

# Angela Fritz

## Home:

717 Argonne Ave NE #3  
Atlanta, GA 30308  
(440) 477-6825

## Work:

School of Earth and Atmospheric Science  
311 Ferst Dr.  
Atlanta, GA 30332

## EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY                      Fall 2006 – Summer 2009                      Atlanta, GA

- M.S. Earth and Atmospheric Sciences
- Concentration: Tropical cyclones, climate dynamics
- Advisor: Dr. Judith A. Curry

VALPARAISO UNIVERSITY                                      Fall 2002 – Spring 2006                      Valparaiso, IN

- B.S. Meteorology
- Minor: Math
- Member: Chi Epsilon Pi, Meteorology Honors Society

## PROFESSIONAL & LEADERSHIP EXPERIENCE

GEORGIA INSTITUTE OF TECHNOLOGY

Member, Community Emergency Response Team  
Forecasting Consultant, Georgia Tech Athletics Department

Fall 2009 – Present  
Spring 2008 – Present

GEORGIA INSTITUTE OF TECHNOLOGY – STUDENT OPPORTUNITIES

Research Assistant in Dynamics, Thermodynamics, Tropical Cyclones

Graduate Teaching Assistant

- EAS 4655, Atmospheric Dynamics; Dr. Rong Fu                      Fall 2006
- EAS 2803, Energy, the Environment, and Society; Dr. Kim Cobb                      Spring 2007
- EAS 4655, Atmospheric Dynamics with Dr. Peter Webster                      Fall 2007
- EAS 2803, Energy, the Environment, and Society; Dr. Kim Cobb                      Spring 2008
- EAS 4801, Atmospheric Dynamics Practicum, *Lead Instructor*                      Fall 2008
- EAS 6140, Thermodynamics of the Atm. & Oceans; Dr. Judith Curry                      Spring 2009
- EAS 4801, Atmospheric Dynamics Practicum, *Lead Instructor*                      Fall 2009

VALPARAISO UNIVERSITY

Director of Promotions, WVUR-FM

2004-2006

CLIMATE FORECAST APPLICATIONS NETWORK (CFAN)

Forecaster

2008 Hurricane Season

- Subseasonal Hurricane Forecasts in the Gulf of Mexico

Lead Forecaster

2009 Hurricane Season

- Subseasonal Hurricane Forecasts in the Gulf of Mexico
- Monthly Hurricane Forecasts in the Gulf of Mexico
- Hurricane track and intensity prediction model (lead on research and development)

## REFEREED PUBLICATIONS

Lakshmanan, V., A. Fritz, T. Smith, K. Hondl, and G. J. Stumpf, 2007a: An Automated Technique to Quality Control Radar Reflectivity Data, *J. Applied Meteorology and Climatology*, **46**, 288–305.

## CONFERENCE PRESENTATIONS

- 18<sup>th</sup> Conference on Applied Climatology January 2010  
90<sup>th</sup> Annual AMS Conference – Atlanta, GA  
*The misuse and misrepresentation of the ACE and PDI indices for hurricane energetics*
- 5<sup>th</sup> Annual Graduate Student Symposium, Georgia Tech March 2009  
*The impact of tropical cyclone size on North Atlantic ACE and PDI*
- 21<sup>st</sup> Conference on Climate Variability and Change January 2009  
89<sup>th</sup> Annual AMS Conference – Phoenix, AZ  
*The impact of tropical cyclone size on North Atlantic ACE and PDI (P4.6)*
- Tropical Cyclone-Climate Interactions Past, Present, and Future December 2008  
2008 AGU Fall Meeting – San Francisco, CA  
*The impact of tropical cyclone size on North Atlantic ACE and PDI (U11A-0005)*
- 22<sup>nd</sup> International Conference on Interactive Information Processing January 2006  
Systems for Meteorology, Oceanography, and Hydrology  
86<sup>th</sup> Annual AMS Conference – Atlanta, GA  
*A Validation of Radar Reflectivity Quality Control Methods*

## PROFESSIONAL MEMBERSHIPS

- Member, Chi Epsilon Pi Honors Society 2006 – Present  
American Meteorological Society (AMS) 2006 – Present  
American Geophysical Union (AGU) 2008 – Present

## CONFERENCES & WORKSHOPS ATTENDED

- AMS Conference on the Inland Impacts of Tropical Cyclones (IITC) 2009  
89<sup>th</sup> Annual AMS Conference – Phoenix, AZ 2009  
2008 AGU Fall Meeting – San Francisco, CA 2008  
87<sup>th</sup> Annual AMS Conference – New Orleans, LA 2008  
86<sup>th</sup> Annual AMS Conference – San Antonio, TX 2007  
85<sup>th</sup> Annual AMS Conference – Atlanta, GA 2006  
4<sup>th</sup> Annual Great Lakes Meteorology Conference – Valparaiso, IN 2006  
3<sup>rd</sup> Annual Great Lakes Meteorology Conference – Valparaiso, IN 2005  
2<sup>nd</sup> Annual Great Lakes Meteorology Conference – Valparaiso, IN 2004  
8<sup>th</sup> Annual Severe Storms & Doppler Radar Conference – Des Moines, IA 2004  
1<sup>st</sup> Annual Great Lakes Meteorology Conference – Valparaiso, IN 2003

## **INTERNSHIPS**

National Weather Center Research Experience for Undergraduates (REU)

2005

- National Severe Storms Laboratory, Norman, OK
- Advisor: V. Lakshmanan, T. Smith
- Paper: *A Validation of Radar Reflectivity Quality Control Methods*