Principal), Currit, Nathan (Principal). Subtask order for Professor of Practice, Jacob's Engineering and Technology, Private / Foundation / Corporate, $1,641,549.00. (Funded: 2015 - 2021). Contract.

Jensen, Jennifer (Principal), Hardy, Thomas (Co-Principal). Implementing a validation framework for Dunes Sagebrush Lizard habitat classification, United States Fish and Wildlife Service, Federal, $21,354.91. (Funded: July 1, 2020 - January 1, 2021). Contract.

Jensen, Jennifer (Principal). Geographic Information System Data Architecture Upgrade for Healthy Creeks Initiative, Texas Parks and Wildlife, State, $14,537.00. (Funded: April 2020 - September 2020). Contract.

Green, Michael Clay (Principal), Jensen, Jennifer (Co-Principal), Hardy, Thomas (Co-Principal). Outreach and end-user support to implement Shared Conservation Priority Access, US Fish and Wildlife Service, Federal, $77,000.00. (Funded: 2019). Grant.

Hardy, Thomas (Principal), Forstner, Michael R (Co-Principal), Jensen, Jennifer (Co-Principal). Evaluation of Texas Conservation Plan and Dunes Sagebrush Lizard, Texas Comptroller of Pulic Accounts, State, $1,495,010.06. (Funded: November 10, 2016 - December 31, 2018). Contract.

Jensen, Jennifer (Co-Principal), Hoeinghaus, David (Principal). Quantification of Alligator Gar recruitment dynamics using a river-stage specific floodplain

inundation model, Gulf Coast Prairie Landscape Conservation Cooperative, $199,973.00. (Funded: 2015 - 2018). Grant.

Jensen, Jennifer (Co-Principal), Green, Michael Clay (Principal), Hardy, Thomas (Co-Principal). Developing a process and conservation application for Landscape Conservation Design for the Gulf Coast Prairie Landscape Conservation Cooperative., Gulf Coast Prairie Landscape Conservation Cooperative, Private / Foundation / Corporate, $200,000.00. (Funded: April 2017 - October 2018). Grant.

Jensen, Jennifer (Co-Principal), Hardy, Thom (Principal). Floodplain Inundation Analysis of the Lower Guadalupe River: Linking Hydrology and Floodplain-Dependent Resources, Texas Parks and Wildlife, $104,205.00. (Funded: 2015 - 2017). Grant.

Jensen, Jennifer (Principal), Hollier, Andi (Co-Principal). Remote Sensing of Urban Growth in the Dallas-Fort Worth Metroplex: 1985-2015, United States Geological Survey through Midwestern State University – TexasView Project, $1,350.00. (Funded: 2015 - 2016). Grant.

Jensen, Jennifer (Principal), Schaub, Corby (Co-Principal). Remote Sensing of Urban Growth in the I35 Corridor of Texas, United States Geological Survey through Midwestern State University – TexasView Project, $1,350.00. (Funded: 2015 - 2016). Grant.

Jensen, Jennifer (Co-Principal), Chen, Xiao (Principal). CC*IIE Networking Infrastructure: Enabling and Improving Data-Driven Research at Texas State University, National Science Foundation, $499,896.00. (Funded: 2014 - 2016). Grant.

Jensen, Jennifer (Co-Principal), Popescu, Sorin (Principal). Urban Vegetation for Biogenic Emissions, Texas Commission on Environmental Quality, $145,000.00. (Funded: 2010 - 2012). Grant.

Jensen, Jennifer (Principal). Evaluating the utility of laser altimetry to characterize post-fire vegetation response in a sagebrush-steppe ecosystem, John Topham and Susan Redd Butler Faculty Research Award; Charles Redd Center for Western Studies, Brigham Young University, $2,000.00. (Funded: 2010 - 2011). Grant.

Jensen, Jennifer (Co-Principal), Humes, Karen (Principal). Quantifying Leaf Area Index for Coniferous Forests: Assessment of MISR and MODIS Products Over Complex Terrain and New Methodologies for Deriving Vegetation Structure from MISR Data, NASA Idaho EPSCoR Research Initiation Grant, $30,000.00. (Funded: 2008 - 2009). Grant.

2. Submitted, but not Funded, External Grants and Contracts:

Jensen, Jennifer (Principal), Duarte, Adam (Co-Principal). Spatiotemporal assessment of golden-cheeked warbler overwinter habitat., Texas Parks and Wildlife Department, State, $96,230.00. (Submitted: November 2017). Grant.

