

SeCAPS Agenda

Friday, February 16

3:30 p.m. Registration

3:45 Welcome and Introduction

3:55 Synoptic Briefing - Avery Vice, University of South Alabama

4:35 Observing Atmospheric Parameters Using Quadcopters -
Collin Carithers, University of South Alabama

4:55 El Niño and Lightning: An ENSO Approach to Interannual Lightning
Variability - Austin Clark, University of Alabama in Huntsville

5:15 Statistical Analysis of Extreme Rainfall along Florida's Space Coast -

Dr. John M. Lanicci, University of South Alabama

5:35 Break

5:40 Quantifying Sea Breeze Characteristics for Alabama's Mobile Bay Area -

Rebekah Cheatham, University of South Alabama

5:50 Early Operational Successes of the University of Louisiana at Monroe's S-band

Polarimetric Doppler Radar -

Dr. Todd A. Murphy, University of Louisiana at Monroe

6:10 Breaking the Grip of the Rip: The Science of Forecasting and Communicating

the Risk of Deadly Rip Currents -

Cody Lindsey and Morgan Barry, NWS, Mobile, AL

6:30 Break

6:40 Keynote: Capabilities and future strategic objectives for the National Center for

Atmospheric Research (NCAR) and the University Corporation for
Atmospheric Research (UCAR) -

Dr. Mike Farrar, University Corporation for Atmospheric Research

7:30 Mixer

Saturday, February 17

7:45 a.m. Registration (Coffee and Refreshments Available)

7:55 Welcome and Opening Remarks

8:00 An Analysis of the Spring 2017 Record Flooding Event in Northern Arkansas -

Michael Brown, NWS, Little Rock, AR

8:20 National Weather Service Mobile, Alabama, Low-Water Crossings -

Caitlin Ford, University of South Alabama

8:40 A Discussion of the 2017 Record Rainfall Year for WFO Mobile -

Da'Vel R. Johnson, NWS, Mobile, AL

9:00 Break

9:10 Keynote: The Role of Water in Mesoscale Dynamics -

Dr. Gary M. Lackmann, North Carolina State University

10:00 Break

10:10 Forensic Meteorology: The Expert Witness Experience - Dr. Aaron "Bill" Williams,
Director Emeritus, Coastal Weather Research Center, University of South Alabama

10:45 Poster Session

11:55 Lunch

1:05 p.m. More Science: Relevant Injections of Science into Local Broadcast Meteorology -

Nick Lilja, WDAM Television, Laurel/Hattiesburg, MS

1:25 Keynote: What a Wonderful World ... of Weather: Atmosphere and Earth Images -

Alan Sealls, WKRG-TV, Mobile, AL

2:15 Break

2:25 Microburst Composite Parameter: A Forecasting and Analysis Approach to Determine

Favorable Days For Microbursts across the Southern States -

David Cox, NWS, Jackson, MS

2:45 A Case of Prolific QLCS Tornado Production: The Lower Mississippi River Valley Tornado

Outbreak of 30 April, 2017 - Daniel Lamb, NWS, Jackson, MS

3:05 Break

3:15 Examination of Forecast and Warning Services for the Lower Mississippi River Valley Severe Weather and Flash Flood Event of 2-3 April 2017 - David Cox, NWS, Jackson, MS

3:35 An Examination of Convective Enhancement within Complex Terrain on 5 April 2017 during VORTEX-SE - Dr. Todd A. Murphy, University of Louisiana at Monroe

3:55 Break

4:05 Keynote: Unlocking the Utility of Dual-Polarization Radar Data for High-Impact Weather

Operations - Joey Picca, Storm Prediction Center

4:55 Closing Remarks