

## JENNIFER COLLINS PhD

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### EDUCATION

- 2001** PhD in Physics, Department of Space and Climate Physics  
Mullard Space Science Laboratory, University College London (United Kingdom)
- 1997** BSc Honours degree in Physical Geography with Environmental Science Minor  
University of Lancaster (United Kingdom)
- 1995** Study abroad year at the University of Colorado (Boulder), GPA: 3.96

### PROFESSIONAL ACADEMIC EMPLOYMENT

- Aug 7, 2011** Associate Professor of Geography, Environment and Planning  
**-present** University of South Florida, FL
- 2005-2011** Assistant Professor of Geography  
University of South Florida, FL
- 2003-2005** Assistant Professor of Geography and Geosciences  
Bloomsburg University, PA
- 2001-2003** Assistant Professor of Meteorology  
Plymouth State University (formerly Plymouth State College), NH
- 2000** Assistant Professor of Meteorology (1 semester appointment in spring)  
Plymouth State University, NH
- 1999-2001** Lecturer in the section on hurricanes for the 2<sup>nd</sup> year undergraduate Meteorology  
course  
University College London, UK
- 1998-2001** Teacher for 'Environmental issues and weather related hazards' class for 17-18 year  
old students  
Hurtwood House School - Surrey, UK
- 1998-2001** Assistant - experiment room operator, computer back-up assistant, grader for 2<sup>nd</sup> year  
undergraduate course 'Atmosphere, Weather and Climate'  
Mullard Space Science Laboratory - University College London, UK

## HONORS AND AWARDS

- Academy for Teaching and Learning Excellence (ATLE) Faculty Fellow, 2013-2015
- American Meteorological Society, Chapter of the Year Award, West Central Florida Chapter of the American Meteorological Society (WCFLAMS), 2011-2012. WCFLAMS Local Chapter Honor Roll 2007-2008, 2008-2009, 2010-2011 (My role – President of WCFLAMS and co-writer of application)
- Excellence in Teaching Award, Southeastern Division of the Association of American Geographers, 2010
- Outstanding Undergraduate Teaching Award, University of South Florida, 2007-2008
- Outstanding Student Organization Advisor, University of South Florida, 2007-2008
- Selected to take part in the Advanced Study Program of the National Center for Atmospheric Research colloquium: "Hurricanes at Landfall", July 1998
- Numerous grant and travel awards

## REFEREED PUBLICATIONS (*Note: names in bold and underlined are my graduate or undergraduate students, \*post-doc*)

- **Hartnett, J., J.M. Collins**, M. Baxter, D. Chambers, 2014: Spatiotemporal Snowfall Trends in Central New York. Accepted by *Journal of Applied Meteorology and Climatology*. August 2014.
- **Yoo, J., J.M. Collins** and R. Rohli, 2014: Tropical Cyclogenesis in the Intra-Americas Sea: Hurricane Cindy (2005). *Professional Geographer*, **66**, 511-524. DOI: 10.1080/00330124.2013.805628.
- **Collins, J.M.** and P. Flaherty, 2014: Keeping an 'eye' on tropical research data: The NOAA Hurricane Hunters, their missions and their recent work with the University of South Florida to archive historical information. (Accepted in *The Florida Geographer*, 2014).
- Yoo, J.\*, **J.M. Collins** and R. Rohli, 2014: An Investigation of the Tropical Cyclogenesis of Arlene (2005) Using the ERA-Interim Reanalysis and the WRF Model Simulation. *The Professional Geographer*. (Accepted April 2014).
- **Collins, J.M.** and P. Flaherty, 2013: NOAA Hurricane Hunters: A Historical and Mission Perspective. *The Florida Geographer*, **44**, 57-71.
- **Mazza Schoonard, C., J.M. Collins, C. Paxton** and C. Meindl, 2014: Explaining the spatial variability of summer rainfall in Pinellas County, Florida using ArcGISFL. *Physical Geography*, **35** (2), 107-122. DOI: 10.1080/02723646.2014.895893
- **Roberts, K., J.M. Collins, C. Paxton**, R. Hardy and J. Downs, 2014: Weather patterns associated with green turtle hypothermic stunning events in St. Joseph Bay and Mosquito Lagoon, FL *Physical Geography*, **35** (2) 134-150. DOI: 10.1080/02723646.2014.898573
- **Collins, Jennifer**. "Climatology." In *Oxford Bibliographies in Geography*. Ed. Barney Warf. New York: Oxford University Press, forthcoming (Accepted, 2013).
- Lazarus, S, **J.M. Collins**, M.A. Baxter, A. T. Case Hanks, T. M. Whittaker; K. R. Tyle; S. F. Cecelski; B. Geerts; M. K. Ramamurthy, Ph. D 2012: 2012 Unidata Users Workshop Navigating Earth System Science Data. *Bulletin of the American Meteorological Society*, **94**, ES136–ES143.

doi: <http://dx.doi.org/10.1175/BAMS-D-12-00214.1>

- **Collins, J.M., D.R. Roache, E.W. Kopp IV, D. Lunsford**, 2012: Temperature Variability over Antarctica. 35<sup>th</sup> volume of the Papers of the Applied Geography Conferences. 412-420.
- **Roache, D., J.M. Collins, C. Mazza and M. Bolton**, 2012: Rainfall and Severe Weather Influences in Pinellas County, Florida. *Bulletin of the American Meteorological Society* (Chapter Channel section), **93** (5), 603-605. (Editorially Reviewed)
- **Collins, J.M.**, 2011: Temperature Variability over Africa. *Journal of Climate*, **24**, 3649-3666.
- **Collins, J.M. and D.R. Roache**, 2011: The 2009 Hurricane Season in the Eastern North Pacific Basin: An Analysis of Environmental Conditions. *Monthly Weather Review*, **139**, (6), 1673-1682.
- **Collins, J.M. and D.R. Roache**, 2010: The Inactive 2009 Hurricane Season in the North Atlantic Basin: An Analysis of Environmental Conditions. The National Weather Association's *National Weather Digest*, **34** (2), 117-128.
- **Collins, J.M.**, 2010: Contrasting High North-East Pacific Tropical Cyclone Activity with Low North Atlantic Activity. *Southeastern Geographer*, **50** (1), 83-98.
- **Collins, J.M., C.H. Paxton and A.N. Williams**, 2009: Precursors to Southwest Florida Warm Season Tornado Development. National Weather Association's *Electronic Journal of Operational Meteorology*, **EJ12**.
- **Collins, J.M., R. Rodrigues Chaves and V. da Silva Marques**, 2009: Temperature Variability in South America between 1948-2007. *Journal of Climate*, **22**, 5854-5869.
- **Collins, J.M., A.N. Williams, C.H. Paxton, R.J. Davis and N.M. Petro**, 2009: Geographical, Meteorological, and Climatological Conditions Surrounding the 2008 Interstate-4 Disaster in Florida. *Papers of the Applied Geography Conferences*, **32**, 153-162.
- **Sullivan, J. and J.M. Collins**, 2009: The Use of Low Cost Data Logging Temperature Sensors in the Evaluation of an Urban Heat Island in Tampa, Florida. *Papers of the Applied Geography Conferences*, **32**, 252-261.
- **Collins, J.M.**, 2008: Coming to America: Challenges Facing Faculty Coming to United States' Universities and an Assessment of the Opportunities for New Academics. *Journal of Geography in Higher Education*, **32** (2), 179-188.
- **Collins, J.M.**, 2007: The Relationship of ENSO and Relative Humidity to Interannual Variations of Hurricane Frequency in the North-East Pacific Ocean. *Papers of the Applied Geography Conferences*, **30**, 324-333.
- **Hinkel, D.M. and J.M. Collins**, 2007: Assessment of Hurricane Vulnerable Populations in Ybor City, Tampa, Florida. *Papers of the Applied Geography Conferences*, **30**, 307-313.
- **Collins, J.M. and I.M. Mason**, 2003: Seasonal Environmental Conditions Related to Hurricane Activity in the North East Pacific Basin. *New England St. Lawrence Valley Geographical Society Proceedings*, **33**, 44-50.
- **Collins, J.M. and I.M. Mason**, 2000: Local Environmental Conditions Related to Seasonal Tropical Cyclone Activity in the NE Pacific basin. *Geophysical Research Letters*, **27** (23), 3881-3884.

## ARTICLES SUBMITTED FOR PUBLICATION

- J.M. Collins, B. Middlekauff and C. Paxton: Fort De Soto Park, and Mullet Key: Beach Processes, Management, and History, *Florida Geographer*. August 2014.
- Paxton, C., J. Collins, 2014. Weather, Ocean, and Social Aspects Associated with Rip Current Drownings in the United States. In: Stephen, P.L. and Lee, J.L. (eds.), *Proceedings 3<sup>rd</sup>*

*International Rip Current Symposium (Busan, South Korea), Journal of Coastal Research, Special Issue.*

- J.M. Collins, 2013: Professional Development. For publication with release on the AAG webpage (Submitted, 2013).

#### **REFEREED EDITORIALY REVIEWED PUBLICATIONS**

- **Collins, J.M.** and P. Flaherty, 2014: Keeping an 'Eye' on Tropical Research Data. National Weather Association Newsletter.
- **Collins, J.M.**, 2010: Temperature Variability over Africa. *CLIVAR Exchanges*, **15** (4), 20-22.
- Rodrigues Chaves, R., **J.M. Collins** and V. da Silva Marques, 2008: Summertime Temperature Variability in South America between 1948-2007. *CLIVAR Exchanges*, **13** (3), 19-23.

#### **BOOK CONTRIBUTIONS**

- **Collins, J.M.**, 2012: Web Quizzing (15 chapters) for Meteorology Today by Ahrens, Cengage Learning.

#### **AMERICAN METEOROLOGICAL SOCIETY (AMS) CHAPTER MEETING PUBLICATIONS**

**These are publications chosen by the editors of the *Bulletin of the American Meteorological Society* who consider submissions from all chapters of the American Meteorological Society across the nation. Typically, only one article is chosen per issue (with some issues having none chosen). They are articles written by me about research presented during the West Central Florida American Meteorological Society Chapter meetings.**

- **Roache, D., J.M. Collins, C. Mazza and M. Bolton**, 2012: Rainfall and Severe Weather Influences in Pinellas County, Florida. *Bulletin of the American Meteorological Society* (Chapter Channel section), **93** (5), 603-605.
- **Collins, J.M.**, 2009: Disaster Preparation, Response, and Recovery Using GPS-Enabled Cell Phones. *Bulletin of the American Meteorological Society* (Chapter Channel section), **90** (7), 923-924.
- **Collins, J.M.**, 2009: Utilizing Geographic Techniques to Investigate the Spatial Properties of the Rain Fields of Tropical Cyclones. *Bulletin of the American Meteorological Society* (Chapter Channel section), **90** (5), 600.
- **Collins, J.M.**, 2008: Radar Analysis Using GR2Analyst. *Bulletin of the American Meteorological Society* (Chapter Channel section), **89** (4), 21-22.
- **Collins, J.M.**, 2008: Cool Season Heavy Rainfall Events over West Central Florida. *Bulletin of the American Meteorological Society* (Chapter Channel section), **89** (2), 155-156.

#### **OTHER PUBLICATIONS**

- **Hussein, S., J.M. Collins** and B. Austin 2014: Family Activities in Tampa. Association of American Geographers Newsletter.

