

## Atlanta AMS/NWA Conference on the Inland Impacts of Tropical Cyclones

Tuesday, June 9, 2009 (Hotel Lobby)

4-6p Conference Registration

### Wednesday, June 10, 2009 (8th Floor, Roswell Room)

7:30a Registration Opens

*Session Chair: Randy Skov, CWSU Atlanta*

8:00a Trisha Palmer Opening Remarks and Welcome  
2008-2009 Atlanta AMS/NWA Past President

8:10a **Dr. Steve Lyons** **Invited Speaker - Primary Meteorological Aspects of Hurricanes Controlling Coastal & Inland Impacts**  
The Weather Channel

8:45a Michael Kruk Toward a U.S. Climatology of Coastal and Inland Tropical Cyclone Winds  
STG, Inc.

9:10a Dr. Thomas Schmidlin Fatalities from wind-related tree failures during tropical cyclones in the U.S., 1995-2007  
Kent State University

9:35a Eric Carpenter Killer Trees: An Investigation of Tree-Related Fatalities due to High Winds associated with Tropical Cyclones since 1995  
WFO Jackson

10:00a **BREAK**

*Session Chair: Brandon Miller, CNN*

10:15a Jessica Schultz Hurricane Ike in North Texas: Challenges at an Inland Weather Forecast Office  
WFO Fort Worth/Dallas

10:40a Lance Pyle A Comparison of the Inland Effects of Hurricanes Gustav and Ike across Arkansas  
WFO Little Rock

11:05a Pat Spoden Wind Damage in the Lower Ohio Valley from the Remnants of Hurricane Ike  
WFO Paducah

11:30a Dr. Thomas Schmidlin Impacts of the 2008 Hurricane Ike windstorm in Ohio  
Kent State University

11:55a **LUNCH** *on your own*

*Session Chair: Lans Rothfusz, WFO Atlanta*

1:00p **Dr. Michael Brennan** **Invited Presentation - NHC's Tropical Cyclone Wind Speed Probability Products: Helping Users Make Decisions during Inland Tropical Cyclone Wind Events**  
National Hurricane Center

1:35p Dan Gregoria Employing Probabilities to Convey Forecast Uncertainty and Potential Impact through NWS Field Office Forecast Products  
WFO Miami

2:00p Scott Goodrick Assessing hurricane risk for southern forests  
US Forest Service

2:25p Jason Senkbeil Coastal and Inland Perception of Meteorological Threats from Hurricane Gustav  
University of Alabama

2:50p **BREAK**

*Session Chair: Rob Black, Georgia Institute of Technology*

3:05p Robert Beasley The Effects of Hurricane Frances on North and Central Georgia: Part I - Impacts  
WFO Atlanta

3:30p Sean Ryan The Effects of Hurricane Frances on North and Central Georgia: Part II - Meteorological Analysis  
WFO Atlanta

3:55p Matthew Eastin Surface Observations of Landfalling Rainbands in Tropical Storm Hanna (2008)  
UNC Charlotte

4:20p Patrick Burke Tropical Storm Erin Re-intensifies over Oklahoma  
WFO Norman

4:45p Mike Jamski A Comparison of the Inland Impacts of Tropical Storm Fay (2008) and Hurricane Dora (1964)  
WFO Tallahassee

## Thursday, June 11, 2009 (8th Floor, Roswell Room)

7:45a Registration Opens

*Session Chair: Joshua Palmer, SERFC*

8:00a	<b>David Roth</b> HPC	<b>Invited Presentation - About CLIQR: A climatological aide to tropical cyclone rainfall forecasting</b>
8:35a	Dr. J. Marshall Shepherd University of Georgia	Quantifying the contribution of tropical cyclones to extreme rainfall along the coastal southeastern United States
9:00a	Dr. Corene Matyas University of Florida	A GIS-based analysis of the post-landfall shape properties of tropical cyclone rain fields
9:25a	Sheldon Kusselson NOAA/NESDIS	New Satellite-Derived Tools for Inland Rainfall Impacts from Tropical Cyclones
9:50a	<b>BREAK</b>	