Jensen, Jennifer (Co-Principal). Science Program in Earth Observation (SciPEO), NASA MUREP Institutional Research Opportunity. NNH14ZHA001N-MIRO, $4,998,157.00. (Submitted: 2015). Grant.

Jensen, Jennifer (Principal). Socioeconomic and Physical Divers of Rapid Environmental Change: Population Growth, Land Cover Land Use, and Water Resource Sustainability in the Austin-San Antonio Corridor. Phase I proposal, NASA ROSES Land Cover Land Use for Early Career Scientists. NNH11ZDA001N-LCLUC, $230,728.00. (Submitted: 2012). Grant.

Jensen, Jennifer (Principal). Lidar-based Assessment and Improvement Strategies for MODIS Leaf Area Index Products in Conifer Forest and Sage Ecosystems, NASA ROSES 2009 The Science of Terra and Aqua (NNH09ZDA001N), $292,408.00. (Submitted: 2010). Grant.

3. Funded Internal Grants and Contracts:

Jensen, Jennifer (Principal). Mapping Historic and Current Ashe Juniper Presence and Abundance at Freeman Center Using Historic Aerial Photography and Multispectral Image Datasets, Texas State University, Research Enhancement Program Grant, $9,980.00. (Funded: 2014). Grant.

Jensen, Jennifer (Principal). Texas Trends: Towards Developing An Interdisciplinary, Sustained Research Network in Land Change Science at Texas State University, Texas State University, Multi-disciplinary Internal Research Grant, $25,000.00. (Funded: 2013). Grant.

Jensen, Jennifer (Principal). Analysis of Dense Three-dimensional Point Clouds From Multi-angle, High Resolution Imagery to Estimate and Map Urban Forest Canopy Characteristics in Travis County, Texas, Texas State University, Research Enhancement Program Grant, $8,000.00. (Funded: 2012). Grant.

Jensen, Jennifer (Principal). Analysis of Active and Passive Remotely Sensed Data to Generate Spatially-explicit Fuel Load Estimates for a Mixed Grassland Ecosystem in Bastrop County, Texas, Texas State University, Research Enhancement Program Grant, $8,000.00. (Funded: 2010). Grant.

4. Submitted, but not Funded, Internal Grants and Contracts:

Jensen, Jennifer (Principal). Biophysical Modeling and Monitoring of Temperate Conifer Forest Structure and Function, One-time Application for Research Funds Solicited by Associate Vice President of Research, $59,600.00. (Submitted: 2009). Grant.

Jensen, Jennifer (Co-Principal), Fonstad, Mark. Hyperspectral Imaging at Texas State University, One-time Application for Research Funds Solicited by Associate Vice President of Research, $244,500.00. (Submitted: 2009). Grant.

D. Scholarly / Creative Fellowships, Awards, Honors:

Award / Honor Recipient: Diane A. Haynes Memorial Award for College of Science Outstanding Graduate Student, University of Idaho.
2009

Fellowship Recipient: University of Idaho Scholarly and Creative Activity Doctoral Fellowship ($25,000), University of Idaho.
2008 - 2009

Fellowship Recipient: NASA Idaho Space Grant Consortium Fellowship (Awarded $45,000; accepted $37,500), NASA.
2006 - 2009

Award / Honor Recipient: Second Place, Overall Research Category, University of Idaho Research Exposition.
2008

Award / Honor Recipient: Second Place, UI College of Science Student Research Exhibition, University of Idaho.
2008

IV. SERVICE

A. Institutional

1. University:

Member, Vice President Information Techology Search Committee. (2023).

Member, Voter Registration and Civic Engagement Committee. (October 2022 - December 2023).

Member, Presidential Recuritment Task Force. (2022 - 2023).

Chair, Nontenure Line Faculty Committee. (2021 - 2023).

Member, VP Institutional Inclusive Excellence Search Committee. (2022).

Member, Women in Science and Engineering Conference Planning Committee. (2016 - 2022).

Member, Secretary, Faculty Senate. (2020 - 2021).

Member, Voter Registration and Civic Engagement Committee. (October 2019 - 2021).

Member, Commencement Planning Workgroup. (2020).

Member, NASA Educator Professional Development Collaborative. (2015 - 2019).

Member, Freeman Ranch Advisory Committee. (2012 - 2018).

Inquiry Committee on Research Misconduct (at the request of Assistant VP for Research and Federal Relations), Texas State University. (2012 - 2013).

Advisor, University of Idaho Women’s Volleyball Club. (2008).