- **Collins, J.M. and C. Matyas** 2013: I'll Follow the Sun ... to Tampa. Association of American Geographers Newsletter, Sept 4.
- **Collins, J.M., K.Foote and B. Middlekauff** 2012: Improving AAG Regional Division Meetings. Association of American Geographers Newsletter 47 (8) (p.12-13).
- **Paxton, C.H., C.A. Mazza and J.M. Collins**, 2011: Interrelationships Among Wind Direction, Atmospheric Moisture Content and Stability with the Spatial Distribution of Rainfall and the Occurrence of Severe Weather in Pinellas County, FL. 91<sup>st</sup> American Meteorological Society Annual Meeting. 23–27 January 2011, Seattle, Washington (4 pages).
- **Paxton, C.H., T.P. Barron, J.M. Collins and N. Weis**, 2011, Evolution of the Atmosphere During Hail Events over Central Florida. 91<sup>st</sup> American Meteorological Society Annual Meeting. 23–27 January 2011, Seattle, Washington (4 pages).
- **Collins, J.M.** and B. Carstensen, 2010, World Geography Bowl in Knoxville, South-eastern Division of the Association of American Geographers newsletter, 29 (10), (p.3-4)
- **Paxton, C.H., J.M. Collins, C.N. Carlisle, and A.N. Williams**, 2010: Modeling Southwest Florida Tornadoes, 22nd Conference on Climate Variability and Change, American Meteorological Society. 17–21 January 2010, Atlanta, Georgia. P2.15 (4 pages).
- **Paxton, C.H., J.M. Collins, K.J. Pugh**, and J. Colson, 2010: A Digital Archive of Significant West Central and Southwest Florida Weather Events to Improve the Public's Response to Future Warnings, 19th Symposium on Education, American Meteorological Society. 17–22 January 2010, Atlanta, Georgia. P1.28 (4 pages).
- **Collins, J.M.**, C.H. Paxton, R.J. Davis and N. Petro, 2008: Central Florida Super Fog - Carnage on Interstate -4. The Symposium on Urban High Impact Weather, American Meteorological Society, January 2009, Phoenix, Arizona. P1.11 (4 pages).
- **Collins, J.M.**, C.H. Paxton, D.G. Noah and **A.N. Williams**, 2008: Southwest Florida Warm Season Tornado Development. The Symposium on Urban High Impact Weather, American Meteorological Society, January 2009, Phoenix, Arizona. JP2.11 (4 pages).
- Rodrigues Chaves, R., **J.M. Collins** and V. da Silva Marques, 2008: Summertime Temperature Variability in South America between 1948-2007. SBMET (published on CD – no page numbers, 5 pages).
- Rodrigues Chaves, R., **J.M. Collins, K. Pugh**, V. da Silva Marques, 2008: Wintertime Temperature Variability in South America between 1948-2007. In: Eos Trans. AGU, 89(23), Jt. Assem. Suppl., #785.
- **Collins, J.M.**, 2006: England, Great Britain, United Kingdom - What's the Difference? Association of American Geographers Newsletter (p.18).
- Ryan, S. and **J.M. Collins**, 2005: Travel Experiences as Part of the Post Secondary Curriculum at Rural Post Secondary Institutions. 36<sup>th</sup> Travel and Tourism Research Association (US) Conference. New Orleans, La. Editors R. Neil Moisey, Nancy G. McGehee (4 pages).
- **Collins, J.M.**, 2004: Who Wants to be a Millionaire? An Educational Game for Learning Enhancement. Teaching and Learning Enhancement Center's Innovative Teaching Ideas, Bloomsburg University (p. 2-4).  
(REFEREED INTERNALLY).
- **Collins, J.M.** and I.M. Mason, 2002: Seasonal Environmental Conditions Related to Tropical Cyclone Activity in the NE Pacific Basin. American Meteorological Society. San Diego, California (p. 146-147).

- **Collins, J.M.**, 2000: Local Environmental Conditions Related to Seasonal Hurricane Activity in the NE Pacific basin. 24<sup>th</sup> Conference on Hurricanes and Tropical Meteorology. Fort Lauderdale, Florida (p. 19-20).
- **Collins, J.M.**, M.A. Saunders and J.A.G. Mansley, 1998: Environmental Conditions Affecting Seasonal Hurricane Activity in the Northeast Pacific 1972-1997. 23<sup>rd</sup> Conference on Hurricanes and Tropical Meteorology. Dallas, Texas (p. 276-277).

#### **OTHER MANUSCRIPTS/REPORTS (not published)**

- “Chapter of the year” report, AMS

**These are three page reports on the achievements of the West Central Florida Chapter of the American Meteorological Society, specifically discussing what the Chapter has done for its members, the community and the national members of the AMS. Our chapter was selected for the honor roll for 2007-2008, 2008-2009 and 2010-2011. The application is pending for 2011-2012.**

- **Roache, D. and J.M. Collins**, 2012: American Meteorological Society, Chapter of the Year Application, 2011-2012.
- **Collins, J.M.** and N. Carlisle, 2011: American Meteorological Society, Chapter of the Year Application, 2010-2011.
- **Collins, J.M.** and A.N. Williams, 2010: American Meteorological Society, Chapter of the Year Application, 2009-2010.
- **Collins, J.M.**, 2009: American Meteorological Society, Chapter of the Year Application, 2008-2009.
- **Collins, J.M.**, 2008: American Meteorological Society, Chapter of the Year Application, 2007-2008.
- West Central Florida Chapter of The American Meteorological Society (WCFLAMS) Articles

**These are articles written by me (more recently also with co-authors) about presentations given by others for members of the West Central Florida Chapter of the American Meteorological Society (WCFLAMS). These articles were published online on the national AMS webpage and the West Central Florida Chapter of the AMS webpage, respectively (<http://www.ametsoc.org/amschaps/news.html>) and (<http://www.wcflams.org>). In addition, these were considered with all chapter web articles from around the nation for possible inclusion in the *Bulletin of the American Meteorological Society*. Four of these were published (see Page 3).**

- **J.J. Hartnett and J.M. Collins, 2013 (April): WCFLAMS Annual Banquet and Presentation on “Hurricane Probability in Tampa”**
- **J.J. Hartnett, K. Roberts and J.M. Collins, 2013 (March): Towards building and implementing a Regional Coastal Ocean Observing System (RCOOS) for the Southeast Region of the US**

- **J.J. Hartnett and J.M. Collins, 2013 (February): Panel of Broadcasters**
- **D.R. Roache, J.J. Hartnett and J.M. Collins, 2012 (February): Communicating Storm Surge Risk**
- **D.R. Roache, J.M. Collins and M. Bolton, 2012 (January): The Influence of Meteorological Parameters on Rainfall and Severe Weather in Pinellas County, FL**
- **Collins, J. M., D. R. Roache and M. Bolton, 2011 (November): Analyzing the Variability of Atlantic Tropical Cyclone Activity during ENSO Neutral Conditions**
- **Collins, J.M., 2011 (October): Hillsborough County Middle/High School Teacher Workshop**
- **Collins, J. M., D. R. Roache and M. Bolton, 2011 (September): Broadcast Panel of Meteorologists**
- Carlisle, N. and **J.M. Collins**, 2011 (April): Urban Effects on Precipitation, Storms, and Flooding
- Carlisle, N. and **J.M. Collins**, 2011 (March): NWS Incident Meteorology and Decision Support services
- Carlisle, N. and **J.M. Collins**, 2011 (February): Hurricanes and Climate Change: Expectations versus Observations
- Carlisle, N. and **J.M. Collins**, 2011 (January): On The Increasing Intensity of the Strongest Hurricanes
- **Collins, J. M.**, 2010 (March): “Teach the Teacher” Workshop
- **Collins, J. M.**, 2009 (April): Forensic Meteorology: All in a Week’s Work
- **Collins, J. M.**, 2009 (March): Disaster Preparation Response and Recovery using GPS-Enabled Cell Phones
- **Collins, J. M.**, 2009 (February): Central Florida Smoke and Fog – Carnage on Interstate 4 and Southwest Florida Warm Season Tornado Development
- **Collins, J. M.**, 2009 (January): High Altitude Balloon Launch
- **Collins, J. M.**, 2008 (November): Florida Coastal Ocean Observing Systems
- **Collins, J. M.**, 2008 (October): Insurance and Weather Hazards
- **Collins, J. M.**, 2008 (September): Utilizing Geographic Techniques to Investigate the Spatial Properties of the Rain Fields of Tropical Cyclones
- **Collins, J. M.**, 2008 (April): The National Weather Service
- **Collins, J. M.**, 2008 (March): Hurricane Hunters
- **Collins, J. M.**, 2008 (February): “Teach the Teacher” Workshop
- **Collins, J. M.**, 2008 (January): Polar Orbiting Weather Satellites
- **Collins, J. M.**, 2007 (November): Radar Analysis Using GR2Analyst
- **Collins, J. M.**, 2007 (October): Cool Season Heavy Rainfall Events Over West Central Florida

- Chairs Report for the Education Committee, Southeastern Division of the Association of American Geographers (SEDAAG).
- Southeastern Division of the Association of American Geographers (SEDAAG) papers

**These are unpublished articles submitted in order to present at the (SEDAAG) conference**

- **Paxton, C.H.** and **J.M. Collins**, Weather Patterns Associated with Rip Currents in the Contiguous United States Coastal Ocean Areas. Paper submitted (8/20/10) for the Annual Meeting of the Southeastern Division of the Association of American Geographers, Birmingham, Alabama, November 2010, 20 pages.
- **Roache, D.R.** and **J.M. Collins**, The Inactive 2009 Hurricane Season in the North Atlantic Basin: An Analysis of Environmental Conditions. Paper submitted (8/20/10) for the Annual Meeting of the Southeastern Division of the Association of American Geographers, Birmingham, Alabama, November 2010, 20 pages.
- **Roache, D.R.**, **J.M. Collins** and T.R. Boucher, Seasonal Change in ENSO Region Sea Surface Temperature Anomalies and Atlantic Tropical Cyclone Activity. Paper submitted for the Annual Meeting of the Southeastern Division of the Association of American Geographers, Knoxville, Tennessee, November 2009, 20 pages.
- **Paxton, C.H.**, **J.M. Collins** and **A.N. Williams**, Precursors to Southwest Florida Tornado Development. Annual Meeting of the Southeastern Division of the Association of American Geographers (SEDAAG), Knoxville, Tennessee, November 2009, 20 pages.
- **Williams, A.N.** and **J.M. Collins**, Florida Super Fog - Carnage on Interstate 4. Annual Meeting of the Southeastern Division of the Association of American Geographers, Greensboro, North Carolina, November 2008, 2 pages.
- **Collins, J.M.** and **D.M. Hinkel**, Hurricane Vulnerability of People in Ybor City, Tampa (FL). Annual Meeting of the Southeastern Division of the Association of American Geographers, Charleston, South Carolina, November 2007, 2 pages.
- **Collins, J.M.**, **D.M. Hinkel** and N. Yavneh, Hurricane REU: Experiential Learning for Undergraduate Students. Annual Meeting of the Southeastern Division of the Association of American Geographers, Morgantown, West Virginia, November 2006, 2 pages.

**GRANTS AND AWARDS RECEIVED**

**External to University**

PIs: J.M. Collins

Title: COLLABORATIVE: RUI: Reconstructing the History of Hurricane Landfalls in Southwest Florida over the Past Five Thousand Years. SUPPLEMENTAL.

Agency: NSF

Amount awarded: \$15,000



Project dates: 06/2014 – 08/14/2015  
REFEREED

PI: J. M. Collins  
Title: Environmental Weather Workshop for Teachers  
Agency: Tampa Bay Estuary  
Amount awarded: \$5,000  
Project dates: 1/1/2014-12/30/2014

PIs: J.M. Collins and J. Muller  
Title: COLLABORATIVE: RUI: Reconstructing the History of Hurricane Landfalls in Southwest Florida over the Past Five Thousand Years  
Agency: *NSF*  
Amount awarded: \$159,504 (USF: \$74,545)  
Project dates: 09/15/2013 – 08/14/2015  
Person-Months Per Year Committed to the Project. Sum: 0.5 (yr 1), 1.5 (yr 2)  
REFEREED

PI: I. Sears, J.M. Collins  
Co-PI: C.H. Paxton, J. Passman, P. Flaherty, R. Henning  
Title: A 20<sup>th</sup> Anniversary Commemoration and Tropical Cyclone Retrospective of Tampa Bay  
Agency: National Oceanic and Atmospheric Administration (NOAA) PAIG Program  
Project dates: 8/10/13 - 12/31/14  
Amount funded: \$12,000  
REFEREED

PI: J.M. Collins  
Title: Professional Development of Students by Engaging Department Alumni  
Agency: AAG EDGE  
Project dates: 9/1/12 - 5/31/13  
Amount requested: \$500

PI: J.M. Collins  
Co-PI: C. Paxton  
Title: Atmosphere and ocean conditions associated with U.S. rip current rescues and/or drownings  
Agency: University Corporation for Atmospheric Research (UCAR), COMET Partners  
Project dates: 1/1/12 - 9/30/13  
Amount funded: \$2,118 (maximum available)  
REFEREED

PI: J.M. Collins  
Co-PIs: D. Roache and C. Paxton  
Title: Upgrading Meteorological Analysis and Visualization Capability - Unidata Community Equipment Grant  
Agency: University Corporation for Atmospheric Research (UCAR) UNIDATA, sponsored by NSF  
Project dates: 5/1/11 - 6/30/12  
Amount funded: \$9,016 (An additional amount awarded in Aug 2013 making the total \$15,888)  
REFEREED

PI: J.M. Collins, R. Hart, and Q. Xiao  
Co-PI: R. Weisberg, E. Chassignet, FSU, M. Bourassa, C. Clayson, S. Morey, D. Dukhovskoy, S. Shin  
Title: Tackling Florida's Growing Geophysical Threats Through Collaborative Coupled Modeling  
Agency: State University System of Florida  
Project dates: 01/12/10-31/12/13  
Amount funded: \$300,000 (\$100,000 to USF)  
REFEREED (by the Board of Governors of SUS)

