

JENNIFER COLLINS PhD

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EDUCATION

- 2001** Ph. D. in Physics, Department of Space and Climate Physics
(Mullard Space Science Laboratory), University College London (UK)
- 1997** BSc Honours degree in Physical Geography with Environmental Science
University of Lancaster (UK)

PROFESSIONAL ACADEMIC EMPLOYMENT

- Present** 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 College, NH
- Spring 2000** Assistant Professor of Meteorology
Plymouth State College, NH
- 1999 - 2001** Lecturer in the section on hurricanes for the 2nd year undergraduate Meteorology course
University College London
- 1998 – 2001** Teacher for 'Environmental issues and weather related hazards' class for 17 – 18 year old students
Hurtwood House School - Surrey
- 1998 – 2001** Assistant – experiment room operator, computer back-up assistant, grader for 2nd year undergraduate course 'Atmosphere, Weather and Climate'
Mullard Space Science Laboratory – University College London

REFEREED PUBLICATIONS

- **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. *Journal of the New England and St. Lawrence Valley*, 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.

PUBLICATIONS ACCEPTED FOR PUBLICATION

- **Collins, J.M.**, 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*. Submitted 2006 and accepted. To be published in a special symposium edition.
- **Collins, J.M.**, Cool Season Heavy Rainfall Events over West Central Florida. Expected to be published in the February 2008 issue of the Bulletin of the American Meteorological Society (Chapter Channel section).

PUBLICATIONS SUBMITTED FOR PUBLICATION

- Hinkel, D.M and **J.M. Collins**, Putting the Method to Practice: A Case Study in Identifying Vulnerable Populations in the City of Tampa, Florida. Submitted to the Annals of the Association of American Geographers, January, 2008.

NON-REFEREED PUBLICATIONS

- **Collins, J.M.**, 2006: UK article, England, Great Britain, United Kingdom – what’s the difference? AAG Newsletter. PP.18.
- Ryan, S. and **J.M. Collins**, 2005: Travel experiences as part of the post secondary curriculum at rural post secondary institutions. 36th Travel and Tourism Research Association (U.S.). Conference. New Orleans, La. Editors R. Neil Moisey, Nancy G. McGehee.
- **Collins, J.M.**, 2004: Who Wants to be a Millionaire? An Educational Game for Learning Enhancement. TALE’s innovative teaching ideas, Bloomsburg University (REFEREED INTERNALLY). PP. 2-4.
- **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, CA. PP. 146-147.
- **Collins, J.M.**, 2000: Local environmental conditions related to seasonal hurricane activity in the NE Pacific basin. 24th Conference on Hurricanes and Tropical Meteorology. Fort Lauderdale, FL. PP. 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. 23rd Conference on Hurricanes and Tropical Meteorology. Dallas, TX. PP. 276-277.

PAPERS PRESENTED – ACADEMIC MEETINGS

- **Collins, J.M.**, and D. Hinkel, 2007: Hurricane vulnerability of people in Ybor City, Tampa (FL). South East Division Association of American Geographers (SEDAAG). Charleston, SC.
- **Collins, J.M.**, 2007: The relationship of ENSO and relative humidity on interannual variations of hurricane numbers in the North-East Pacific Ocean. Applied Geography Conference, Indianapolis, IN.
- **Collins, J.M.**, D. Hinkel and N. Yavneh, 2006: HURRICANE REU: experiential learning for undergraduate students. South East Division Association of American Geographers (SEDAAG). Morgantown, WV.
- Raulerson, A. and **J.M. Collins**, 2006: Meteorological Concepts Explained Through A Flight Fieldtrip Experience. Florida Geographic Society, St. Petersburg, FL
- **Collins, J.M.**, 2005: Coming to America: A case study depicting challenges facing faculty coming to United States Universities and assessing opportunities for new academics. Denver, CO.
- **Collins, J.M.**, 2004: Travel experiences as part of the post secondary curriculum. AAG Middle States Division. Villanova, PA.
- **Collins, J.M.** and S. Ryan, 2004: Travel experiences as part of the post secondary curriculum at rural post secondary institutions. Pennsylvania Geographical Society. New Cumberland, PA.
- S. Ryan and **J.M. Collins**, 2004: “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.
- **Collins, J.M.** 2003: Why are there few hurricanes in one year when there may be many hurricanes in another year? Pennsylvania Geographical Society. Erie, PA.
- **Collins, J.M.**, and I.M. Mason, 2003: Seasonal environmental conditions related to hurricane activity in the Northeast Pacific basin. New Orleans, LA.
- **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, CA.
- **Collins, J.M.**, 2000: Local environmental conditions related to seasonal hurricane activity in the NE Pacific basin. 24th Conference on Hurricanes and Tropical Meteorology. Fort Lauderdale, FL. PP
- **Collins, J.M.**, M.A. Saunders and J.A.G. Mansley, 1998: Environmental conditions affecting seasonal hurricane activity in the Northeast Pacific 1972-1997. 23rd Conference on Hurricanes and Tropical Meteorology. Dallas, TX.