*Session Chair: Marshall Shepherd, University of Georgia*

10:05a	Barrett Smith WFO Raleigh	Effects of Dry Air Ridging on Precipitation in Tropical Storm Hanna
10:30a	Mike Jurewicz WFO Binghamton	A Study of Predecessor Rainfall Events (PRE) in Advance of Tropical Cyclones
10:55a	Lance F. Bosart SUNY Albany	An Overview of Predecessor Heavy Rain Events Associated with Landfalling Tropical Cyclones
11:20a	Benjamin Moore SUNY Albany	A Comparison of Significant Predecessor Rain Events Associated with Tropical Cyclone Rita (2005) and Tropical Cyclone Erin (2007)
11:45a	<b>LUNCH</b>	<i>on your own</i>

*Session Chair: Kent Frantz, WFO Atlanta*

12:45p	<b>Panel Discussion</b>	<b>On the Transition of Science Between Public and Private Sectors</b> <i>Steve Harned, Atlantic States Weather CEO and NWA Executive Director</i> <i>Kermit Keeter, Chief Meteorologist, Early Alert</i> <i>Rob Marciano, News and Weather Anchor, CNN</i> <i>Dr. Joseph Pelissier, Hurricane and Severe Weather Specialist, Early Alert</i> <i>Additional Panelist TBA</i>
1:30p	<b>John Feldt</b> SERFC	<b>Invited Presentation - Hydrologic Impacts from Inland-Moving Tropical Systems: From Welcome Rainfall to Devastating Floods</b>
2:05p	Juergen Grieser RMS	The RMS TC-Rain Model
2:30p	Christine McGehee SERFC	Improved Areal Precipitation Estimates for Tropical Storm Fay Due to Community Collaborative Rain, Hail and Snow Network Observations
2:55p	<b>BREAK</b>	

*Session Chair: Stephen Konarik, WFO Sterling, VA*

3:10p	David Welch LMRFC	Tropical Cyclone Hydrologic Forecast Tools at the Lower Mississippi River Forecast Center
3:35p	Jeff Dobur SERFC	An Analysis of Past River Flooding at Select National Weather Service River Forecast Locations in Florida
4:00p	Wylie Quillian SERFC	An Analysis of the Hydrologic and Hydraulic Factors during Flooding on the St. Johns River Caused by Tropical Storm Fay, August 2008
4:25p	Kent Frantz WFO Atlanta	Installing Streamgages in Flash Flood Prone Areas: A Success Story
4:50p	Patrick Moore WFO Greer	Beyond Peeks Creek...Lessons Learned From the Landslides of September 2004
7:00p to 9:00p	<b>Dinner</b> 7th Floor, Augusta Room	<b>How Inland Emergency Managers are using Tropical Cyclone Products</b> Brandon Bolinski, FEMA Region IV Hurricane Program Leader

**Friday, June 12, 2009 (8th Floor, Roswell Room)**

7:45a Registration Opens

*Session Chair: TBA*

8:00a	<b>Bart Hagemeyer</b> WFO Melbourne	<b>Invited Presentation - Tropical Cyclone Tornadoes: Past, Present, and Future</b>
8:35a	Jim Hudgins WFO Blacksburg	A Climatology and Potential Precursors of Tornadoes Associated with Tropical Cyclones Across the U.S. Mid-Atlantic Region
9:00a	Chris Link UNC Charlotte	Environmental Characteristics for Tropical Cyclone Tornadoes
9:25a	James Belanger Georgia Tech	Variability of Tornadoes Due to U.S. Landfalling Tropical Cyclones
9:50a	Owen Shieh Univ. of Oklahoma	Identifying Supercells in a Simulated Landfalling Hurricane
10:15a	<b>BREAK</b>	

*Session Chair: Steven Nelson, WFO Atlanta*

10:30a	Justin Lane WFO Greer	An Examination of Tornado Warning Decisions in the Greenville-Spartanburg County Warning Area During Tropical Storm Fay
10:55a	Dan Cecil UAH	Landfalling Hurricane Research Activities at University of Alabama - Huntsville
11:20a	Lee Lindner College of Charleston	Modeling the Inland Impact of Tropical Cyclone Surge
11:45a	Thomas Jones UAH	Effects of Tropical Storm Andrea on Air Quality in Florida
12:10p	Rob Handel 2009-2010 Atlanta AMS/NWA Current President	Closing Remarks