PI: J. M. Collins  
Co-PI: C.H. Paxton  
Title: A Warning System for Considering Social Characteristics of Population at Risk  
Agency: University Corporation for Atmospheric Research (UCAR), COMET Partners  
Project dates: 06/01/10 - 05/31/11  
Amount funded: \$15,000  
REFEREED (Note: this is the maximum that has been awarded for the COMET Partners program and UCAR raised the limit from the previous maximum for our project)

PI: J. M. Collins  
Co-PI: C.H. Paxton  
Title: Meteorological Conditions Influencing Sea Breeze Convergence and Resulting Rainfall Patterns and Hazards in Pinellas County, FL  
Agency: University Corporation for Atmospheric Research (UCAR), COMET Partners  
Project dates: 06/01/10 - 05/31/11  
Amount funded: \$11,353  
REFEREED

PI: J.M. Collins  
Co-PI: R. Ersing  
Title: Evacuation Behavior Measured at Time of Expected Hurricane Landfall: An Assessment of the Effects of Social Networks  
Agency: Natural Hazards Center's Quick Response Program  
Project dates: 5/1/10 - 12/31/10  
Amount funded: \$3,000 (Note: this is the maximum that can be awarded for what they call an "exceptional" proposal)  
REFEREED

PI: C.H. Paxton  
Co-PI: J.M. Collins  
Title: Tampa Bay Weather History  
Agency: National Oceanic and Atmospheric Administration (NOAA) PAIG Program  
Project dates: 8/10/09 - 12/31/09  
Amount funded: \$7,500  
REFEREED

PI: J.M. Collins  
Co-PI: R. Ersing

Title: Evacuation Behavior Measured at Time of Expected Hurricane Landfall: An Assessment of the Effects of Social Networks

Agency: Natural Hazards Center's Quick Response Program

Project dates: 3/1/09 - 12/31/09

Amount funded: \$3,000 (not used since no hurricane evacuation was ordered in Florida in 2009)

REFEREED

PI: J.M. Collins

Co-PI: D.G. Noah

Title: Meteorological Conditions Surrounding Two Florida Tornadoes and Implications for Future Forecasting

Agency: University Corporation for Atmospheric Research (UCAR), COMET Partners

Project dates: 1/1/08 - 4/30/08

Amount funded: \$4,781

REFEREED

PI: J.M. Collins

Title: Enrichment Award towards Sessions for International Faculty at San Francisco AAG, 2007

Agency: Association of American Geographers (AAG)

Project dates: 4/15/07

Amount funded: \$500

REFEREED

PI: J.M. Collins

Title: PhD, Department of Climate Physics, UCL

Agency: Natural Environment Research Council (NERC)

Project dates: 1997 - 2000

Amount funded: \$32,000

REFEREED

**Note: UCAR/COMET grants are collaborative efforts with local National Weather Service Forecast Offices. The review process for UCAR/COMET grants consists of a review at the weather service office regional headquarters. If the NWS Regional Director endorses the proposed project, it is then submitted to UCAR in Boulder, CO where a final review and selection takes place.**

#### **GRANTS AND AWARDS (Submitted – pending)**

PIs: J.M. Collins and R. Ersing

Project/Proposal Title: REU Site: Weather, Climate and Society: An interdisciplinary approach integrating physical and social sciences

Source of Support: The NEA Foundation

Total Award Amount: \$5,000

Total Award Period Covered: 01/15/2015 – 12/31/2015

Location of Project: USF

Person-Months Per Year Committed to the Project. 0.5

PIs: J.M. Collins and R. Ersing

Project/Proposal Title: Interdisciplinary faculty and graduate student learning community to enhance undergraduate education: A study group exploring an interdisciplinary approach to the weather, climate and society research

Source of Support: National Science Foundation

Total Award Amount: \$466,243

Total Award Period Covered: 05/01/2015 – 12/31/2018

Location of Project: USF

Person-Months Per Year Committed to the Project. Sum: 1

**External to University: role as senior personnel**

PI: N. Yavneh

Co-PI: R. Ersing

(J. Collins, G. Tobin, M. Kusenbach, T. Mason and L. Brown - senior personnel)

Title: Social Aspects of Hurricanes: Preparation, Response and Recovery with Vulnerable Populations. Hurricane Research Experience for Undergraduates (REU) Program

Agency: National Science Foundation (NSF)

Project dates: 1/2/10 - 2/28/13

Amount funded: \$309,633

REFEREED

PI: N. Yavneh

Co-PI: R. Ersing, G. Tobin, B. Ward, M. Kusenbach

(J. Collins major contributor and senior personnel)

Title: Social Aspects of Hurricanes: Preparation, Response and Recovery with Vulnerable Populations. Hurricane Research Experience for Undergraduates (REU) Program

Agency: National Science Foundation (NSF)

Project dates: 3/1/07 - 2/28/10

Amount funded: \$265,811

REFEREED

**External to University: travel grants**

PI: J.M. Collins

Title: Attendance to Department Leadership Workshop

Agency: AAG ALIGNED Project

Project dates: 6/13/12 – 6/16/12

Amount funded: Travel stipend and registration

PI: J.M. Collins

Title: Attendance to NSF funded Atmospheric Science Collaborations and Enriching Networks (ASCENT) workshop

Agency: Desert Research Institute (DRI)

Project dates: 6/14/09 - 6/17/09

Amount funded: Travel stipend

REFEREED

PI: J.M. Collins

Title: 1<sup>st</sup> International Cyclone Meeting in Brazil (Invited Presenter)

Agency: FINEP (Brazilian Science Foundation), Brazil

Project dates: 5/19/08 - 5/21/08

Amount funded: Total travel and registration

NOT REFEREED

PI: J.M. Collins

Title: Latin American Data Workshop, Brazil

Agency: University Corporation for Atmospheric Research (UCAR)/UNIDATA and UENF/LAMET, Brazil

Project dates: 8/21/08 - 8/23/08

Amount funded: Total travel

REFEREED

PI: J.M. Collins

Title: Early Career College and University Faculty Workshop

Agency: Geography Faculty Development Alliance (GFDA) funded by NSF

Project dates: 6/19/04 - 6/26/04

Amount funded: Total travel

REFEREED

PI: J.M. Collins

Title: Hurricanes at Landfall colloquium

Agency: Advanced Study Program of the National Center for Atmospheric Research

Project dates: 7/13/98 - 7/24/98

Amount funded: Total travel

REFEREED

**Internal to University (peer-evaluated)**

PI: J.M. Collins

Title: Florida's Weather and Climate Book

Agency: University of South Florida, University Publications Council

Project dates: 4/23/14-7/31/15

Amount funded: \$750

PI: J.M. Collins

Title: Florida's Weather and Climate

Agency: University of South Florida, CAS Faculty Research and Development Grant

Project dates: 1/1/13-5/31/14

Amount funded: \$1,500

PI: J.M. Collins

Title: Hurricane Season 2011

Agency: University of South Florida, CAS Faculty Research and Development Grant

Project dates: 1/1/12-5/31/12

Amount funded: \$5,000

PI: Q. Xiao

Co-PIs: J. M. Collins and R. Weisberg

Title: Development of a Coupled Ocean-Atmosphere Forecasting System for Applications in the Tampa Bay Area  
Agency: University of South Florida, Interdisciplinary Research Development Grant  
Project dates: 06/01/11 - 05/31/12  
Amount funded: \$20,000

PI: Q. Xiao  
Co-PIs: J. M. Collins and R. Weisberg  
Title: Development of a Coupled Ocean-Atmosphere Forecasting System for Applications in the Tampa Bay Area  
Agency: University of South Florida, Interdisciplinary Research Development Grant  
Project dates: 06/01/10 - 05/31/12  
Amount funded: \$50,000

PI: J.M. Collins  
Title: Weather Forecasting Conference  
Agency: University of South Florida, Conference Coordination Grant  
Project dates: 3/23/09  
Amount funded: \$500

PI: J.M. Collins  
Title: Applets for Teaching the Weather and Physical Geography  
Agency: University of South Florida, CTE Innovative Teaching Opportunities  
Project dates: 5/1/09 - 12/1/09  
Amount funded: \$4,000

PI: J.M. Collins  
Title: Central Florida Super Fog  
Agency: University of South Florida, CAS Faculty Research and Development Grant  
Project dates: 12/15/08 - 2/15/09  
Amount funded: \$1,000

PI: J.M. Collins  
Title: Teaching the Structure of Hurricanes and Tornadoes through State of the Art 3D Radar Analysis  
Agency: University of South Florida, CTE Innovative Teaching Opportunities (iTOPP) Grant  
Project dates: 9/1/07 - 5/1/08  
Amount funded: \$2,000

PI: P. Reeder  
Co-PI: J.M. Collins  
Title: Recertifying a General Education Course in Physical Geography  
Agency: University of South Florida, General Education Council Teaching Award  
Project dates: Jan, 2007  
Amount funded: \$1,500

PI: J.M. Collins  
Title: Meteorological Understanding Gained Through "Hands On" Experiments  
Agency: University of South Florida, CAS Faculty Research and Development Grant

Project dates: 1/1/06 - 4/30/06  
Amount funded: \$980

PI: J.M. Collins  
Title: Learning Weather through Different Media  
Agency: University of South Florida, CTE Innovative Teaching Opportunities (iTOPP) Grant  
Project dates: 5/1/06 - 8/7/06  
Amount funded: \$8,838

PI: J.M. Collins  
Title: Equipment for Hands-On Weather Experiments  
Agency: University of South Florida, CTE Innovative Teaching Opportunities (iTOPP)  
Project dates: 9/1/05 - 10/28/05  
Amount funded: \$2,000

PI: J.M. Collins  
Title: Teaching and Learning Enhancement Stipend to Develop a Workshop for International faculty  
Agency: Bloomsburg University  
Project dates: 4/1/05 - 5/31/05  
Amount funded: \$250

**Internal to University: travel awards and non-peer evaluated awards/grants/contracts**

PI: J.M. Collins  
Title: Study Abroad: Physical Geography and Environmental Science of the UK  
Agency: University of South Florida, Office of Undergraduate Research  
Project Dates: 3/18/2013-12/31/2013  
Amount funded: \$2,500

PI: J.M. Collins  
Title: European Geophysical Union Conference, Vienna  
Agency: University of South Florida, CAS Faculty International Travel Grant  
Project Dates: 4/22/2012-4/30/12  
Amount funded: \$2,000

PI: J.M. Collins  
Title: Weather Station Equipment  
Agency: News and Digital Media, USF  
Project Dates: 8/7/2011-2/28/12  
Amount funded: \$2,000

PI: J.M. Collins  
Title: Graduate School Recruitment  
Agency: University of South Florida, Graduate school  
Project Dates: 1/1/12-5/31/12  
Amount funded: \$1,250

PI: J. Ryan and A. Feldman  
Title: Coastal Areas Climate Change Education Partnership

Agency: National Science Foundation  
Project Dates: 6/1/11-5/31/13  
Amount funded: \$9,000 (provided to me by Dr. Allen Feldman for my role as lead on a Multiple Outcome Interdisciplinary Research and Learning (MOIRL) pilot project).

