# Qi Shi

**Position**: Postdoctoral Scholar, Great Lakes Research Center, Michigan Technological University
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**Citizenship**: U.S. Citizen

## Education

***Florida State University***, Tallahassee, FL
**Ph.D.** in Meteorology, 2017
Ph.D. Dissertation: "Coupling Ocean Currents and Waves with Wind Stress over the Gulf Steam"
**M.S.** in Meteorology, 2014
Master's Thesis: "Estimate of Tropical Cyclone Parameters Based on Microwave Humidity Sounders"
***Nanjing University***, Nanjing, China
**B.S.** in Atmospheric Science, 2008

## Professional Experience

***Great Lakes Research Center***, Houghton, MI
Postdoc Scholar, 2018-present
***Center for Ocean-Atmospheric Prediction Studies***, Tallahassee, FL
Researcher, 2018
***Florida State University***, Tallahassee, FL
Graduate Research Assistant, 2010-2017
Teaching Assistant, 2017

## Publications

**Shi, Q.** and Xue, P., 2019: Impact of lake surface temperature variations on lake effect snow over the Great Lakes region. *Journal of Geophysical Research: Atmospheres* (accepted)

**Shi, Q.** and Bourassa, M. A., 2019: Coupling Ocean Currents and Waves with Wind Stress over the Gulf Stream. *Remote Sens*., 11, 1476, doi:10.3390/rs11121476

Bourassa, M. A., and **Shi, Q.**, 2018: Validation of Two-Way Coupled Air-Sea Model Stress and Currents Through Remotely Sensed Winds and SST, *GARSS 2018 - 2018 IEEE International Geoscience and Remote Sensing Symposium*, P3278-3281, doi: 10.1109/IGARSS.2018.8519032

**Shi, Q.**, 2017: Coupling ocean currents and waves with wind stress over the Gulf Stream. *Ph.D. dissertation*. http://diginole.lib.fsu.edu/islandora/object/fsu%3A605013

**Shi, Q.**, 2014: Estimate of Tropical Cyclone Parameters Based on Microwave Humidity Sounders. *Master Thesis*. http://diginole.lib.fsu.edu/islandora/object/fsu:185319

## Presentations

**Shi, Q.**, and Xue, P., 2019: Impact of lake surface temperature variations on lake effect snow over the Great Lakes region. Oral presentation at the AGU 2019 Fall meeting, 9-13 December 2019, San Francisco, CA.

**Shi**, **Q.**, and Bourassa, M. A., 2019**:** Coupling ocean currents and waves with wind stress over the Gulf Stream. Oral presentation at 2019 American Meteorological Society Annual Meeting, 6-10 January 2019, Phoenix, AZ.

**Shi**, **Q.**, Xue, P. and Huang, C., 2018: Surface water temperature and wind divergence variability at the Great Lakes. Poster presentation at State of Lake Superior Conference, 9-12 October 2018, Houghton, MI.

**Shi**, **Q.**, and Bourassa, M. A., 2018: Three-way coupling of currents, waves and wind stress over the Gulf Stream. Oral presentation at Ocean Sciences Meeting, 11-16 February 2018, Portland, OR.

Bourassa, M. A. and **Q. Shi**, 2017: Wind, current, wave, and stress coupling in the boundary layer. Report submitted to the National Academies workshop on the future of boundary-layer observation.

**Shi**, **Q.**, and Bourassa, M. A., 2016: Coupling ocean currents and wind stress in the Gulf Stream. Oral presentation at the AGU 2016 Fall Meeting, 12-16 December 2016, San Francisco, CA.

**Shi**, **Q.**, Bourassa, M. A., and Velissariou, P., 2015: Investigating the effect of ocean currents on surface stress and heat fluxes over the Gulf of Mexico using a two-way coupled modeling system. Poster presented at the AGU 2015 Fall Meeting, 14-18 December 2015, San Francisco, CA.

**Shi**, **Q.**, and Zou, X., 2012: Comparing Hurricane Earl's Structures Observed by Microwave Humidity Sounders with HWRF Simulation. Poster presented at 92nd American Meteorology Society Annual Meeting, 22-26 January 2012, New Orleans, LA.

## Awards, Scholarships, and Grants

**Ermine M. Owenby, Jr., Fund to Promote Excellence**, awarded by Florida State University College of Arts and Sciences, Fall 2016 ($500)

**Conference Presentation Support Grant,** awarded by Florida State University Congress of graduate students, Fall 2016 ($200)

## Professional Service

Reviewer, Atmosphere, 2019

Reviewer, International Journal of Environmental Research and Public Health, 2019

## Membership

American Geophysical Union, 2015-present