



15th Annual Southeast Severe Storms Symposium

Hosted By:

**The East Mississippi Chapter of the NWA /
AMS**

Mississippi State University

Harned Hall, Room 102

About the East Mississippi Chapter of the NWA / AMS

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Conference Agenda

Saturday, April 1, 2017

8:00 – 9:00 am

Registration

9:00 am

Opening Remarks

9:05 am

Conference Weather Briefing

Presenter: Melissa Scavelli

Session 1: Impactful Weather and its Parameters

Session Chair: Alex Herbst

9:10 am

Hurricanes Hermine and Matthew: Technology Proves Itself

Mark Sudduth, HurricaneTrack.com

9:50 am

Severe Weather Parameters and Their Effectiveness on Forecasting Tropical Cyclone Induced Tornadoes

Jonathan Weaver, Mississippi State University

10:10 – 10:20 am

BREAK

10:20 am

KEYNOTE PRESENTATION:

Impactful Weather in a Small Market: The Past, The Present, and The Future

Ryan Vaughan, KAIT 8, Jonesboro, AR

11:20 am – 12:50 pm

LUNCH

Session 2: Remote Sensing and History

Session Chair: Caroline MacDonald

12:50 pm

SPONSOR PRESENTATION:

Baron Weather: Severe Weather Communication through Dynamic Display of Unique Data Sets and More Timely Processing

Steve Bray, Baron Weather

1:20 pm

The Great Storm of the War of 1812

Brant Beckman, Mississippi State University

1:40 – 1:50 pm

BREAK

1:50 pm

Examination of the Microclimate of Davis Wade Stadium and Thermal Comfort of Stadium Occupants During the 2016 Football Season

Andrew Collins, Mississippi State University

2:10 pm

GOES-16 and the Advanced Baseline Imager

Thomas L. Salem Jr., National Weather Service, Memphis, TN

2:30 pm

Applications of Total Lightning Data for Severe Weather Operations at NWS Huntsville in the pre-GLM Era

Kristopher White, National Weather Service, Huntsville, AL

2:50 – 3:00 pm

BREAK

- 3:00 pm **20 Years Past Twister**
Bruce Thomas, NWA Past-President
Chief Meteorologist and National Spokesman,
Midland Radio
- 3:20 pm **Preliminary VORTEX-SE Sounding Observations
in Complex Terrain**
Ryan A. Wade, University of Alabama in Huntsville
- 3:40 – 3:50 pm **BREAK**
- 3:50 pm ***KEYNOTE PRESENTATION:***
A History of Storm Surge Hazards in the U.S.
Taylor Trogdon, NOAA / Cyberdata Technologies
- 4:50 pm **Closing Remarks**
- 4:55 pm **End of Opening Day**
- 6:00 – 10:00 pm **MIXER – Central Station Grill**



Conference Agenda

Sunday, April 2, 2017

8:00 – 9:00 am

Registration

9:00 am

Opening Remarks

9:05 am

Conference Weather Briefing

Presenter: James Bryant

Session 1: The Two E's – Education and El Niño

Session Chair: Matt Breland

9:10 am

Weather Meets Education

Jacob Dickey, Mississippi State University

9:30 am

**Influence of Off-Equatorial SST Anomalies
During ENSO Events**

Austin Schneiderman, Mississippi State University

9:50 am

**Comparison of Winter Gulf Coast Cyclones
During El Niños**

Corey Ingles, University of South Alabama

10:10 – 10:20 am

BREAK

10:20 am

KEYNOTE PRESENTATION:

A Day at the Storm Prediction Center

Dr. Patrick Marsh, NOAA / NWS Storm Prediction
Center

11:20 am – 12:50 pm

LUNCH

Session 2: Tools and Observations

Session Chair: Mandy Raborn

- 12:50 pm **Comparing Temperature Data from USA Mesonet Stations, Cooperative Observer (COOP) Stations, and Automatic Surface Observing System Stations across the Northern Gulf Coast**
Nicholas Grondin, University of South Alabama
- 1:10 pm **Assessing the Accuracy of Tornado Watches across the Contiguous United States from 2007-2015**
Barrett Gutter, Mississippi State University
- 1:30 pm **Observational Overview of the 29-30 November 2016 Tornado Outbreak in the Tennessee Valley**
Anthony W. Lyza, Ryan A. Wade, and Kevin R. Knupp, Severe Weather Institute- Radar & Lightning Laboratories, University of Alabama in Huntsville
- 1:50 – 2:00 pm **BREAK**
- 2:00 pm ***KEYNOTE PRESENTATION:***
Keeping It Real: The Tools You Need to Navigate and Succeed in the Ever-Evolving Meteorological World
Jennifer Watson and Ari Salasari, The Weather Channel
- 3:00 pm **Closing Remarks**
- 3:05 pm **End of 15th Annual Southeast Severe Storms Symposium**

**Thank you to all who helped
make the Symposium
possible!**

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