PI: J.M. Collins  
Title: Graduate School Recruitment  
Agency: University of South Florida, Graduate school  
Project Dates: 1/1/11-5/31/11  
Amount funded: \$2,600

PI: J.M. Collins  
Title: Travel to present on the Hurricane Vulnerable Populations in Ybor City, Association of American Geographers Conference, Boston, Massachusetts  
Agency: University of South Florida, Dr. Kiran C. Patel Center for Global Solutions  
Project dates: 4/14/08 - 4/19/08  
Amount funded: \$1,000

PI: J.M. Collins  
Title: Travel to present on the NSF funded Hurricane Research Experience for Undergraduates (REU) Program at the Southeastern Division of the Association of American Geographers Conference, Morgantown, West Virginia  
Agency: University of South Florida, Office of Undergraduate Research  
Project dates: 11/19/06 - 11/21/06  
Amount funded: \$500

### **GRANTS AND AWARDS (Submitted – not awarded)**

PIs: J. Senkbeil, J.M. Collins and R. Ersing  
Project/Proposal Title: The role of geophysical risk, social connectivity, and warning communication methods on hurricane evacuation intention in New Jersey, New York, and Connecticut  
Source of Support: New Jersey, New York, and Connecticut Sea Grant Coastal Storm Awareness Program  
Total Award Amount: \$137,379  
Total Award Period Covered: 01/01/2014 – 12/31/2014  
Location of Project: USF and UA  
Person-Months Per Year Committed to the Project. Sum: 2 (yr 1)

PIs: J.M. Collins, R. Ersing and J. Senkbeil  
Project/Proposal Title: COLLABORATIVE: The Role of Social and Geophysical Influences on Hurricane Evacuation Decision Making  
Source of Support: NSF  
Total Award Amount: \$470,353  
Total Award Period Covered: 05/1/2014 – 04/30/2016.  
Location of Project: USF and UA  
Person-Months Per Year Committed to the Project. Sum: 2 (yr 1), 2 (yr 2)

PIs: J.M. Collins, J. Muller, P. Wang, R. Morss, C. Paxton



Title: Southwest Florida hurricane strikes: Assessing past millennial-scale trends to predict future threats

Agency: *Florida Seas Grant*

Amount requested: \$200,000

Project dates: 08/1/2013 – 07/31/2015

PIs: P. Wang, S. Bell, M. Rains, L. Strom, M. Kusenbach, J.M. Collins; F. Jose, D. Fugate, J. Muller, M. Savarese

Title: Southwest Florida Barrier Islands Sustainability (SWFBIS)

Agency: *NSF, Coastal SEES*

Amount requested: \$ 2,007,524

Project dates: 06/01/13 - 05/31/18

PIs: J.M. Collins and J. Downs

Title: Forecasting for Green turtle cold-stunning events in St. Joseph Bay and Mosquito Lagoon, Florida

Agency: Florida Sea Turtle Grants Program

Project dates: 05/31/13-05/30/14

Amount requested: \$13,666

PIs: C.B. Connor, J.M. Collins, T. Dixon, R. Malservisi and S. McNutt

Title: FESD Preliminary Proposal, Type I: Dynamic links between volcanic arcs and Earth's atmosphere

Agency: NSF

Project dates: 01/01/14 - 12/31/18

Amount requested: \$3,731,691

PI: J.M. Collins

Co-PI: R. Ersing and J. Simms

Title: Social Connections Affecting Evacuation Behavior Measured at Time of Expected Hurricane Landfall

Agency: NSF

Project dates: 3/1/12 - 12/31/13

Amount requested: \$406,264

PI: J.M. Collins

Co-PI: R. Ersing

Title: Social Networks Affecting Evacuation Behavior Measured at Time of Expected Hurricane Landfall

Agency: NSF

Project dates: 5/1/11 - 4/30/13

Amount requested: \$320,143

PI: J.M. Collins

Co-PI: R. Ersing

Title: Social Networks Affecting Evacuation Behavior Measured at the Time of Expected Hurricane Landfall

Agency: NSF

Proposed project dates: 06/01/09 - 05/31/11

Funding requested: \$143,000

PI: J. M. Collins

Co-PI: D.R. Roache

Title: Upgrading Meteorological Analysis and Visualization Capability - Unidata Community Equipment Grant

Agency: University Corporation for Atmospheric Research (UCAR)

Proposed project dates: 06/01/10 - 05/31/11

Funding requested: \$20,000

PI: J.M. Collins

Co-PI: C.H. Paxton

Title: Warning System Considering Social Characteristics Regarding Population at Risk

Agency: University Corporation for Atmospheric Research (UCAR), COMET Cooperative

Proposed project dates: 5/1/09 - 8/7/11

Funding requested: \$29,457

**Note: UCAR/COMET grants are collaborative efforts with local National Weather Service Forecast Offices. The review process for UCAR/COMET grants consists of a review at the weather service office regional headquarters. In this case, the NWS Regional Director endorsed the proposed project; it was then submitted to UCAR in Boulder, CO where the final selection took place. Unfortunately funding was not given as we applied for the Cooperative grant. They provided positive feedback and suggested it could be funded by the Partners grant opportunity, but at that time the money had been allocated elsewhere for this award. The grant was resubmitted to the Partners program in 2010 and was then awarded.**

PI: J.M. Collins

Title: Teach the Teacher Active Learning Workshop

Agency: Hillsborough County Children's Board

Proposed project dates: 2/10/09 - 3/10/09

Funding requested: \$2,000

PI: J.M. Collins

Title: Hurricane Evacuation and Preparedness: A Study of Feasibility, Evacuation Behavior and Promoting Accountability

Agency: University of South Florida, Interdisciplinary Research Development Grant

Proposed project dates: 5/1/09 - 4/30/11

Funding requested: \$49,995

PI: J.M. Collins

Title: Meteorological Activities Designed for Greater Tampa Bay Area Educators

Agency: National Oceanic and Atmospheric Administration (NOAA)

Proposed project dates: 1/1/09 - 12/31/09

Funding requested: \$461,727

PI: J.M. Collins

Title: Meteorological Activities Designed for Greater Tampa Bay Area Educators

Agency: Environmental Protection Agency

Proposed project dates: 5/1/08 - 12/31/09

Funding requested: \$86,446

## PAPERS PRESENTED – ACADEMIC MEETINGS

### International

- **Collins, J.M. and D.R. Roache**, 2011 Hurricane Season – A Comparison with Climatology and Intraseasonal Variability. European Geophysical Union, Vienna, 2012.
- **Paxton, C.P. and Collins J.M.**, Analysis of Climate Indices Associated with Hurricanes Making Landfall in the U.S. during 1951-2010. 3<sup>rd</sup> International Hurricane Summit on Hurricanes and Climate Change, Rhodes, Greece, June 2011 (co-presented).
- **Collins, J.M.**, R. Rodrigues, V. Silva Marques and K. Pugh, Temperature Variability in South America between 1948-2007. Latin American Data Workshop, Sao Paulo, Brazil, August 2008 **(INVITED)**
- **Collins, J.M.**, 2008: Factors that Influence the Interannual Variability of Hurricane Frequency in the NE Pacific. 1<sup>st</sup> International Cyclone Meeting. Rio de Janeiro, Brazil, May 2008 **(INVITED)**
- Ryan, S. and **J.M. Collins**, "Travel Experiences as Part of the Post Secondary Curriculum" in Measuring the Tourism Experience: When Experience rules, what is the metric of success? Travel and Tourism Research Association 35th Annual Conference Proceedings. Montreal, Quebec, Canada, 2004

### National

- **Randall J. Hergert, J. M. Collins, J. P. Dunion, and C. H. Paxton**. Saharan Air Layer Dust Loading: Effects on Convective Strength in Tropical Cloud Clusters. Annual Meeting of the American Meteorological Society, Phoenix, AR Jan 4-8, 2015.
- Muller, J\*, **J. Collins**, Ercolani and **C. Paxton**. A Millennial-Scale Record of Hurricane Landfalls along the Southwest Florida Coastline, 2014 Annual Meeting of the Association of American Geographers, Tampa, FL April 8-12.
- **Collins. J.M.**, J. Muller, **C. Paxton**, Ercolani. Sampling considerations for paleotempestology storm surge records along the southwest Florida coast, 2014 Annual Meeting of the Association of American Geographers, Tampa, FL April 8-12.
- **Rice, L.\***, **J. Collins**, **H. Gladwin** and **B. Morrow**. Public Perception and Response to Superstorm Sandy. 2014 Annual Meeting of the Association of American Geographers, Tampa, FL April 8-12.
- **Paxton, C., J. M. Collins**, T. P. Barron, and R. J. Davis. Weather Challenges to Urban and Ecosystem Environments along Florida's West Coast. Annual Meeting of the American Meteorological Society, Atlanta, GA Feb 2-7, 2014.
- **Yoo, J.\***, **J. Collins**, and R.V. Rohli, An investigation of tropical cyclogenesis in the Intra-Americas Sea using the ERA-Interim Reanalysis: Tropical Storm Arlene (2005), 2013 Annual Meeting of the Association of American Geographers, Los Angeles, CA, April 9-13.
- **Jellison, D.** and **J.M. Collins**, Social Networking's Influence during Disaster Recovery. AABSS, Las Vegas, February 2013.
- **Collins, J.M. and D.R. Roache**, 2012 Hurricane Season – A Comparison with Climatology and Intraseasonal Variability. Annual Meeting of the Association of American Geographers, LA, April 2013.

- **Paxton, C.H.**, T. Barron, R. Davis, **J. M. Collins**, **K. E. Roberts**, 2012, **Weather Challenges to Estuarine Ecosystems Along Florida's West Coast**. 6th National Conference on Coastal and Estuarine Habitat Restoration, Tampa, FL, October 2012.
- **Collins, J.M.**, **C.H. Paxton**, **D.R. Roache**, T.L. Hansen, K. Hirvela, J.L. Simms, S. Kotiyal, Integrated Hazard Information Service: A Warning System for Considering Social Characteristics of Population at Risk. Annual Meeting of the Association of American Geographers, NY, February 2012.
- **Paxton, C.H.**, **J. M Collins**, T. L. Hansen, J. L. Simms, K. Hirvela, S. Kotiyal, 2012: 28th Conference on Interactive Information Processing Systems (IIPS), 92<sup>nd</sup> Annual Meeting of the American Meteorological Society Conference, 22-26 January 2012, New Orleans, Louisiana.
- **Paxton, C.H.**, **J. M. Collins**, and J. Colson, 2012: Weather patterns and social aspects associated with U.S. rip current deaths, 10th Symposium on the Coastal Environment, 92<sup>nd</sup> Annual Meeting of the American Meteorological Society Conference, 22-26 January 2012, New Orleans, Louisiana.
- **Yoo, J., R.**, **J. Collins** and R. Hart, Coupled WRF-HYCOM Model Development at USF: Current Status of the Development with a Case Study of Hurricane IKE (2008). *Annual Meeting of the Association of American Geographers*, NY, February 2012.
- **Collins, J.M.**, **D.R. Roache**, **E.W. Kopp IV**, D. Lunsford, 2011: Temperature Variability over Antarctica. The 34<sup>th</sup> Applied Geography Conference, Redlands, CA, October, 2011.
- **Collins, J.M.**, **C.H. Paxton**, T.L. Hansen, K. Hirvela, J.L. Simms, S. Kotiyal, A Warning System Which Considers Social Characteristics of Population at Risk. Annual Meeting of the Association of American Geographers, Seattle, WA, April 2011.
- **Paxton, C.H.** and **J.M. Collins**, T.L. Hansen, J.L. Simms, K. Hirvela, S. Kotiyal, A new weather warning tool that incorporates census data. American Geophysical Union.
- **Paxton, C.H.** and **J.M. Collins**, Weather patterns associated with rip current deaths in the contiguous United States coastal ocean areas. Annual Meeting of the Association of American Geographers, Seattle, WA, April 2011
- **Roache, D.R.** and **J.M. Collins**, The Impact of the Madden - Julian Oscillation on Eastern North Pacific Basin Hurricane Season Onset. Annual Meeting of the Association of American Geographers, Seattle, WA, April 2011
- **Mazza, C.**, **J.M. Collins** and **C.H. Paxton**, Sea Breeze and Associated Wind Regimes Affecting Rainfall Patterns and Severe Weather in Pinellas County, FL. Annual Meeting of the Association of American Geographers, Seattle, WA, April 2011
- **Mazza, C.**, **J.M. Collins** and **C.H. Paxton**, The Spatial Distribution of Rainfall Patterns in Pinellas County, FL. The Annual Meeting of the National Weather Association. Tucson AZ, October 2010
- **D.R. Roache** and **J.M. Collins**, The Impact of Interaction between the El Niño - Southern Oscillation and the Madden - Julian Oscillation on Eastern North Pacific Tropical Cyclone Activity. The Annual Meeting of the National Weather Association. Tucson AZ, October 2010