2. College:

Member, Faculty Senate Vice Chair. (2021 - 2023).

Member, Faculty Senate. (May 2019 - December 2023).

Research Enhancement Program Proposal Review. (September 2018 - December 2018).

3. Department/School:

Member, Scheduling Committee. (2021 - 2023).

Chair, Meadows Endowed Chair in Water Conservation. (2022).

Member, Associate/Full Professor Search Committee. (2019 - 2020).

Member, Communication and Recruitment Committee. (2019 - 2020).

Evaluation Committee. (September 2018 - May 2019).

Recruitment and Communication Committee. (September 2018 - May 2019).

Scholarships and Awards Committee. (September 2017 - May 2018).

Chair, Geography Student Research Symposium. (September 2017 - May 2018).

Faculty Advisor, Supporting Women in Geography, Student Organization, Texas State University. (2009 - 2017).

Chair, Evaluation Committee. (2016).

Recruitment and Communication Committee, Texas State University. (2013 - 2014).

Undergraduate Committee, Texas State University. (2013 - 2014).

Environmental Geography Candidates Search Committee, Texas State University. (2012 - 2013).

Physical Geography Candidate Search Committee, Texas State University. (2011 - 2012).

Graduate Committee. Department of Geography, Texas State University. (2010 - 2012).

Equipment Committee. Department of Geography, Texas State University. (2009 - 2011).

Scholarship Committee. Department of Geography, Texas State University. (2009 - 2010).

Graduate Student Representative, University of Idaho Geography Faculty Search Committee. (2008).

Graduate Student Representative, University of Idaho Geography Faculty Search Committee. (2006).

Geography Department Representative, UI Graduate and Professional Student Association. (2003 - 2004).

B. Professional:

Reviewer / Referee, American Philosophical Society. (2020).

Guest Editor, Remote Sensing. (2019 - 2020).

Reviewer / Referee, National Science Foundation - AISL. (2019 - 2020).

Reviewer / Referee, Remote Sensing. (2019).

Manuscript Review, Annals of the Association of American Geographers. (2017).

Manuscript Review, International Journal of Applied Geospatial Research. (2017).

Reviewer / Referee, IEEE Geoscience and Remote Sensing Letters. (2017).

Reviewer / Referee, IEEE Transactions in Geoscience and Remote Sensing. (2017).

Reviewer / Referee, Maryland Sea Grant: Coastal Resilience and Sustainability Fellowship. (2017).

Reviewer / Referee, Lakes & Reservoirs: Research and Management. (2016).

Manuscript Review, Remote Sensing of Environment. (2015).

Review Panel, NASA NESSF Carbon Cycle and Ecosystems Panel. (2015).

Review Panel, NASA NESSF Carbon Cycle and Ecosystems Panel. (2014).

Manuscript Review, Photogrammetric Engineering & Remote Sensing. (2013).

Manuscript Review, The Forestry Chronicle. (2013).

Reviewer / Referee, Silva Fennica. (2013).

Session Moderator, Technical Session: Urban Mapping #2, American Society for Photogrammetry and Remote Sensing 2012 Annual Meeting, Sacramento, CA. (2012).

Manuscript Review, Computers and Geosciences. (2011).

Manuscript Review, The Professional Geographer. (2011).

Session Chair, Paper Session 4477, Remote Sensing of the Environment, Association of American Geographers 2010 Annual Meeting, Washington, DC. (2010).

Moderator, Technical Session 84, Lidar – Forestry, American Society for Photogrammetry and Remote Sensing 2009 Annual Meeting, Baltimore, MD. (2009).

Manuscript Review, Canadian Journal of Forest Research. (2008).

C. Community:

Volunteer, Hays County Election Clerk, San Marcos, TX. (October 2019 - Present).

Volunteer, Central Texas Surf Soccer Club, Kyle, TX. (2020).

Volunteer, Central Texas Flash Soccer Club, Kyle, TX. (2018 - 2020).

Girl Scouts of Central Texas, San Marcos Service Unit Cookie Manager. (2012 - 2016).

San Marcos Girl Scout Troop 904 Cookie Coordinator. (2011 - 2015).

San Marcos Area Youth Soccer Association U10 Coach. (2011 - 2013).

E. Service Honors and Awards:

Award / Honor Recipient: Julie Tuason Award, Supporting Women in Geography (SWIG).
2015

Award / Honor Recipient: Student Organization for Geographic Information Science (SOGIS) Achievement In GIS, Texas State University.
2014