

JORDAN VICK PINO

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The Ohio State University
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EDUCATION

Ph.D., Geography (2019; expected)

The Ohio State University, Columbus, OH

August 2016 – present

Dissertation: Modeling the effects of winter storms on power infrastructure systems in the northern United States

Advisor: Dr. Steven M. Quiring

Certification in Practice of Data Analytics (2018)

Professional and Distance Education Programs, College of Engineering

The Ohio State University, Columbus OH

M.S., Geography (2015)

Louisiana State University, Baton Rouge, LA

Minor: Oceanography and Coastal Sciences

January 2014 – December 2015

Thesis: Impacts of the three-dimensional oceanic thermal structure and translation speed on tropical cyclogenesis and intensity fluctuation during the 2005 North Atlantic hurricane season

Advisor(s): Drs. Robert V. Rohli and Nan D. Walker

B.S., Geography (2013)

Louisiana State University, Baton Rouge, LA

August 2010 – December 2013

EMPLOYMENT AND RESEARCH EXPERIENCE

Graduate Research Associate

The Ohio State University, Columbus, OH

June 2018 – present

American Electric Power (AEP®), The Ohio State University: *Storm Outage Prediction Modeling* (PI: Steven M. Quiring)

Graduate Research Associate

The Ohio State University, Columbus, OH

August 2016 – May 2018

DOE Grid Modernization Lab Call: *Web Tool for Improved Electric Outage Forecasting for Response to Tropical Cyclone Events* (Grant # GM0217; PI: Steve Linger)

Graduate Research Assistant

Texas A&M University, College Station, TX

June 2016 – August 2016

DOE Grid Modernization Lab Call: *Web Tool for Improved Electric Outage Forecasting for Response to Tropical Cyclone Events* (Grant # GM0217; PI: Steve Linger)

Graduate Teaching Assistant

Texas A&M University, College Station, TX

January 2016 – May 2016

Lab Instructor

Texas A&M University, College Station, TX

January 2016 – May 2016

Graduate Student Worker + Research Assistant

Louisiana State University Earth Scan Laboratory (ESL)

January 2014 – December 2015

Undergraduate Student Worker + Research Assistant

Louisiana State University Earth Scan Laboratory (ESL)

September 2011 – December 2013

ACADEMIC PUBLICATIONS AND PRESENTATIONS

Peer-Reviewed Publications:

- 2019 Shield, S.A., S.M. Quiring, **J.V. Pino**, & K. Buckstaff, 2019: Impact of Major Weather Events on the Electrical Power Distribution System in the United States. *Weather, Climate, & Society* (in preparation).
- 2018 Shashanni, S.D. Guikema, C. Zhai, **J.V. Pino**, & S.M. Quiring, 2018: Multi-stage Prediction for Zero-inflated Hurricane Induced Power Outages. *IEEE Access* 6. doi: 10.1109/ACCESS.2018.2877078
- 2016 **Pino, J.V.**, R.V. Rohli, K.L. DeLong, G.L. Harley, & J.C. Trepanier, 2016: Using Proxy Records to Document Gulf of Mexico Tropical Cyclones from 1820–1915. *PLoS One* 11 (11): e0167482. doi:10.1371/journal.pone.0167482.

Other Publications:

- 2015 **Pino, J.V.**, 2015: Impacts of the three-dimensional oceanic thermal structure and translation speed on tropical cyclogenesis and intensity fluctuation during the 2005 North Atlantic hurricane season. M.S. Thesis, *Louisiana State University*, http://digitalcommons.lsu.edu/gradschool_theses/1644/.
- 2014 Keim, B.D., 2014: Great Lakes are Seriously Freezing Over this Winter. *The St. Bernard Parish Post* 8, 11 pp. February 25. Image processing contributor.

Professional Presentations:

- 2019 **Pino, J.V.**, S.M. Quiring, 2019: Developing a Winter Storm Power Outage Impact Model for a Midwestern Utility. Poster to be presented at *2019 Byrd Center Symposium: Climate Change Research at The Ohio State University*, Columbus, OH, March 22.
- 2018 **Pino, J.V.**, S.M. Quiring, 2018: Developing a Winter Storm Power Outage Impact Model for a Midwestern Utility. Poster presented at *2018 Annual American Geophysical Union Fall Meeting*, Washington, D.C., December 12.
- 2018 **Pino, J.V.**, S.M. Quiring, 2018: Modeling the Effects of Winter Storms on the Power Infrastructure System in the Northern United States. Paper presented at *2018 Annual Meeting of Association of American Geographers*, New Orleans, Louisiana, April. * *Climate Specialty Group (CSG) Student Paper Competition – Session I*
- 2017 **Pino, J.V.**, S.M. Quiring, S.D. Guikema, S. Shashaani, S.P. Linger, & S. Backhaus, 2017: A High Resolution Tropical Cyclone Power Outage Forecasting Model for the Continental United States. Poster presented at *2017 Annual American Geophysical Union Fall Meeting*, New Orleans, Louisiana, December 14.
- 2017 **Pino, J.V.**, S.M. Quiring, S.D. Guikema, & T.G. Williams, 2017: Improved Electric Outage Forecasts for Response to Tropical Cyclone Events. Paper presented at *2017 Annual Meeting of Association of American Geographers*, Boston, Massachusetts, April 6. * *Climate Specialty Group (CSG) Student Paper Competition – Session II*
- 2016 **Pino, J.V.**, N.D. Walker, & R.V. Rohli, 2016: Impacts of the Three-Dimensional Oceanic Thermal Structure and Translation Speed during North Atlantic Hurricanes Emily and Wilma in 2005. Poster presented at *2016 Third Annual Symposium – Association of Geography Graduate Students*, College Station, Texas, March 4.
- 2016 **Pino, J.V.**, N.D. Walker, & R.V. Rohli, 2016: Impacts of the Three-Dimensional Oceanic Thermal Structure and Translation Speed during North Atlantic Hurricanes Emily and Wilma in 2005. Poster presented at *2016 Ocean Sciences Meeting – American Geophysical Union*, New Orleans, Louisiana, February 26.