- **Collins, J.M.** and **D.R. Roache**, The 2009 Hurricane Season in the Eastern North Pacific and Implications for the North Atlantic. Annual Meeting of the Association of American Geographers, Washington DC, April 2010
- **Roache, D.R.**, **J.M. Collins** and T. Boucher, The Variability of Atlantic Tropical Cyclone Activity and Landfall Frequency during the ENSO Neutral Conditions. Annual Meeting of the Association of American Geographers, Washington DC, April 2010
- **Paxton, C.H.** and **J.M. Collins**, Modeling Tornado Development in Southwest Florida. Annual Meeting of the Association of American Geographers, Washington DC, April 2010
- **Paxton, C.H.**, **J.M. Collins**, and **K.J. Pugh**, Weather Patterns Associated With Florida Rip Current Deaths. 1st International Rip Current Symposium, Miami, Florida, February 2010
- **Paxton, C.H.**, **J.M. Collins**, C.N. Carlisle, and **A.N. Williams**, Modeling Southwest Florida Tornadoes. 22nd Conference on Climate Variability and Change, Annual Meeting of the American Meteorological Society, Atlanta, Georgia, January 2010
- **Paxton, C.H.**, **J.M. Collins**, **K.J. Pugh**, and J. Colson, A Digital Archive of Significant West Central and Southwest Florida Weather Events to Improve the Public's Response to Future Warnings. 19th Symposium on Education, Annual Meeting of the American Meteorological Society, Atlanta, Georgia, January 2010
- **Collins, J.M.**, **C.H. Paxton** and **A. Williams**, Geographical, Meteorological, and Climatological Conditions Surrounding the 2008 Interstate 4 Disaster in Florida. Applied Geography Conference, Baton Rouge, Louisiana, October 2009
- **Sullivan, J.** and **Collins, J.M.**, The Use of Low Cost Data Logging Temperature Sensors in the Evaluation of an Urban Heat Island in Tampa, Florida. Applied Geography Conference, Baton Rouge, Louisiana, October 2009
- **Collins, J.M.**, **A. Williams**, C.H. Paxton and D. Noah, Southwest Florida Warm Season Tornadoes. Annual Meeting of the Association of American Geographers, Las Vegas, Nevada, March 2009
- Rodrigues, R., **J.M. Collins**, V. da Silva Marques and **K. Pugh**, Summertime Temperature Variability in South America between 1948-2007. The Meeting of the Americas, American Geophysical Union Joint Assembly, Ft. Lauderdale, Florida, May 2008
- **Collins, J.M.** and **D.M. Hinkel**, A Case Study in Identifying Vulnerable Populations in the City of Tampa, Florida. Annual Meeting of the Association of American Geographers, Boston, Massachusetts, April 2008
- **Collins, J.M.**, The Relationship of ENSO and Relative Humidity on Interannual Variations of Hurricane Numbers in the North-East Pacific Ocean. Applied Geography Conference, Indianapolis, Indiana, October 2007
- **Collins, J.M.**, Coming to America: A Case Study Depicting Challenges Facing Faculty Coming to United States Universities and Assessing Opportunities for New Academics. Annual Meeting of the American Meteorological Society, Denver, Colorado, April 2005
- **Collins, J.M.** and I.M. Mason, Seasonal Environmental Conditions Related to Hurricane Activity in the Northeast Pacific Basin. Annual Meeting of the Association of American Geographers, New Orleans, Louisiana, March 2003
- **Collins, J.M.** and I.M. Mason, 2002: Seasonal Environmental Conditions Related to Tropical Cyclone Activity in the NE Pacific basin. 25<sup>th</sup> Conference on Hurricanes and Tropical Meteorology, American Meteorological Society. San Diego, California, April 2002
- **Collins, J.M.**, Local Environmental Conditions Related to Seasonal Hurricane Activity in the NE Pacific basin. 24<sup>th</sup> Conference on Hurricanes and Tropical Meteorology, American Meteorological Society. Fort Lauderdale, Florida, May 2000

- **Collins, J.M.**, M.A. Saunders and J.A.G. Mansley, Environmental Conditions Affecting Seasonal Hurricane Activity in the Northeast Pacific 1972-1997. 23<sup>rd</sup> Conference on Hurricanes and Tropical Meteorology, American Meteorological Society. Dallas, Texas, January 1999

### **Regional**

- **Weis, N., C.Paxton, J.M. Collins**, Perceptions Toward Storm Surge, Future Sea Level Rise, and Evacuation, 2011 Climate Education Symposium & Showcase, Tampa, Florida, November 2011.
- **Roache, D.R., J.M Collins**, The Inactive 2009 Hurricane Season in the North Atlantic Basin: An Analysis of Environmental Conditions. Annual Meeting of the Southeastern Division of the Association of American Geographers, Birmingham, Alabama, November 2010
- **Paxton, C.H., J.M. Collins** and **A.N. Williams**, Modeling Southwest Florida Warm Season Tornado Development. Annual Meeting of the Florida Society of Geographers, Tampa, Florida, January, 2010
- **Roache, D.R., J.M Collins** and T.R. Boucher, The Impact of the El Niño - Southern Oscillation on Atlantic Landfalling Intense Hurricanes. Annual Meeting of the Florida Society of Geographers, Tampa, Florida, January 2010
- **Roache, D.R., J.M. Collins** and T.R. Boucher, Seasonal Change in ENSO Region Sea Surface Temperature Anomalies and Atlantic Tropical Cyclone Activity. Annual Meeting of the Southeastern Division of the Association of American Geographers, Knoxville, Tennessee, November 2009
- **Paxton, C.H., J.M. Collins** and **A.N. Williams**, Precursors to Southwest Florida Tornado Development. Annual Meeting of the Southeastern Division of the Association of American Geographers (SEDAAG), Knoxville, Tennessee, November 2009
- **Williams, A.N., J.M. Collins**, C.H. Paxton and D. Noah, Southwest Florida Warm Season Tornadoes. West Central Florida Chapter of the American Meteorological Society Meeting, Tampa, Florida, February 2009
- Paxton, C.H., **J.M. Collins**, **A.N. Williams** and D. Noah, Florida Super Fog - Carnage on Interstate 4. West Central Florida Chapter of the American Meteorological Society, Tampa, Florida, February 2009
- **Williams, A.N.** and **J.M. Collins**, Florida Super Fog - Carnage on Interstate 4. Annual Meeting of the Southeastern Division of the Association of American Geographers, Greensboro, North Carolina, November 2008
- **Collins, J.M.** and **D.M. Hinkel**, Hurricane Vulnerability of People in Ybor City, Tampa (FL). Annual Meeting of the Southeastern Division of the Association of American Geographers, Charleston, South Carolina, November 2007
- **Collins, J.M., D.M. Hinkel** and N. Yavneh, Hurricane REU: Experiential Learning for Undergraduate Students. Annual Meeting of the Southeastern Division of the Association of American Geographers, Morgantown, West Virginia, November 2006
- **Raulerson, A.** and **J.M. Collins**, Meteorological Concepts Explained Through A Flight Fieldtrip Experience. Annual Meeting of the Florida Society of Geographers, St. Petersburg, Florida, February 2006
- **Collins, J.M.**, Travel Experiences as Part of the Post Secondary Curriculum. Annual Meeting of the Middle States Division of the Association of American Geographers. Villanova, Pennsylvania, October 2004
- **Collins, J.M.** and S. Ryan, Travel Experiences as Part of the Post Secondary Curriculum at Rural Post Secondary Institutions. Annual Meeting of the Pennsylvania Geographical Society. New Cumberland, Pennsylvania, November 2004

- **Collins, J.M.**, Why are there Few Hurricanes in One Year When There May be Many Hurricanes in Another Year? Annual Meeting of the Pennsylvania Geographical Society. Erie, Pennsylvania, November 2003

## MAJOR SPEECHES

- J.M. Collins, June 14, 2012: Promoting Diversity. Panelist for the 2012 AAG Department Leadership Workshop, University of Colorado, Boulder, CO  
**(INVITED)**
- J.M. Collins, February 1st, 2012: Interannual Hurricane Variability in the North Atlantic and Eastern North Pacific basins. Florida Institute of Technology, FL  
**(INVITED)**
- J.M. Collins, October 7<sup>th</sup>, 2011: Relationships Between Hurricane Activity in the Northeast Pacific and North Atlantic Basins. Hobart Williams Smith College, NY  
**(INVITED)**
- **J.M. Collins**, March 3<sup>rd</sup>, 2010: Poster Design. Undergraduate Research Symposium Workshop Series. University of South Florida  
**(INVITED)**
- **J.M. Collins**, February 26<sup>th</sup>, 2010: The 2009 Hurricane Season in the Eastern North Pacific and Implications for the North Atlantic. Florida State University  
**(INVITED)**
- **J.M. Collins**, October 13<sup>th</sup>, 2009: Hurricanes - Are They Becoming More Frequent and What Causes Their Frequency to Vary from Year to Year? Department of Environmental Science, Policy and Geography. University of South Florida St. Petersburg  
**(INVITED)**
- **J.M. Collins**, September 16<sup>th</sup>, 2009: Hurricanes - Are They Becoming More Frequent and What Causes Their Frequency to Vary from Year to Year? College of Arts and Sciences Lunch with a Scholar Series, University of South Florida  
**(INVITED)**
- **J.M. Collins**, August 11<sup>th</sup>, 2009: Teaching Tips for the Graduate Orientation. Department of Geography, University of South Florida
- **J.M. Collins**, June 12<sup>th</sup>, 2009: Active Versus Inactive Seasons. NSF funded Hurricane Research Experience for Undergraduates (REU) seminar series, University of South Florida
- C.H. Paxton, **A.N. Williams**, **J.M. Collins**, February 12<sup>th</sup>, 2009: Central Florida Fog, National Weather Service GoToMeeting online presentation
- C.H. Paxton, **A.N. Williams**, **J.M. Collins**, February 12<sup>th</sup>, 2009: South-West Florida Tornadoes, National Weather Service GoToMeeting online presentation
- **J.M. Collins**, September 11th, 2008: Relationships between Hurricane Activity in the Northeast Pacific and North Atlantic Basins. University of Florida  
**(INVITED)**
- **J.M. Collins**, June 22<sup>nd</sup>, 2007: Interannual Variability of Hurricane Frequency. NSF funded Hurricane Research Experience for Undergraduates (REU) seminar series, University of South Florida
- **J.M. Collins**, September 8<sup>th</sup>, 2006: The SHEAR Magnitude of the 2005 Season. What Does 2006 Hold in Store for Us? The NE Pacific and Atlantic Hurricane Link. College of Marine Sciences, University of South Florida

**(INVITED)**

- **J.M. Collins**, September 6<sup>th</sup>, 2006: Hurricanes. Environmental Research Interdisciplinary Colloquium (ERIC), University of South Florida  
**(INVITED)**
- **J.M. Collins**, July, 17<sup>th</sup>, 2006: The SHEAR Magnitude of the 2005 Season. What Does 2006 Hold in Store for Us? NSF funded Hurricane Research Experience for Undergraduates (REU) seminar series. University of South Florida
- **J.M. Collins**, March 28<sup>th</sup>, 2006: The SHEAR Magnitude of the 2005 Season. What Does 2006 Hold in Store for Us? West Central Florida Chapter of the American Meteorology Society  
**(INVITED)**
- **J.M. Collins**, and A. Raulerson, March 8<sup>th</sup>, 2006: Who Wants to be a Meteorologist or a Businessperson or ??? An Educational Game for Learning Enhancement. Symposium on 21st Century Teaching Technologies, Center for 21st Century Teaching Excellence, University of South Florida
- **J.M. Collins**, November 16<sup>th</sup>, 2005: Hurricanes - Let's be Ready. Great American Teach-in Presentation. Pride Elementary School, Tampa, Florida  
**(INVITED)**
- **J.M. Collins**, February 25<sup>th</sup>, 2003: Hurricanes - Why are There Few in one Year when there may be many in Another? Society for Scholarly Dialogue. Plymouth State University  
**(INVITED)**

**OTHER CONFERENCES ATTENDED**

- Climate Change Conference on National Security, Energy and Climate sponsored by the Pew Project - University of South Florida, Florida (2009)
- The Global Water Crisis offered by the College of Public Health - University of South Florida, Florida (2009)
- Math Awareness Conference - St. Petersburg, Florida (2006)
- 1<sup>st</sup> International Conference on Climate and Philosophy - University of South Florida, Florida (2006)
- Annual Meeting of the Southeastern Division of the Association of American Geographers - West Palm Beach, Florida (2005)
- New England Storms Conference - Saratoga, New York (2000)
- Hurricanes at Landfall Conference - Birmingham, United Kingdom (1999)
- Dealing with Natural Disasters Conference - London, United Kingdom (1999)
- Global Warming Conference - Hong Kong (1998)
- 100<sup>th</sup> The Physics of Climate Conference - London, United Kingdom (1997)

**CURRENT MEMBERSHIP OF PROFESSIONAL ORGANIZATIONS**

- National Weather Association (NWA)
- Association of American Geographers (AAG)
- Climate Specialty Group of the AAG (CSG)
- American Meteorological Society (AMS)
- West Central Florida Chapter of the AMS (WCFLAMS)
- European Geophysical Union (EGU)



- Florida Society of Geographers (FSG)
- Southeastern Division of the Association of American Geographers (SEDAAG)
- Council on Undergraduate Research (CUR)