PAPERS, MAJOR SPEECHES PRESENTED – OTHER

- **Collins, J.M.** September 8th, 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, USF (**INVITED**).
- **Collins, J.M.** March 28th, 2006: The SHEAR magnitude of the 2005 season. What does 2006 hold in store for us? American Meteorology Society (**INVITED**).
- **Collins, J.M.** 2006: The SHEAR magnitude of the 2005 season. What does 2006 hold in store for us? USF Hurricane REU seminar series.
- **Collins, J.M.** September 6th, 2006: Hurricanes. Environmental Research Interdisciplinary Colloquium (ERIC), USF.
- **Collins, J.M.** and A. Raulerson, 2006: Who Wants to be a Meteorologist or a Businessperson or ??? An Educational Game for Learning Enhancement. USF Symposium.
- **Collins, J.M.** 2001: Hurricanes. Society for Scholarly Dialogue. Plymouth State University.

OTHER CONFERENCES ATTENDED

- Math Awareness Conference - St. Petersburg, FL (2006)
- 1st International Conference on Climate and Philosophy, USF, FL (2006)
- 60th SEDAAG – West Palm, FL (2005)
- New England Storms Conference – Saratoga, New York (2000)
- Hurricanes at Landfall Conference – Birmingham (1999)
- Dealing with Natural Disasters Conference – London (1999)
- Global Warming Conference – Hong Kong (1998)
- 100th The Physics of Climate Conference – London (1997)

GRANTS AND AWARDS RECEIVED

PI: J.M. Collins

Title: Dr. Kiran C. Patel Center for Global Solutions Travel Award

Agency: University of South Florida.

Project date: April, 2008

Amount Funded: \$1000

PI: J.M. Collins

Title: General Education Council teaching award for recertifying a general education course

Agency: University of South Florida.

Project date: Jan, 2007

Amount Funded: \$750

PI: J.M. Collins

Title: CTE Innovative Teaching Opportunities (iTOPP) Grant for teaching the structure of hurricanes and tornadoes through state of the art 3D radar analysis

Agency: University of South Florida.

Project date: Fall, 2007

Amount Funded: \$2000

PI: J.M. Collins

Title: Office of Undergraduate Research Travel Award

Agency: University of South Florida.

Project date: Fall, 2007

Amount Funded: \$500

PI: J.M. Collins

Title: Enrichment Award towards sessions for international faculty at San Francisco AAG, 2007.

Agency: Association of American Geographers (AAG)

Project date: April, 2007

Amount Funded: \$500

PI: J.M. Collins

Title: CAS Faculty Research and Development Grant: Meteorological understanding gained through “hands on” experiments

Agency: University of South Florida

Project dates: Spring, 2006

Amount Funded: \$980

PI: J.M. Collins

Title: CTE Innovative Teaching Opportunities (iTOPP) Grant to develop hands-on weather labs and purchase meteorological equipment to allow active learning and participation from the students.

Agency: University of South Florida.

Project dates, Fall, 2005

Amount Funded: \$8,838

PI: J.M. Collins

Title: CTE Innovative Teaching Opportunities (iTOPP) Grant for equipment for hands-on weather experiments

Agency: University of South Florida

Project dates: Fall, 2005

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, April, 2005

Amount Funded: \$250

PI: J.M. Collins

Title: PT3 Catalyst Grant Stipend to develop rubric for a course which would incorporate technology.

Agency: Pennsylvania State System of Higher Education, Pennsylvania Academy for the Profession of Teaching and Learning.

Project Dates: Spring, 2004

Amount Funded: \$3,600

PI: J.M. Collins

Title: PhD, Department of Climate Physics, UCL.

Agency: Natural Environment Research Council.

Project Dates: 1997-2000

Amount Funded: \$32,000

GRANTS AND AWARDS (Submitted and Pending)

PI: J.M. Collins

Title: Meteorological activities designed for Greater Tampa Bay area educators

Agency: Environmental Protection Agency

Projected Dates: Summer, 2008-Fall, 2009

Amount to be funded: \$86,446

PI: J.M. Collins

Title: Meteorological conditions surrounding two Florida tornadoes and implications for future forecasting

Agency: UCAR, COMET

Projected Dates: Spring, 2008

Amount to be Funded: \$4,847

GRANTS AND AWARDS (Submitted – not awarded)

PI: J.M. Collins

Title: Weather activities designed for Greater Tampa Bay area educators.