- 2016 Comeaux, J.C., N.D. Walker, A.S. Haag, & **J.V. Pino**, 2016: Assessment of Sea Surface Temperatures in the Caribbean Sea Associated with Hurricane Tracks Using GOES-East Infrared Measurement. Poster presented at *2016 Ocean Sciences Meeting – American Geophysical Union*, New Orleans, Louisiana, February 26.
- 2015 **Pino, J.V.**, 2015: Hurricane Ophelia and its Effects on Sea Surface Temperatures and the Depth of the 26°C Isotherm. Poster presented at *2015 Annual Meeting of Association of American Geographers*, Chicago, Illinois, April 23.
- 2013 Pilley, C.T., N.D. Walker, A.S. Haag, V. Raghunathan, J.C. Comeaux, A. Bordelon, & **J.V. Pino**, 2013: On the Utility of Remote Sensing Data for Oil Spill Applications. Paper presented at *2013 Gulf of Mexico Oil Spill & Ecosystem Science Conference*, New Orleans, Louisiana, January 21.

COMPETITIVE GRANTS

The Ohio State University

- 2017 Quiring, S.M., S.A. Shield, & **J.V. Pino**, 2017: Improving Power Outage Prediction and Response through Community Partnerships. *Connect and Collaborate Grants Program – Office of Academic Affairs*, The Ohio State University, \$20,000.
- 2017 Quiring, S.M., S.D. Guikema, **J.V. Pino**, & S.A. Shield, 2017: Improved Power Outage Modeling to Support Risk Management for Electrical Utilities. *Fisher College of Business Risk Institute: Request for Proposals on Risk Management*, The Ohio State University, \$20,000.

TEACHING EXPERIENCE

Texas A&M University [* denotes lab instructor]

- 2016 GEOG 205: Environmental Change (web-based course; n = 131)
- 2016 GEOG 398: Interpretation of Aerial Photographs (n = 21) *

PROFESSIONAL DEVELOPMENT AND SERVICE

Workshops and Training:

- 2017 **Storm Outage Prediction, Preparedness, and Response Workshop**
Office of Environment and Energy (OEE)
The Ohio State University, Columbus, OH

- 2016 **Teaching Orientation**
University Center for the Advancement of Teaching (UCAT)
The Ohio State University, Columbus, OH
- 2016 **Teaching Assistant Training Workshop**
Center for Teaching Excellence (CTE)
Texas A&M University, College Station, TX

Service:

- 2017 – **Graduate Studies Committee Representative**
Geography Graduate Organization (GGO)
The Ohio State University, Columbus, OH

ACADEMIC AWARDS

- 2016 **Graduate Research Associateship**
The Ohio State University, Columbus, OH
- 2016 **Graduate Teaching Assistantship**
Texas A&M University, College Station, TX
- 2015 **Graduate Student Travel Award**
Louisiana State University, Baton Rouge, LA
- 2010 – 14 **Taylor Opportunity Program for Students (TOPS) Scholarship**
Louisiana State University, Baton Rouge, LA

PROFESSIONAL ORGANIZATIONS

- 2017 – **Fisher College of Business – The Risk Institute (Fellow)**
The Ohio State University, Columbus, OH
- 2015 – **American Geophysical Union (AGU)**
- 2015 – **American Meteorological Society (AMS)**
- 2014 – **Association of American Geographers (AAG)**

TECHNICAL SKILLS

- Microsoft Office Suite
- ArcGIS 10
- Adobe Dreamweaver
- TVIS
- Canvas (mapping software)
- TeraScan
- SeaDAS (image analysis package)
- GIMP

- MATLAB
- SAS (Statistical Analysis System)
- Python programming language
- C++ programming language
- R programming language
- LINUX operating system
- LaTeX
- VIM (text editor)
- Tableau

OUTREACH AND VOLUNTEER EXPERIENCE

- 2016 **10th Annual Fall Undergraduate Research Student Poster Forum**
Office of Undergraduate Research and Creativity
The Ohio State University, Columbus, OH
- 2015 **Louisiana Sea Grant's Ocean Commotion Event**
Louisiana Sea Grant College Program
Louisiana State University, Baton Rouge, LA
- 2015 **Annual National Geographic Bee**
Louisiana Geographic Education Alliance (LGEA)
Baton Rouge, LA
- 2014 **Louisiana Sea Grant's Ocean Commotion Event**
Louisiana Sea Grant College Program
Louisiana State University, Baton Rouge, LA
- 2013 **Louisiana Sea Grant's Ocean Commotion Event**
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Louisiana State University, Baton Rouge, LA