## PROFESSIONAL LEADERSHIP AND SERVICE

1. National Weather Association (NWA)
  - Specialized Operations Committee on Tropical Cyclones, 2009-present (**INVITED and approved by the Special Operations Services Committee**)
2. American Meteorological Society
  - AMS Membership Committee, 2011-present
  - Local Chapters Affairs Committee, 2013-2016
3. West Central Florida Chapter of the American Meteorological Society (WCFLAMS)
  - President, 2010 - present (**ELECTED**). Received award for Local Chapter of the Year, 2011-2012. Honor Role 2012-2013, 2013-2014 and other years.
  - Vice President, 2009-2010 (**ELECTED**)
  - Corresponding Secretary, 2007-2009 (**ELECTED**)
  - Dewey Stowers' Award Selection Committee, 2005-2008
  - Bert Wappler Scholarship Selection Committee, 2006-2008
4. University Corporation of Atmospheric Research
  - Unidata Committee, 2011-present (**NOMINATED AND ELECTED BY BOARD**)
    - Co-organizer of the UNIDATA Users Triennial Workshop
5. Association of American Geographers (AAG)
  - Co-Chair of the Local Arrangements Committee for the 2014 Association of American Geographers in Tampa
  - Climate Specialty Group Chair, 2014 – 2016 (**ELECTED**)
  - Climate Specialty Group Vice Chair, 2012 – 2014 (**ELECTED**)
  - Moderator for the panel on Promoting collegiality and communication and improving faculty satisfaction, 2012 AAG Department Leadership Workshop, University of Colorado, Boulder, CO (**INVITED**)
  - Climate Specialty Group Director, 2010 – 2012 (**ELECTED**)
  - Panel member, alongside AMS President Dr. Louis Uccellini, “Working at the intersection of Geography and Atmospheric Science”. Association of American Geographers Conference, NY, 2012 (INVITED)
  - Panel member, alongside former AAG Past President, Dr. Kenneth Foote, “Improving AAG Regional Division Conferences”. Association of American Geographers Conference, NY, 2012 (INVITED)
  - Student Paper Judge, 2011
  - Geography Bowl committee, 2003-2009
  - Session/Workshop Organizer and Leader for International Faculty, San Francisco, California, 2007
  - World Geography Bowl Coach and Team Organizer, Las Vegas, Nevada, 2009
  - World Geography Bowl Team Coach and Team Organizer, Boston, Massachusetts, 2008
  - World Geography Bowl Judge and Final Round Question Author, Chicago, **Illinois**, 2006

- World Geography Bowl Moderator and Question Author, Denver, Colorado, 2005
  - World Geography Bowl Moderator and Question Author, Philadelphia, Pennsylvania, 2004
  - World Geography Bowl Moderator and Question Author, New Orleans, Louisiana, 2003
6. Southeastern Division of the Association of American Geographers (SEDAAG)
- World Geography Bowl Question Author, Asheville, NC, 2012
  - Program committee, 2011
  - World Geography Bowl FL Team Co-coach (winning team), Birmingham, AL, 2010
  - Undergraduate Poster Judge, 2010
  - Education Committee Chair, 2009 - 2010
  - Education Committee Member, 2006 - 2010
  - Chair of session on Monsoons and Hurricanes, 2009
  - Discussant of paper at SEDAAG Conference, 2007
  - World Geography Bowl FL Team Coach, Knoxville, TN, 2009
  - World Geography Bowl FL Team Coach (winning team), Greensboro, NC, 2008
  - World Geography Bowl FL Team Coach (winning team), Charleston, SC, 2007
  - World Geography Bowl Judge and Dream Team Question Author, Morgantown, WV, 2006
  - World Geography Bowl Judge, Final Round Question Author and FL Team Coach (winning team), West Palm, FL, 2005
  - Geography Bowl Committee, 2005-present
7. Other divisions of the Association of American Geographers
- Middle States Geography Bowl Moderator and Question Author, Villanova, PA, 2004
  - NESTVAL Geography Bowl Question Author, 2003
  - NESTVAL Geography Bowl Score Keeper, Montreal, Quebec, 2002
8. Florida Society of Geographers
- Planning Committee
  - Undergraduate Poster Judge

## **OTHER PROFESSIONAL SERVICE TO THE DISCIPLINE**

- NSF Grant Reviewer, Geography and Spatial Sciences Program, 2014
- International Journal of Earth and Atmospheric Science, Editorial Board (INVITED), current
- Served as an external examiner for CQUniversity, Australia, 2013
- Served as a reviewer for University of West Florida for Tenure and Promotion case, 2013
- Reviewer for SEDAAG conference papers, 2013
- Reviewer for Florida Institute of Technology for a promotion to Full Professor, 2012
- Quiz question writer for Ahren's Meteorology Today Online, 2012
- Reviewer for Atmosphere-Ocean, 2012
- Reviewer for SEDAAG conference papers, 2011
- Reviewer for Climate Research, 2011
- Reviewer for the Louisiana Sea Grant Program, 2011
- Reviewer for Climate Research, 2010
- Reviewer for the Monthly Weather Review, 2010
- Reviewer for the Natural Hazards, 2010

- Reviewer of a book for the Oxford University Press, McIlveen's Fundamentals of Weather and Climate, 2009
- Reviewer for the Journal of Ecology and the Natural Environment, 2009
- Reviewer for the Alabama Academy of Science Journal, 2008
- Reviewer for The Southeastern Geographer, 2007, 2008
- Reviewer for The Geographical Bulletin, 2008
- Reviewer for The Professional Geographer, 2007, 2008
- Reviewer for The Florida Geographer, 2005
- Reviewer for The Papers of Applied Geography Conferences, 2005
- Participated in discussion online for the Earth Science Literacy Initiative for K-12, 2009
- Mentor/weather specialist for children of the "Global Scientist 2001" and "Global Scientist 2002" program (part of the University of Michigan's "One Sky, Many Voices" project)

### **CONFERENCE/WORKSHOP DEVELOPMENT/LEAD ROLE**

- Association of American Geographers Conference Co-Chair
- Hurricane Evacuation Research Team Training, University of South Florida, 2009-present
- Organizer of the West Central Florida Chapter of the American Meteorological Society's "Teach the Teacher" workshops, monthly presentations and annual meeting, 2007-present
- Organizer of the "Weather and Climate Forecasting Conference". West Central Florida Chapter of the American Meteorological Society/University of South Florida, 2010
- Organizer of the "Careers in Meteorology" Workshop. University of South Florida/West Central Florida Chapter of the American Meteorological Society, 2010
- Florida Society of Geographers, Conference Planning Committee and Undergraduate Poster Judge, 2009-2010
- Organizer and presenter of the Active Learning Swap Shop and Poster Madness sessions sponsored by the Education Committee, Southeastern Division of the Association of American Geographers, 2009
- Organizer and presenter of introductory training session on teaching for new graduate students in the department, 2009
- Panel member on the theme of mentoring undergraduate research, Office of Undergraduate Research, University of South Florida, 2009
- Organizer of the Honors Colleges' NSF funded Hurricane Research Experience for Undergraduates (REU) Program's field trip and seminar series, 2008, 2009, 2010
- Organizer and presenter of the Active Learning Swap Shop sponsored by the Education Committee, Southeastern Division of the Association of American Geographers, 2008
- **(INVITED)**
- Organizer of workshop for international faculty at the Association of American Geographers conference, 2007

### **SERVICE TO THE UNIVERSITY**

- Serve on Council for Faculty Affairs (**ELECTED**, 2014)
- Served as External Chair for the PhD Defense of Tammy Foster, Integrative Biology

- Committee to evaluate university-wide Teaching Assistant teaching portfolios, University of South Florida, 2014
- The Faculty Senate, 2013-present (approved Oct 16, 2013, **ELECTED**)
- Transforming STEM Education Faculty Learning Community (2014-present)
- The State Articulation Coordinating Committee
- Graduate School Recruitment Consortium, University of South Florida, 2011-2013
- Undergraduate Research Advisory Committee, University of South Florida, 2011-2013 (INVITED)
- Assistance and participation in the NSF funded Hurricane Research Experience for Undergraduates (REU) program, University of South Florida, 2006-2012
- Scholarship of Teaching and Learning Faculty Learning Community, 2011-2012
- Committee to evaluate innovative teaching grant proposals (ITG/CTE), University of South Florida, 2008
- Judge at the 6<sup>th</sup> Annual USF Undergraduate Symposium, University of South Florida, 2008
- Committee to evaluate university-wide Teaching Assistant teaching portfolios, University of South Florida, 2006
- Student Life Committee (university level), Bloomsburg University, 2004-2005 (**ELECTED**)
- Department ambassador to the Teaching and Learning Enhancement Center, Bloomsburg University, 2004-2005
- Mentor for the Act 101/EOP program, Bloomsburg University, 2004-2005
- Mentor for the New Faculty program, Bloomsburg University, 2004-2005
- Assisted with the development of Plymouth State University's international exchange program helping them with the paperwork to obtain J1 status

### **SERVICE TO THE COLLEGE**

- College of Arts and Sciences Faculty Council (3-year term **elected**, fall 2013-spring 2016). With reorganization with the merged departments, I stepped down as my new department already had one representative.
- College of Arts and Sciences Faculty Development Committee (2-year term **elected**, fall 2008-spring 2010)
- Chair of Student Grievance Committee, spring 2008
- Member of Student Grievance Committee, summer 2007
- Recruitment and Retention Committee for the College of Science and Technology, Bloomsburg University, 2004-2005

### **SERVICE TO THE DEPARTMENT**

- Served on committee to review faculty evaluations in the School of Geosciences, 2014
- Faculty Advisory Committee Member
- Provosts Post Doc Initiative Reviewer
- Appointed Graduate Director-Coordinator, Environmental Science and Policy Program, Department of Geography, Environment and Planning, University of South Florida, 2010-2013.
- Tharp Fellowship Committee, Department of Geography, Environment and Planning, 2011, 2013

- Student Travel Grant Committee, Environmental Science and Policy Program, Department of Geography, Environment and Planning, 2011-2013
- Reviewer of search for the Provost Initiative Post-Doc Opportunity, 2011, 2013
- Graduate Committee, University of South Florida, fall 2009-present
- Representative of the department at commencement, University of South Florida, 2008-2010
- Job Search Committee (various), University of South Florida, 2005-2009
- Advisor to the Geography Club, University of South Florida, 2006-2009
- Manager of the Weather Lab, University of South Florida, 2005-2012
- Undergraduate Committee, University of South Florida, 2006-2008
- Sabbatical Committee for Geography and Geoscience, Bloomsburg University, 2003-2005
- Forum Committee for Geography and Geoscience, Bloomsburg University, 2003-2005
- Budget Committee for Geography and Geoscience, Bloomsburg University, 2003-2005
- Technology Committee for Geography and Geoscience, Bloomsburg University, 2003-2005
- Curriculum Committee for Geography and Geoscience, Bloomsburg University, 2003-2005
- Co-advisor for the Geology Club, Bloomsburg University, 2003-2005
- Co-advisor for the Science Club, Plymouth State University, 2000-2003

### **OTHER COMMUNITY SERVICE**

- Learning Gate Charter School Board of Directors – the school has an environmental mission.
- Volunteer independent weather observer for Epsy volunteer fire company
- Hurricane awareness outreach, Hillsborough County (2011), Hernando County (2012)

### **WORKSHOP PARTICIPATION/OTHER TRAINING**

- Participated in training for Angel, Canvas, Blackboard and DesireToLearn (D2L) course management systems
- Participated as a student in the class “Teaching Online” offered by USF TO 101
- Walking the Tightrope: The Search for Practical Ways to Advance Women's Careers in Geography, 2014
- Human Subjects Protection Training, Social / Behavioral Investigators and Key Personnel, 2014
- Board training: Sunshine Law, 2014
- Board training: Sunshine Law, Conflict of Interest, Ethics, Financial Responsibility, 2013
- Academic Women Leadership Discussion Panel, University of South Florida, 2012
- Mentoring and Professionalism within the Professoriate, University of South Florida, 2011
- Social / Behavioral Investigators and Key Personnel (5/3/10), and Social and Behavioral Responsible Conduct of Research training (7/5/10).
- Desert Research Institute’s ASCENT workshop, Steamboat Springs, Colorado, 2009
- Latin American Data Workshop, Brazil, 2008
- Advisor 101 workshop, University of South Florida, 2007
- Official Skywarn storm spotter (advanced) certification, 2007
- State University of New York’s Realtime Weather Course, 2005 GPA 4.00
- University of South Florida’s Center for 21<sup>st</sup> Century Teaching Excellence Workshops, 2005-present
- The Geography Faculty Development Alliance (GFDA) New Faculty Workshop, Boulder, Colorado, 19-26 June, 2004

- “Hands on GPS” - workshop covered advances in GPS/GIS technology, Villanova, Pennsylvania, October 2004
- Colloquium participant: Advanced Study Program of the National Center for Atmospheric Research colloquium: "Hurricanes at Landfall", Miami, Florida and Boulder, Colorado, 1998

