

13th Annual Southeast Severe Storms Symposium
McCool Hall, Taylor Auditorium, Mississippi State University

Saturday, March 28, 2015

9:00 am – **Registration**
10:00 am

10:00am **Opening Remarks**

10:05am **Conference Weather Briefing**
Jonathan Weaver, Mississippi State University

Session 1

Session Chair: Meagan Massey

10:20 am **Effective Communication of Hurricane Storm Surge Potential**
Kathy Sherman-Morris, Mississippi State University

10:40 am **Geographic Differences in Emergency Management Decision-Making: A Case Study of Severe Weather in the Midwest**
Holly Lussenden, Mississippi State University

11:00 am **Evaluation of the Effectiveness of National Weather Service Heat Forecasts in North Carolina**
Christopher Fuhrmann, Mississippi State University

11:20 am **KEYNOTE PRESENTATION**
A Multivariable Aggregate Severe Parameter for Severe/Tornado Prediction: CWASP
Jeffrey P. Craven, NWS Milwaukee/Sullivan, WI; Immediate Past President of the NWA

12:20 pm – **LUNCH: Little Dooley's BBQ**
1:20 pm

Session 2

Session Chair: Zoe Schroder

1:20 pm **The Correlation of ENSO to Tornadoes in the Mid-South**
Thomas L. Salem Jr. and Preston Bradley, National Weather Service, Memphis, TN

1:40 pm **Microburst Composite Parameter: A Forecasting and Analysis Approach to Determine Favorable Days for Microbursts across the Southern States**
Chad Entremont, Eric Carpenter, Brad Bryant, David Cox, Anna Weber, Jared Allen, National Weather Service, Jackson, MS

2:00 pm **Overview of 30 June – 1 July 2014 Midwestern Dual-Derecho Event**
Anthony W. Lyza and Kevin Knupp, Severe Weather Institute and Radar & Lightning Laboratories (SWIRLL), University of Alabama in Huntsville; Eric Lenning, Matthew T. Friedlein, Richard Castro, National Weather Service, Chicago, IL

2:20 pm **Polarimetric Signatures Associated with Severe Bow Echoes**
Taylor Trogdon, National Weather Service, Memphis, TN

2:40 pm – **BREAK**
2:50 pm

Session 3
Session Chair: Barrett Gutter

2:50 pm **KEYNOTE PRESENTATION**
A Review of Severe Weather in 2014 and a Look at 2015
Gregory Carbin, Warning Coordination Meteorologist at NWS/NCEP Storm Prediction Center

3:50 pm **Case Study of an Early March Winter Storm in Memphis**
Thomas L. Salem Jr. and John P. Moore III, National Weather Service, Memphis, TN

4:10 pm **Fly on the Wall: Behind the Scenes of NWS Jackson Warning Operations on April 28, 2014**
Daniel Lamb, National Weather Service, Jackson, MS

4:30 pm **Closing Remarks**

4:35 pm **End of Day 1**

6:00 pm – **MIXER: Central Station Grill**
9:00 pm 200 S Montgomery St, Starkville, MS 39759

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Sunday, March 29, 2015

8:00 am – **Registration**
9:00 am

9:00 am **Opening Remarks**

Session 1

Session Chair: Zach Holder

9:05 am **Content Analysis of Social Media in Extreme Weather**
Scott Sincoff, Mississippi State University

9:25 am **The REAL World in Television**
Carrie Duncan, WLOX, Biloxi, MS

9:45 am ***GOLD SPONSOR PRESENTATION***
Baron: An Introduction to Critical Weather Intelligence
Heather Hope, Baron Services

10:05 am **Weather Graphics and Real People: A Perspective**
Josh Johnson, WSFA-TV

10:25 am – **BREAK**
10:35 am

Session 2:

Session Chair: Holly Lussenden

10:35 am **Late December and Early January Tornado Outbreaks in the Deep South**
Dan Byrd, National Weather Service, Jackson, MS

10:55 am **Three Weeks in Winter: Analyzing 2015's Successive High-Impact Winter Storms in the Tennessee Valley**
Brian Carcione, Christopher B. Darden, Kristopher D. White, National Weather Service, Huntsville, AL

11:15 am **Preliminary Polarimetric Radar and Atmospheric Profiling Analysis of Convective Snowbands and Atmospheric Waves during the 25 February 2015 Southeastern U.S. Heavy Snow Events**
Ryan Wade, Kevin Knupp, Dustin Phillips, University of Alabama in Huntsville

- 11:35 am **KEYNOTE PRESENTATION**
Hurricane Intercept Research Team Field Program: 1996-2014
Mark Sudduth, Founder and Editor of HurricaneTrack.com
- 12:35 pm – **LUNCH**
1:35 pm
- 1:35 pm **A Mesoscale and Storm-Scale Analysis of the 28 April 2014 Tornado
Outbreak in the Tennessee Valley**
Brian Carcione, Christopher B. Darden, Kristopher D. White, Bryce R.
Williams, National Weather Service, Huntsville, AL
- 1:55 pm **A Cloud-to-Ground Lightning Climatology of the Lower Mississippi
River Valley**
Mark Baldwin, Mississippi State University
- 2:15 pm **A GIS-Based Analysis of Precipitation Organization and Regional
Hydrology in North Carolina**
Christopher Zarzar, Thomas Rickenbach, Rosana Nieto-Ferreira, East
Carolina University; Brian Nelson, National Climatic Data Center,
Asheville, NC
- 2:35 pm **Impacts of Satellite Radiance and Conventional Data Assimilation on
Outbreak Mode Prediction**
Erin Thead, Andrew E. Mercer, Jamie Dyer, Mississippi State University
- 2:55 pm **Closing Remarks**
- 3:00 pm **End of Day 2**

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