Agency: National Weather Service.

Projected Dates: Summer, 2006-April, 2007

Amount to be Funded: \$9,156

OTHER PROFESSIONAL AWARDS

Certificate of Recognition for outstanding woman: Bloomsburg University in spring, 2004.

CURRENT MEMBERSHIP OF PROFESSIONAL ORGANIZATIONS

- Association of American Geographers (AAG)
- American Meteorological Society (AMS)
- West-Central Florida Chapter of the AMS
- Florida Society of Geographers (FSG)
- South-East Division of the Association of American Geographers (SEDAAG)
- National Council for Geographic Education (NCGE)

SERVICE TO THE ASSOCIATION OF AMERICAN GEOGRAPHERS (AAG)

- Education Committee, South East Division Association of American Geographers (SEDAAG), 2007.
- 2007 World Geography Bowl FL team coach (winning team), Charleston, SC

- Education Committee, South East Division Association of American Geographers (SEDAAG), 2006.
- Geography Bowl Committee, AAG, 2003-present.
- Geography Bowl Committee, South East Division Association of American Geographers (SEDAAG), 2005-present.
- Session/workshop organizer and leader: AAG, 2007 for international faculty
- 2006 World Geography Bowl Judge and Dream Team Question Author, Morgantown, WV
- 2006 World Geography Bowl Judge and Final Round Question Author, Chicago, IL
- 2005 World Geography Bowl Judge, Final Round Question Author and FL team coach (winning team), West Palm, FL
- 2005 World Geography Bowl Moderator and Question Author, Denver, CO
- 2004 World Geography Bowl Moderator and Question Author, Philadelphia, PA
- 2004 NESTVAL Geography Bowl Question Author
- 2004 Middle States Geography Bowl Moderator and Question Author, Villanova, PA
- 2003 World Geography Bowl Moderator and Question Author, New Orleans, LA
- 2002 NESTVAL Geography Bowl Score Keeper, Montreal, Quebec.

SERVICE TO THE UNIVERSITY

- Assistance and participation in the Honors REU program, University of South Florida, 2007.
- Committee to evaluate university-wide TA teaching portfolios, University of South Florida.
- Assistance and participation in the Honors REU program, University of South Florida, 2006.
- Student Life committee, 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.

SERVICE TO THE COLLEGE

- Chair 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

- Job Search committee member, University of South Florida, 2007-2008.
- Undergraduate Committee, 2006-present.
- Advisor to the Geography Club, 2006-present.
- Manager of the Weather Lab, 2005-present.
- Job Search committee member, University of South Florida, 2005-2006.
- 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 PROFESSIONAL SERVICE

- Reviewer for The Professional Geographer, 2007
- Corresponding Secretary, West-Central Florida Chapter of the AMS, 2007
- AMS Bert Wappler Scholarship Selection Committee, 2006-Present
- AMS Dewey Stower's Award Selection Committee, 2005-Present
- Reviewer for The Florida Geographer, 2005
- Reviewer for The Papers of Applied Geography, 2005
- Great American Teach-in Presentation, Pride Elementary School, November, 2005
- 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.

PROFESSIONAL DEVELOPMENT ACTIVITIES

- Colloquium participant: sponsored by the National Center for Atmospheric Research and the National Hurricane Center, 1998.
- Workshop participation: The Geography Faculty Development Alliance (GFDA) New Faculty Workshop, 19-26 June, 2004.
- Workshop participation: Hands on GPS – workshop covered advances in GPS/GIS technology

COURSES TAUGHT

Graduate

Weather, Climate and Society, USF

Undergraduate

Upper-Level:

Meteorology, USF

Climatology, USF

Individual Research, USF

Lower Level:

Introduction to Physical Geography, USF

Introduction to Earth Systems Science, USF

Geography of Current Events, USF

Weather, Bloomsburg University

Meteorology, Bloomsburg University

GIS, Bloomsburg University

Climatology, Plymouth State University

Weather, Plymouth State University

Weather Lab, Plymouth State University

GRADUATE STUDENTS

JoAnn Sullivan (current) working towards her PhD (ABD) on the topic of the effects of the urban heat island in Tampa.

Awarded the AMS Bert Wappler Award.

Dustin Hinkel (current) working towards his Masters on the topic of hurricane vulnerability in Tampa.

Andrew Fairbanks (current) working towards his Masters.