

10th Annual Southeast Severe Storms Symposium  
Broadcaster's Workshop  
Friday, March 2nd  
Bost Extension Center, Mississippi State University

**9:00 - 10:00 AM      Registration**

***Session I - Chair, Amber Winstead***

**10:00 AM              The Residents of Smithville, MS: What Worked and What Didn't Work During An EF5 Tornado**

Michael Brown, Associate Professor, Mississippi State University

**10:30 AM              April 27, 2011: From the Trenches**

James Spann, Chief Meteorologist, WBMA-TV, Birmingham, AL

**11:30 AM              Things Learned During and After April 27**

Josh Johnson, Morning Meteorologist, WSFA-TV, Montgomery, AL

**12:15 - 1:15 PM      Lunch (Bulldog Deli)**

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***Session II - Chair, Cecilia Reeves***

**1:15 PM              Alabamawx.com**

Bill Murray, The Weather Company, Birmingham, AL

**1:45 PM              Challenges Women Face in Broadcast Meteorology**

Courtney Cooper, Weekend Meteorologist, WABG-TV, Greenville, MS

**2:15 PM              Getting Involved in the Community**

Dave Nussbaum, Morning Meteorologist, WBRZ-TV, Baton Rouge, LA

**2:45 - 3:15 PM      Break (Snacks and Drinks)**

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***Session III - Chair, Kara Bolognini***

**3:15 PM              When You Know You've Made It**

Bernie Rayno, Expert Sr. Meteorologist, Accuweather, State College, PA

**4:00 PM              Developing a Thick Skin in Television**

Ryan Vaughan, Chief Meteorologist, KAIT-TV, Jonesboro, AR

**4:30 PM              Panel Discussion**

**5:00 PM              End of Broadcaster's Workshop**

**7:00 - 9:00 PM      10th Annual Southeast Severe Storms Symposium Mixer**

Cowbells Sports Grill

10th Annual Southeast Severe Storms Symposium  
Saturday, March 3rd  
Bost Extension Center, Mississippi State University

**7:30 - 8:00 AM**      **Registration**

**8:00 AM**              **Opening Remarks**  
Charles Roop, President, East Mississippi NWA/AMS

***Session I - Chair, Katie Landry***

**8:10 AM**              **Using the QG Omega Equation to Dynamically Smooth 3D NWP Data**  
Michael Battalio and Jamie Dyer, Mississippi State University

**8:30 AM**              **An Analysis of Key Aspects of Warm and Cool Season Flash Flooding in the Southern Appalachians**  
William Baldwin, Mississippi State University

**8:50 AM**              **Investigation into Whether Vegetation Discontinuities Related to a Tornado Scar Can Enhance Convection**  
Barrett Gutter, David Cox, and Michael E. Brown, Mississippi State University

**9:10 AM**              **The Effects of Topography on Spatial Tornado Distribution**  
David Cox and P. Grady Dixon, Mississippi State University

**9:30 AM**              **Research to Operations - An Emergency Manager's Perspective**  
David Schlotzhauer, Louisiana GOHSEP State Emergency Management

**9:50 AM**              **TRMM Hurricane Precipitation Estimates**  
Walt Clark, Nathan Owen, Vandana Raghunathan, Cynthia Erhardt, Josh Stodghill, NASA DEVELOP

**10:10 - 10:30 AM**    **Break (Snacks and Drinks)**  
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***Session II - Chair, Matthew Reagan***

**10:30 AM**              **Examples of How Dual Polarization Radar Helps with Weather Analysis**  
Thomas L. Salem Jr., National Weather Service, Memphis, TN

**10:50 AM**              **WSR-88D Dual Polarimetric Tornadic Debris Signatures Associated with Four Weak Tornadoes in Georgia**  
Steven Nelson and Laura Belanger, National Weather Service, Peachtree City, GA

**11:10 AM**              **Comparative Analysis of the Tornado Outbreaks of April 3-4, 1974 and April 27-28, 2011: Deriving Population Exposure Fatality Rate Estimates Using Geographic Information Systems (GIS)**  
Amber Cannon, East Central University; Kimberly Klockow University of Oklahoma, Randy Pepler, University of Oklahoma/CIMMS; Harold Brooks, NOAA/NSSL

**11:30 AM**                    **Keynote Address: Personal Thoughts on the 27 April 2011 Tornado Outbreak**  
Dr. Charles A. Doswell III, Cooperative Institute for Mesoscale Meteorological Studies/University of Oklahoma

**12:15 - 1:15 PM**           **Lunch (The Little Dozey)**

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***Session III - Chair, Evan Thomas***

**1:15 PM**                    **Synoptic Scale Pattern for the 27 April 2011 Outbreak**  
Thomas Salem Jr., National Weather Service, Memphis, TN; Fernanda Ramos and Milmar Ramirez, University of Puerto Rico - Mayaguez

**1:35 PM**                    **Analysis and Recent Observations of Wave Interactions in North Alabama**  
Todd A. Murphy, Ryan A. Wade, Timothy Coleman, and Kevin R. Knupp, University of Alabama in Huntsville

**1:55 PM**                    **A Kinematic, Multiple Doppler, and Dual-Pol Radar Analysis of the Mid-Day Tornadic QLCS During the Historic April 27th Super Outbreak**  
Ryan A. Wade, Todd A. Murphy, and Kevin R. Knupp, University of Alabama in Huntsville

**2:15 PM**                    **Operational Impacts and Challenges of the 27 April 2011 Tornado Outbreak in North Alabama**  
Brian C. Carcione and Christopher B. Darden, National Weather Service, Huntsville, AL

**2:35 - 2:50 PM**           **Break (Snacks and Drinks)**  
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***Session IV - Chair, Nathan Owen***

**2:50 PM**                    **Unique Remote Sensing Perspectives of the 27 April 2011 Tornado Outbreak**  
Brian C. Carcione, National Weather Service, Huntsville, AL and Christopher J. Schultz, University of Alabama in Huntsville

**3:10 PM**                    **Dual-Doppler and Dual-Polarization Analysis of the 27 April 2011 Morning MCV in North Alabama**  
Stephanie A. Mullins and Kevin R. Knupp, University of Alabama in Huntsville

**3:30 PM**                    **A Comparison of EF Ratings, Storm Modes and Fatalities of Mid-South Tornadoes**  
James A. Branda, National Weather Service, Memphis, TN

- 3:50 PM**                    **A Spatial Analysis of Tornadogenesis in Kentucky and Tennessee Using Geostatistical Techniques**  
Robert Mark Simpson, University of Tennessee at Martin
- 4:10 PM**                    **An Overview of the Total Lightning Jump Algorithm: Past, Present, and Future Work**  
Christopher J Schultz, Lawrence D. Carey, Walter A. Petersen, Wiebke Deierling, and Cathy Kissinger, University of Alabama in Huntsville
- 4:30 PM**                    **A Comparison of 2010 and 2011 April/May Heavy Rainfall Events in the Mid-South**  
Corey Chaskelson, National Weather Service, Memphis, TN
- 4:50 PM**                    **Closing Remarks**
- 5:00 PM**                    **End of 10th Annual Southeast Severe Storms Symposium**

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