

# Ajda Savarin

## *Curriculum Vitae*

University of Miami - RSMAS  
Meteorology and Physical Oceanography  
Department of Ocean Science  
4600 Rickenbacker Causeway, Miami, FL 33149  
orca.rsmas.miami.edu/~ajdas1/WEB/  
asavarin@rsmas.miami.edu

### EDUCATION

---

- Enrolled in a Ph.D. program in Meteorology and Physical Oceanography** January 2014 - present  
University of Miami - RSMAS, Miami, FL  
Advisor: Dr. Shuyi S. Chen
- B.S. in Applied Mathematics; Minor in Physics** August 2010 - December 2013  
*Magna Cum Laude*  
University of Miami, Miami, FL  
Research Project: Convective Cold Pools and Boundary Layer Recovery Time During DYNAMO  
Mentor: Dr. Shuyi S. Chen

### EMPLOYMENT

---

- Research Assistant** January 2014 - present  
University of Miami - RSMAS, Miami, FL  
Advisor: Dr. Shuyi S. Chen
- Teaching Assistant** Fall 2015  
*Magna Cum Laude*  
University of Miami - RSMAS, Miami, FL  
Supervisor: Dr. Claire Paris
- Mathematics Tutor** August 2011 - December 2013  
University of Miami, Miami, FL  
Department of Mathematics  
Supervisor: Dr. Leticia Oropesa

## TEACHING ASSISTANTSHIP ASSIGNMENT

---

### **MSC 111: Introduction to Marine Science Lab**

Fall 2015

Professor: Dr. Claire Paris

Attended, and occasionally taught the class. Prepared the materials and tools needed for each assignment. Assisted students and answered questions during assignments. Graded lab reports. Held regular office hours and scheduled appointments with students when requested.

## DEPARTMENTAL SERVICE

---

### **Student Representative for the Diversity, Equality and Inclusion Committee (DEIC)**

January 2015 -  
present

University of Miami - RSMAS, Miami, FL

Chair: Dr. Villy Kurafalou

### **President of the University of Miami Chapter of the American Meteorological Society (AMS)**

January 2013 -  
December 2014

University of Miami, Miami, FL

Supervisor: Dr. Sharanya Majumdar

### **President of Chi Epsilon Pi, the Meteorological Honors Society**

January 2013 -  
December 2014

University of Miami, Miami, FL

Supervisor: Dr. Sharanya Majumdar

## HONORS AND AWARDS

---

### **Intensive Summer School for Computing in Environmental Science (ISSCENS)**

May 2015 -  
June 2015

Sponsored by: University of Virginia Advanced Computing Services and Engagement (UVACSE),

NASA,

University of Virginia's Department of Environmental Science

Charlottesville, VA

Project Directors: Katherine Holcomb, Andrew Bell

### **University of Miami Fellowship**

January 2014 -  
December 2015

Sponsored by: University of Miami

Miami, FL

### **AGU Student Travel Grant Award**

December 2012

Sponsored by: American Geophysical Union (AGU)

San Francisco, CA

**Honors Summer Research Program**

Sponsored by: University of Miami Honors Program  
Miami, FL  
Program Supervisor: Andrea DuPuch  
Project Supervisor: Dr. Shuyi S. Chen  
Research Project: Convective Cold Pools and Boundary  
Layer Recovery Time During DYNAMO

May 2012 -  
June 2012

**Scholarship for Citizens of Slovenia for Study Abroad**

Sponsored by: Ad Futura (Slovene Human Resources  
Development and Scholarship Fund)  
Ljubljana, Slovenia  
Supervisor: Katja Cankar

August 2011 -  
December 2013

**Zois Scholarship**

Sponsored by: Ad Futura (Slovene Human Resources  
Development and Scholarship Fund)  
Ljubljana, Slovenia

September 2006 -  
August 2011

**REFERRED PUBLICATIONS**

---

Chen, S.S., B.W. Kerns, N. Guy, D.P. Jorgensen, J. Delanoë, N. Viltard, C. Zappa,  
F. Judt, C.-Y. Lee, **A. Savarin**, 2015: Aircraft Observations of Dry Air, ITCZ,  
Convective Cloud Systems and Cold Pools in MJO During DYNAMO.  
*Bull. Amer. Meteor. Soc.* In press.

**FIRST-AUTHOR CONFERENCE PRESENTATIONS**

---

**Savarin, A.**, S.S. Chen, B.W. Kerns, M. Curcic: Effects of Model Physics and Resolution  
on Surface Winds and Air-Sea Fluxes in MJO.

*16th Annual WRF Users' Workshop*, Boulder, CO, June 2015.

**Savarin, A.**: Effects of MJO on Diurnal Cycle of Precipitation over the Maritime  
Continent.

*MPO Student Seminar*, University of Miami, Miami, FL, April 2015.

**Savarin, A.**, S.S. Chen, B.W. Kerns, C.-Y. Lee, D.P. Jorgensen: Convective Cold Pool  
Structure and Boundary Layer Recovery in DYNAMO.

*31st Conference on Hurricanes and Tropical Meteorology*, San Diego, CA, March 2014.

## FIRST-AUTHOR POSTER PRESENTATIONS

---

**Savarin, A.,** S.S. Chen: Pathways to Better Prediction of MJO Initiation over the Indian Ocean.

*96th AMS Annual Meeting, New Orleans, LA, January 2016.*

**Savarin, A.,** S.S. Chen: Effects of the Maritime Continent on Large-Scale Convection Associated with the Madden-Julian Oscillation.

*AGU Fall Meeting 2014, San Francisco, CA, December 2014.*

**Savarin, A.,** S.S. Chen, B.W. Kerns, C.-Y. Lee, D.P. Jorgensen: Convective Cold Pool Structure and Boundary Layer Recovery in DYNAMO.

*AGU Fall Meeting 2012, San Francisco, CA, December 2012.*

## PROFESSIONAL AFFILIATIONS

---

**American Association for the Advancement of Science (AAAS);** 2015 - present

**American Meteorological Society (AMS);** 2013 - present

**American Geophysical Union (AGU);** 2012 - present

## TECHNICAL SKILLS

---

**Computer Languages:** Unix, MATLAB, Python, HTML 4/5, CSS, LaTeX

**Numerical Weather Models:** WRF-ARW (Weather Research and Forecasting - Advanced Research WRF), HYCOM (Hybrid Coordinate Ocean Model), UWIN-CM (Unified Wave Interface - Coupled Model)

**Software:** Microsoft Word, Powerpoint, Excel (Mac and Windows), Pages, Keynote, Numbers, NCView