## MASS MEDIA ENGAGEMENT AND RECOGNITION

- Interviewed for TV news story, “Hurricane Hunter items on display at USF”. [WFLA](#), November 28, 2013.
- Interviewed for a dive fishing show on the Weather Channel, November 18, 2013.
- Interviewed for TV news story, “USF researchers look for ancient hurricane marks”. [WFLA](#), September 24, 2013.
- Interviewed for newspaper article, “Tampa tops tally of cities ripe for hurricane”. [The Tampa Tribune](#), June 5, 2013.
- Interviewed for TV news story, “Did Global Warming Cause Sandy to Hit NYC and NJ?”. [WFLA](#), November 2, 2012.
- Quoted for news story about Hurricane Sandy, “Northeast slogs through flooding, darkness after superstorm”. [St. Louis Post Dispatch](#), October 31, 2012.
- Quoted for news story about Hurricane Sandy, “Sandy’s trail of devastation at least 50 deaths”. [Star-telegram](#), October 31, 2012.
- Interviewed and quoted for news story about Hurricane Sandy, “Sandy wreaks havoc throughout Northeast U.S. [Mcclatchydc](#), October 30, 2012. Also [The State](#), October 31, 2012. Also [The Union Leader](#), October 31, 2012. Also the [Modesto Bee](#), October 31, 2012. Also [Post-Gazette](#), October 31, 2012.
- Interviewed on radio about Hurricane Sandy and expected weather, track, intensity. [At Issue with Ben Merens, Wisconsin Public Radio](#), October 29, 2012.
- Interviewed on TV about Hurricane Sandy and my flight in the P3 Hurricane Hunter plane, “Hurricane hunters fly into the storm for data”. [WFLA](#), October 26, 2012.
- Interviewed for news broadcast, “Hurricane Sandy”. [Weatheration](#), October 27, 2012.
- Interviewed for radio and news story, “USF Professor Hitches a Ride into the Eye of Hurricane Sandy”. [WUSF](#), October 26, 2012.
- Interviewed for newspaper article, “Remembering the Great Storm of 1987”. [Herts and Essex Observer](#), England, October 18<sup>th</sup>, 2012.
- Interviewed on TV about my team’s hurricane warning system, “Project will make storm forecasting more personal”. [WFLA](#), September 4, 2012.
- Interviewed on the radio for the Diane Rehm show, “Preview of the Republican National Convention” [NPR](#), August 27, 2012.
- Wrote blog “Tropical Storm Isaac – update” [On Point](#), USF, August 27, 2012.
- My student Provided blog, “Watch”ing the Tampa Bay Area” [On Point](#), USF, August 25, 2012.
- Wrote blog “Isaac’s Track” [On Point](#), USF, August 24, 2012.
- Wrote blog “Eye on the Storm” [On Point](#), USF, August 24, 2012.
- Wrote blog “Stormy Weather” [On Point](#), USF, August 24, 2012.
- Interviewed and my outreach efforts highlighted in article, “Learning from the Pros” [USF News](#), June 28, 2012.
- Interviewed and my research highlighted in article, “USF Professor Eyes Global Weather to Predict Hurricanes” [83 Degrees](#), June 12, 2012.
- Interviewed and my research and recently acquired weather station highlighted in article, “Updated Weather Station Brings Campus Forecasts Online”, [The Oracle](#), June 11, 2012.

- My research highlighted “USF’s Experts on Hurricanes Available Throughout The Season” in the American Meteorological Society Newsletter “[AMS News You can Use](#)”, [Maddux News Wire](#) and [USF News](#), May 30, 2012.
- My research and weather efforts at USF highlighted on USF web page, “USF Weather Center Launches”. [USF News](#). June 1, 2012.
- My participation with the Hurricane Research Experience for Undergraduate Program highlighted on USF website, “Researching up a Storm”. [USF News](#). June 8, 2012.
- My Ph.D. student’s research highlighted on website, “Ph.D. student to discuss hurricanes and climate research”. [College of Arts and Science](#), November 7, 2011
- My teaching and outreach efforts highlighted on website, “USF to host Weather and Climate Education Workshop for teachers”. [College of Arts and Science](#), September 30, 2011
- Interviewed for Blogistan Polytechnic Institute (BPI), “An Interview with a climate scientist”. [BPI.com](#). Aug. 16, 2011.
- My research highlighted in article, “Storm Chaser”. [USF News](#). June 1, 2011.
- Research (my student - the lead) highlighted in an article, “[Ph.D. student looks at what fuels deadly rip currents](#)”. [College of Arts and Science](#). May. 20, 2011.
- Research (my student - the lead) highlighted in an article, “[Examining What Fuels Deadly Rip Currents](#)”. [USF News](#). May 17 and May 20, 2011 and [USF](#), May 16, 2011.
- My role as coach of the World Geography Bowl Competition and my student who was on the time is noted in article, “SEDAAG Geography Bowl”, [Association of American Geographers newsletter](#), March 2011, 46 (3), (p.7).
- My teaching award highlighted in the “Grants and Awards” section of the [Association of American Geographers newsletter](#), February, 2011, p7.
- My student’s achievements highlighted on website, “USF grad student wins award at Florida Society of Geographers annual meeting”. [College of Arts and Science](#), March 11, 2011
- My research highlighted in article, “[USF Weather Center explores natural disasters](#)”. [Newsletter from the Vice-President of Research and Innovation](#). Volume 3 Edition 3. Dec. 14, 2010.
- Interviewed for Bayside on Global Climate Change. [WLSS AM 930, WTBN AM 570 & 910, WGUL 860 AM](#). Podcast at: [Talkradio860.com](#), [Bayward.com](#) and [WLSSradio.com](#). Dec. 18, 19, 2010.
- My research highlighted in article, “[Hurricane Hunter Collins Makes Landfall at USF](#)”. [USF News](#). Dec. 1, 2010.
- My research highlighted in article, “[USF Weather Center explores natural disasters](#)”. [College of Arts and Science](#). Dec. 1, 2010.
- My research project highlighted in article, “Florida universities get economic development grant”. [The Miami Herald](#) (Miami, FL), Nov 17, 2010.
- My research project highlighted in article, “Florida universities get \$10 million for engineering, health and science”. [The St. Petersburg Times](#) (St. Petersburg, FL), Nov 16, 2010.
- My research project highlighted in article, “New Florida grants announced”. [USF News](#). Nov. 15, 2010.
- Article about the SEDAAG Excellence in teaching award that I received, “Professor wins Southeastern division award”. [USF News](#). Oct. 29, 2010.
- Article about the World Geography Bowl and SEDAAG’s win (coached by me), “SEDAAG wins National World Geography Bowl Competition”, [South-eastern Division of the Association of American Geographers newsletter](#), 2010, 29 (10), (p.4).

- Article about the active learning swap shop at SEDAAG which I organised, “Teaching Corner”, South-eastern Division of the Association of American Geographers newsletter, 2010, 29 (10), (p.5-6).
- Quoted and research highlighted in newspaper article, “USF prepares for hurricane season”. The Oracle (Tampa, FL), Student newspaper of USF, June 3, 2010
- Quoted in newspaper article, “Lull since 2004 hurricanes has officials talking up preparation”. Winterhaven NewsChief (Winterhaven, FL), May 31, 2010
- Student on TV and conference that I organized was highlighted, “Teach the Teacher Conference and Dick Fletcher”. 10Connects (Tampa, FL), March 23, 2010
- Quoted in newspaper article, “Rubio questions climate change”. The Tampa Bay Tribune (Tampa, FL), Feb 13, 2010
- Article about one of my students receiving an award on website, “The Dick Fletcher Memorial Scholarship Fund at USF”. College of Arts and Science, Oct 26, 2009
- One of my students interviewed on TV news, “Remembering Dick Fletcher”. 10Connects (Tampa, FL), Oct 23, 2009
- Two of my students quoted in newspaper article, “2 Students Chronicling Bay Area’s Weather History”. The Tampa Bay Tribune (Tampa, FL), September 7, 2009
- Two of my students interviewed on TV, “Weather Instruments History”. NBC News (Tampa, FL), September 7, 2009
- My research project highlighted on the National Weather Service’s website, “USF Students are preserving NOAA’s heritage”. National Weather Service (Tampa, FL) Top News of the Day, August 14, 2009
- My research project highlighted on the National Weather Service’s website, “NWS Meteorologist participates with USF researchers to quiz motorists on hurricane evacuation plans”. National Weather Service (Tampa, FL) Top News of the Day, July 24, 2009
- My research highlighted in newsletter and on website, “Southwest Florida Warm Season Tornadoes”. Suncoast Weather Observer (Issue 1, vol 13: National Weather Service newsletter), summer 2009
- Article about NSF funded Hurricane Research Experience for Undergraduates (REU) program and my students’ presentations on website, “Undergraduate Research Examines How Precarious Populations Weather Hurricanes”. USF News, July 20, 2009
- Interviewed about evacuation study on TV news, “USF Students Getting the Skinny on Storm Evacuations”. Baynews9, July 3, 2009
- Interviewed about evacuation study on TV news, “No Rest for USF Students at this Stop”. 10Connects (Tampa, FL), July 3, 2009
- Interviewed about evacuation study on TV news, “Are you Ready for a Hurricane Evacuation?”. ABC News (Tampa, FL), July 3, 2009
- Interviewed about evacuation study on TV news, “Hurricane Evacuation”. Fox13 News (Tampa, FL), July 3, 2009
- Interviewed on radio, “Hurricane Preparedness”. WUSF (NPR station for West Central Florida), July 3, 2009
- Quoted and research highlighted on website, “USF Researchers to Quiz Motorists on Hurricane Evacuation Plans”. USF News, June 30, 2009
- Article about my students’ successes on website, “Outlook is Sunny for Future Meteorologists”. USF News, April 16, 2009
- Interviewed about Chief Meteorologist on TV news, “10 Connects Hero: Dick Fletcher Memorial Scholarship”. 10Connects (Tampa, FL), February 26, 2009



- Quoted about weather conditions surrounding the tragic loss of football players in newspaper article, “One Found, Three Still Missing in Search for Boaters”. The Oracle (Tampa, FL), Student newspaper of USF, March 3, 2009
- Quoted in newspaper article, “USF Students Aim High for Science Research and Education”. Temple Terrace Beacon (Tampa, FL), February 3, 2009
- Quoted in newspaper article, “USF Student’s Science Project Aims for the Final Frontier”. The Tampa Bay Tribune (Tampa, FL), January 17, 2009
- Quoted and research highlighted on 2 pages including the cover in newspaper article, “Study Explains 70-car I-4 Pileup”. The Tampa Bay Tribune (Tampa, FL), Jan 9, 2009
- Interviewed on TV news, “Remembering Dick Fletcher”. 10Connects, Feb 26, 2008
- Interviewed on radio, “Hurricane Season 2006”. WWBA 1040AM News Talk Radio, (Tampa, FL), November 28, 2006
- Interviewed on live TV debate show, “Hurricanes and Global Warming”. Cathy Fountain Show (Fox 13), June 6, 2006
- Interviewed on TV about NSF funded Hurricane Research Experience for Undergraduates (REU) program, “One Intense Course”. Bay News 9 (Tampa, FL), May 31, 2006
- Article mentioning my involvement with the NSF funded Hurricane Research Experience for Undergraduates (REU), “USF Offers Students Unique Opportunity to Research Hurricane Impact”. USF News, May 1, 2006
- Quoted and rooftop weather station highlighted in newspaper article, “USF Screens the Weather”. The Oracle (Tampa, FL), Student newspaper of USF, April 12, 2006
- Quoted and interviewed on website, “USF Boasts Revamped Roof-Top Weather Station and Web Site”. USF News, March 31, 2006
- Article on the winning Florida Geography Bowl team which I coached and the Southeastern Division of the Association of American Geographers, “Think Globally”, The Palm Beach Post (Palm Beach, FL), Nov 22, 2005

## **COURSES TAUGHT/SUPERVISED**

### **Graduate**

GEO 6255	Weather, Climate and Society, USF
GEO 6918	Directed Research, USF
GEO 6971	Thesis, Masters, USF
GEO 6908	Independent Study, USF
EVR 6908	Independent Study, USF
GEO 6944	Internship in Geography, USF
GEO 7980	Doctoral Dissertation Research, USF

### **Undergraduate**

<b>Upper-Level:</b>	MET 4012C	Meteorology (previously 4010C), USF
	MET 4002	Climatology, USF
	EVR 4910	Weather Studies (online)
	IDH 4930	Hurricane Research Methods Seminar (Symposium coordinator and fieldtrip organizer), USF
	IDH 4910	Honors Directed Research, USF
	GEO 4910	Individual Research, USF
	EVR 4905	Independent Study, USF

GEO 4244 Tropical Meteorology, USF (supervised)  
 41.460 Geographical Information Systems, Bloomsburg University  
 MT 4330 Current Weather Seminar, Plymouth State University

**Lower Level:** GEO 2200 Introduction to Physical Geography (previously GEO 3013), USF  
 GEO 2371 Introduction to Earth Systems Science (online (summer 2010 and 2011) as well as classroom sections previously), USF  
 GEO 1930 Geography of Current Events, USF  
 41.125 Weather and Climate, Bloomsburg University  
 51.255 Meteorology, Bloomsburg University  
 MT 2800 Climatology, Plymouth State University  
 MT 1000 Weather, Plymouth State University  
 MT 1000L Weather Lab, Plymouth State University

**TEACHING EVALUATIONS:** results of student evaluations of teaching

Note: All teaching evaluations from USF are on a scale of 1 to 5 with 5 being the best possible score. My average score for both undergraduate and graduate teaching from fall 2005-spring 2010 is **4.51**.

