

# Steven R. Schultze

University of South Alabama, Assistant Professor, Department of Earth Sciences

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## EDUCATIONAL CREDENTIALS

**Ph.D.** (Geography) *Michigan State University, 2015.*

Dissertation: “Effects of Climate Change and Climate Variability on the Michigan Wine Grape Industry”

Advisor: Dr. Lifeng Luo

**M.A.** (Geography) *Western Michigan University, 2011.*

Thesis: “Hydrologic Modeling of Wetland Loss in North-Central Florida”

Advisor: Dr. Chansheng He

**B.A.** (Geography) *University of Florida, 2008.*

## ACADEMIC APPOINTMENTS

*GIS Center Director*, Department of Earth Sciences, University of South Alabama, Spring 2020 – present (*pending administrative approval*)

*GIS Program Coordinator*, Department of Earth Sciences, University of South Alabama, Fall 2017 – present

*Graduate Faculty*, Associate Member, University of South Alabama. Fall 2017 – present.

*Assistant Professor of Geography*, Department of Earth Sciences, University of South Alabama. Fall 2015 – present.

*Adjunct Faculty*, Behavioral and Social Sciences Department, Oakland Community College – Orchard Ridge Campus, Fall 2012 – Spring 2015.

*Instructor/Teaching Assistant*, Department of Geography, Michigan State University, Summer 2012, 2013, 2014, Fall 2014 – Summer 2015. , Department of Geography, Michigan State University

2015.

*Research and Teaching Assistant*, Department of Geography, Western Michigan University, Fall 2009 – Summer 2011.

## **COURSES TAUGHT**

### **University of South Alabama**

GEO101 – Atmospheric Processes

MET/GEO 341/443 – Climatology

GEO 435 – Research Methods

GEO 475 – Field Work: Michigan Landscapes

GEO490(H) – Geography of Alcohol

GEO496/596 – Internship in Geography

GEO 102 – Landscape Processes

GEO 410 – Biogeography

GIT 461 – Environmental Applications of GIS

GEO 490 – Geographies of Sport

GEO494/594 – Directed Studies

GIT496/596 – Internship in GIS

## **PEER-REVIEWED PUBLICATIONS**

**Schultze, S.R.**, Campbell, M.N., Walley, S., Pfeiffer, K., Wilkins, B. 2020. Exploration of sub-

## **NON PEER REVIEWED PUBLICATIONS.**

**Schultze, S.R.** 2020. Map of American Viticultural Areas (AVAs) of the Midwestern United States. Midwest Viticultural Production. Ohio State Press.

**Schultze, S.R.,** Hall, B., Sabbatini, P., Dami, I. 2016. Midwest Viticultural Production. Ohio State Press. Book Chapter: “Climate and climate change effects on grapes.” (*In review.*)

## **PRESENTATIONS**

2020 “Implications of a Climate Changed Atmosphere on Cool Climate Viticulture.”





Colloquia presented at Michigan State University (part of Student Presentation Competition): “Spatial and Temporal Study of Climatic Variability on Grape Production in the Lake Michigan Shore AVA.” **Schultze, S.R.**, Sabbatini, P., Andresen, J.A.

“Just How Cold Was It?” Sabbatini P., **Schultze S.R.**, Howell G.S. 2014 Michigan Grape and Wine Conference, February 26-28, Traverse City, Michigan.

2013







**2019:** “Spatial distribution of tick population in Alabama (Working Title).” Student: Skyler Kerr (Biology), Role: Committee Member

**2018:** “Gopher Tortoise Habitat Indicators in the Upper-Mid Gulf Coast (Working Title).”

## **MEDIA AND OUTREACH-RELATED PUBLICATIONS**

**Schultze, S.R.** 2019. "Climate Change and Wine – Is the Glass Half Full or Half Empty?" Union of Concerned Scientists Blog. <https://blog.ucsusa.org/science-blogger/climate-change-and-wine>

**Schultze S.R.** 2015. Organizational materials for 2015 AAG Annual meeting Wine Specialty Group Field Trip

**Schultze S.R.** 2014. "4-minute video" lecture series for GEO203V, Michigan State University Virtual University

**Schultze S.R.** 2013. "90-second(ish) video" lecture series for GEO206V, Michigan State University Virtual University (2013)

## **PROFESSIONAL AFFILIATIONS**

### **Honor Societies**

- Gamma Theta Upsilon, Western Michigan University (Alpha Gamma) chapter

### **Professional Societies**

- American Association of State Climatologists
- Association of American Geographers (Specialty Groups: Climate, GIS, Wine/Beer/Spirits)
- Southeastern Division of the Association of American Geographers
- Alabama Academy of Science
- American Meteorological Society
- St. George Geographical Society

## **SERVICE AND OUTREACH**

### **To University of South Alabama:**

- Honors College admissions, Reviewer and Interviewer, 2018 and 2020
- South Alabama United Way Campus Drive Department Representative, Fall 2017
- USA Odyssey program, Speaker, April 2016, April 2017

### **To College of Arts & Sciences:**

- Director, GIS Center, University of South Alabama, 2020 – present
- Graduate Final Course Grade Grievance Committee Member, 2019 – 2020 academic year
- Summer Professional Development Grant Committee, Reviewer, Spring 2018
- College of Arts and Sciences Support and Development Grant Committee Member, Fall 2016

**To Earth Sciences Department:**

- GIS Program Coordinator, August 2017 – present
- Faculty Liaison to the USA Geography Club, 2016 – present
- Curriculum Committee, Member, 2017 – present
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- Eagle Scout, 2003. Project: Butterfly Garden, Tree Tops Park, Davie, Florida
- Youth Recreational Soccer Coach, City of Sunrise, Florida 2002 – 2004
- Guest Reader/Teacher, Central Park EIT5MBo5jC-2o AMC(t)-11den,