Year	Undergraduate classes	Graduate class
2010	4.78	na
2009	4.38	4.75
2008	4.52	4.40
2007	4.64	5.00
2006	4.41	3.90
2005	4.31	na

My average score for each class taught from fall 2005-spring 2010 is given below. Note that the score represents the average scores of eight questions given to the students where they were evaluating my (1) description of course objectives (2) communication of ideas (3) expression of expectations (4) availability to assist the students out of class (5) respect for students (6) simulation of interest (7) facilitation of learning (8) overall rating of instructor.

Class name	Class number	Semester taught	Score (1-5)
Weather, Climate and Society	GEO 6255	fall 2009	4.75
Weather, Climate and Society	GEO 6255	fall 2008	4.40
Weather, Climate and Society	GEO 6255	fall 2007	5.00
Weather, Climate and Society	GEO 6255	fall 2006	3.90
Meteorology	MET 4012C	spring 2010	4.78
Meteorology	MET 4010C	spring 2009	4.65
Meteorology	MET 4010C	fall 2007	4.74

Meteorology	MET 4010C	summer 2006	4.35
Meteorology	MET 4010C	fall 2006	4.58
Meteorology	MET 4010C	fall 2005	4.31
Climatology	MET 4002C	fall 2009	3.85
Climatology	MET 4002C	spring 2008	4.70
Climatology	MET 4002C	spring 2007	4.91
Climatology	MET 4002C	spring 2006	4.40
Geography of Current Events	GEO 1930	spring 2008	4.65
Introductions to Physical Geography	GEO 2200	spring 2009	4.37
Introductions to Physical Geography	GEO 2200	summer 2009	4.77
Introductions to Physical Geography	GEO 2200	fall 2008	4.31
Introductions to Physical Geography	GEO 2200	spring 2007	4.37
Introductions to Physical Geography	GEO 3013	spring 2006	4.81
Introduction to Earth Systems Science	GEO 1920	summer 2008	4.40
Introduction to Earth Systems Science	GEO 1920	summer 2007	4.53

## GRADUATE STUDENTS

### PHD STUDENTS - GRADUATED

#### 1) JoAnn Sullivan

My role: PhD Major Advisor

**JoAnn graduated** (summer, 2010). Dissertation title: “Characterization of an Urban Heat Island (UHI) in the Tampa, Florida Region”. She was awarded the AMS Bert Wappler Award, 2007 and the AMS Dewey Stowers Award, 2008. She has also been awarded two awards from the Fred L. and Helen M. Tharp Endowed Scholarship Fund. JoAnn has published two peer-reviewed papers while at USF and under my supervision. She currently has a faculty position at Hobart and William Smith Colleges, NY.

#### 2) Charles Paxton

My role: PhD Major Advisor/ Professor, graduated spring 2014

Charles is working towards his PhD on the topic of rip currents (having published a book chapter during his PhD) while working as Science Operations Officer at the NWS. He was admitted into the program in fall, 2009. He received 1<sup>st</sup> place for the Graduate Student Paper of the Florida Society of Geographers’ Conference 2010 and received a travel award from the Southeastern Division of the Association of American Geographers, 2009. He has presented at several geography and meteorological conferences while being my student and he has co-authored two peer-reviewed papers with me. Charles successfully defended 4/3/2014

### PHD STUDENTS - CURRENT

#### 3) David Roache

My role: PhD Major Advisor/ Professor

David is working towards his PhD on the topic of the variability of hurricane activity relating this to large scale climate factors. His status is ABD. He has presented at several geography conferences while being my student. He received two Association of American Geographers Climate Specialty Group Student Paper Awards, 2010 and 2011, 1<sup>st</sup> place for the Graduate Student Paper of the Florida Society of Geographers' Conference 2011 and was the West Central Florida Chapter of the AMS Dewey Stowers Award recipient, 2011. He also received a Fred L. and Helen M. Tharp Endowed Scholarship Fund Award, 2010. He has co-authored two peer-reviewed papers with me. David's status is ABD.

4) Bryan Booth

My role: PhD Co-Major Advisor/Professor

Bryan is working towards his PhD on the topic of the numerical modeling of the speleogenesis and morphogenesis of phreatic conduits in the autogenic karst of Florida. Bryan's status is ABD.

5) Kamal Kumar Saha

My role: PhD Committee Member

I was invited by Dr. Saleh Wasimi, Head of Program, Mathematics and Statistics, CQ University, Australia to co-advise a PhD student. Kamal is working towards his PhD on the topic of the statistical properties of tropical cyclones in Australia.

6) John Freeman

My role: PhD Committee Member – ABD (2012)

7) Erick Ananga

My role: PhD Committee Member

8) Michael Rimoldi

My role: PhD Committee Member. Michael is in the GIA Department.

9) Stephanie Powers

My role: Committee Member

Stephanie is completing her thesis on technology used in habitat restoration monitoring

10) Nicole Hutton

My role: Committee Member

Nicole is completing her dissertation on third sector organizations and their role in disaster recovery.

## **MASTERS STUDENTS – GRADUATED**

11) Erin Floto

My role: Masters Major Advisor/Professor, graduated summer 2014

Erin graduated in summer 2014 with her thesis titled, "An Evaluation of Florida Gulf Coast University's Residence Life Staff Member's Hurricane Preparedness"

12) Matt Stanley

My role: Masters Major Advisor/Professor, graduated spring 2014  
Matt examined hail in Florida.

13) Lindsay Rice

My role: Major Advisor/Professor, graduated spring 2014  
Lindsay thesis research topic was Hurricane Sandy.  
Lindsay is the West Central Florida Chapter of the AMS Dewey Stowers Award recipient, 2014

14) Kelsey Roberts

My role: Masters Major Advisor/Professor, graduated fall 2013  
Kelsey successfully defended her thesis in fall 2013 examining the atmospheric conditions associated with cold-stun events of green sea turtles.

15) Justin Hartnett, MS

My role: Masters Major Advisor/Professor, graduated spring 2013  
Justin successfully defended his thesis in spring 2013 examining lake-effect snowfall.  
Justin is the West Central Florida Chapter of the AMS Dewey Stowers Award recipient, 2012. Justin has accepted a funded GA position at Syracuse University.

16) Ashley Weatherall, MS

My role: Masters Major Advisor, graduated spring, 2013  
Ashley successfully defended her thesis in spring 2013 examining university hurricane preparedness. Ashley currently works with the USGS.

17) Jaime Auletta, MA

My role: Masters Co-Major Advisor/Professor, graduated summer 2012  
Jaime's thesis was titled, "Disaster Vulnerability of University Student Populations".  
Jaime currently works at the Alaskan Sealife Center.

18) Cristina Mazza, MS

My role: Masters Major Advisor/ Professor, graduated fall 2011  
Cristina examined severe weather in Pinellas County. Cristina was elected into the position of Secretary for the West Central Florida Chapter of the American Meteorological Society (WCFLAMS), 2010. Cristina was recognized by the National Weather Association with an award for her presentation at the annual meeting in Tuscon, AZ (2010). Cristina received USF's 2012 Outstanding Thesis Award. She currently works as an Environmental Scientist at KB Environmental Sciences.

19) Andrew Brownell

My role: Committee Member, graduated fall 2013  
Andrew completed his thesis in fall 2013 on Tropical Storm Debby induced morphological changes on John's Pass and Blind Pass ebb tidal deltas and adjacent shoreline

20) Christian Ercolani from FGCU

My role: Committee Member, graduated spring 2014  
Christian is completing his thesis on paleoclimatology

- 21) Jessica Bullock  
My role: Masters Committee Member – non-thesis, graduated 2013
- 22) Sara Giunta Gonzalez  
My role: Masters Committee Member - non-thesis, graduated 2013  
Sara now works for the Florida Department of Environmental Protection as an Environmental Specialist II.
- 23) Gary Licquia  
My role: Masters Committee Member - non-thesis, graduated 2013  
Gary will be starting an MBA at Georgia State University in the fall. He plans to study corporate social responsibility and corporate adaptation to climate change.
- 24) Dustin Hinkel  
My role: Masters Committee Chair - non-thesis, graduated 2009  
Dustin published a paper with me and now holds the position of the Director of the Department of Emergency Management, Taylor County Board of County Commissioners (FL).
- 25) Ryan Rankin  
My role: Masters Committee Member - non-thesis, graduated 2008  
Ryan is currently a US Navy pilot and is currently on the USS Nimitz Aircraft Carrier.
- 26) Michael Ryan  
My role: Masters Committee Member - thesis, graduated 2008.  
Michael is currently completing his PhD.

#### **MASTERS STUDENTS - CURRENT**

- 27) Cameron Gauthier  
My role: Major Advisor/Professor  
Cameron is researching hurricane active seasons
- 28) Heather Key  
My role: Major Advisor/Professor  
Heather has received some funding from the NOAA PAIG grant I recently received.
- 29) Randall Hergert  
My role: Major Advisor/Professor  
Randall has receive some funding from the NOAA PAIG grant I recently received.  
He has begun working on his thesis on the topic of rapid intensification of hurricanes.  
Randall is the West Central Florida Chapter of the AMS Dewey Stowers Award co-recipient, 2014
- 30) Christina Makris  
My role: Major Advisor/Professor  
Christina will start research on hurricane landfalls

## UNDERGRADUATE STUDENTS (select)

### 1) Alicia Williams

My role: Advisor of Undergraduate Research, USF

Alicia is a co-author on two of my peer-reviewed papers, "Florida Super Fog - Carnage on Interstate 4" and "South-West Florida Warm Season Tornadoes". Alicia is the AMS Dewey Stowers Award recipient, 2009. She is also the Dick Fletcher Award recipient. She was elected Secretary (2009-2010) for the West Central Florida Chapter of the American Meteorology Society (WCFLAMS). She presented at the Southeastern Division of the Association of American Geographers (SEDAAG) conference (2008), AMS conference (2009), WCFLAMS (2009) and Applied Geography Conference (2009). Alicia is just beginning her Masters program at Louisiana State University.

### 2) Kortnie Pugh

My role: Advisor of Undergraduate Research, USF

Kortnie was involved in research on the topic of Climate Change in South America. She was offered a NWS *Student Career Experience Program* (SCEP) position. She presented at the American Geophysical Union (AGU) conference (2008) and AMS conference (2010). She was the AMS Dewey Stowers Award recipient, 2010. Kortnie was interviewed on WeatherNation regarding the 2012 hurricane season.

### 3) Shaza Hussein

My role: Advisor of Undergraduate Research, USF

Shaza was involved in research on the topic of hurricane evacuation. Shaza received USF's First Udall Scholarship, 2012. I wrote a supporting letter in 2011 and served on USF's Scholarship Committee to provide students with a practice interview. She has also received the Boren Scholarship.

### 4) Katherine Webb

My role: Professor and advisor of Geography Club (in which Katherine was an officer), USF

Katherine is currently pursuing her Masters at the Climate Change institute at the University of Maine.

### 5) Haili Vinson

My role: Professor, USF

Haili received the AMS Dewey Stowers Award, 2007.

### 6) Joseph Phillips

My role: Hurricane Research Experience for Undergraduate Students' Mentor and Advisor, USF

Joe received a student award from the USF Undergraduate Symposium - 2<sup>nd</sup> place. The title of his undergraduate research paper was "Trends in Tropical Cyclone Numbers and Causes of their Interannual Variability", 2007.

### 7) Dustin Hinkel

My role: Major Advisor of Undergraduate Honors Research, USF  
The title of Dustin's Undergraduate Honors Project was "Hurricane Vulnerable Populations in Ybor City". As an undergraduate, he presented at the Southeastern Division of the Association of American Geographers (SEDAAG) conference, 2007. Dustin continued at USF to complete his Masters (see above).

8) Tabitha Bray

My role: Professor and advisor/mentor, Plymouth State University  
After doing an internship at the Mt. Washington Observatory (NH) and interning at the NWS, Tabitha now works for the NWS in Arkansas.

9) Kristin Michaud

My role: Professor and advisor/mentor, Plymouth State University  
After being inspired from my general education class to continue with a Geography degree, Kristin completed her Graduate work at the University of Massachusetts and currently works at the Census Bureau in Washington DC.

## **OTHER**

- I went on the hurricane hunter mission on a P-3 through Tropical Storm Kyle in 2008 as well as Hurricane Sandy in 2012.
  - Deployed dropsondes to gather atmospheric data