

Tentative Agenda

SATURDAY, MARCH 29

7:45 AM - 4:00 PM

GENERAL SESSION ONE

Registration / Welcome

Keynote Addresses

Lunch (provided)

Group Mentoring

Guest Speakers

MIXER

(Optional) 5:00-8:00 pm

SUNDAY, MARCH 30

8:00 AM - 3:30 PM

GENERAL SESSION TWO

Keynote Address

Poster Session

Lunch (not provided)

Guest Speakers

Closing Remarks



Registration is open through March 14th. Please submit poster/oral presentation abstracts by March 7th. For submissions and questions about SeCAPS, email us at: secaps@southalabama.edu

Meteorology at USA

The University of South Alabama offers a curriculum designed to provide each student with a thorough understanding of the laws of atmospheric behavior. Students are exposed to current techniques in weather forecasting and atmospheric remote sensing. Students interested in broadcast meteorology have access to the most up to date technology in the field. Undergraduate research opportunities are available to those interested in pursuing graduate degrees. The program features an emphasis on applied meteorology and weather forecasting while also providing a complete theoretical background in the field of meteorology. Small class sizes along with the opportunities for internships and field work are also highlights of the South Alabama Meteorology Program.



Meteorology Club

The USA student chapter of the AMS was founded in 1998. The club participates in community outreach programs as well as campus-related activities. The Club also hosts events in which professional meteorologists provide insight into different aspects of their jobs, as well as career opportunities within their fields, meetings and events are held frequently.

 [Facebook.com/usameteorologyclub](https://www.facebook.com/usameteorologyclub)

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For directions to venue and other information, visit:
SouthAlabama.edu/secaps


UNIVERSITY OF SOUTH ALABAMA
DEPARTMENT OF EARTH SCIENCES
SouthAlabama.edu/Meteorology

UNIVERSITY OF SOUTH ALABAMA
STUDENT CHAPTER OF THE
AMERICAN METEOROLOGICAL SOCIETY

The 18th Annual
**Southeastern
Coastal and
Atmospheric
Processes
Symposium**
March 29-30, 2025
USA Student Center
Mobile, Alabama




SouthAlabama.edu

2025 Keynote Speakers



MR. ALAN SEALLS

is retired from a career as a broadcast meteorologist. He most recently was Chief Meteorologist at NBC15 in Mobile, after serving as Chief Meteorologist at WKRK-TV for 20 years. Alan earned bachelor's and master's degrees in meteorology, respectively, from Cornell, and from FSU. He is a Fellow of the AMS, and a

Past President of the NWA. Alan teaches weather broadcasting at the University of South Alabama, each spring. He writes a bi-weekly weather column for Lagniappe Newspaper. He has written and produced more than 100 weather videos used by educators in multiple countries. Alan has also authored three weather books. He serves as a consulting meteorologist and expert witness in legal cases. Alan is a sixteen-time Emmy winner and is the 2025 AMS President-Elect. He went viral on YouTube for coverage of Hurricane Irma, in 2017. Over his career, Alan visited more than 800 schools, reaching tens of thousands of kids. Alan is also an accomplished weather photographer. His work and weather photos have been used in television, science research, and in textbooks.



MR. TONY RICE

is a data scientist and volunteer in the NASA Jet Propulsion Laboratory's Solar System Ambassador program For more than a

decade he has carved out a science communication niche at the intersection of astronomy. Tony regularly engages more than 500 broadcast meteorologists, National Weather Service personnel, and student meteorologists, offering insights on astronomy and space events.. He has spoken at AMS and NWA annual meetings on how broadcast meteorologists can leverage astronomy to build their brand as station scientist and trust with their audience. Tony is a weekly contributor to the Weather Brains podcast, a frequent guest on the Fox Weather channel, and a regular contributor to WRAL-TV in Raleigh, NC, on astronomy and space science topics. He is currently completing an almanac of eclipses, detailing various types of solar eclipses over five millennia. Outside of weather and astronomy, Tony holds a degree in Computer Science from Virginia Tech and works as a cybersecurity architect for Cisco, where he specializes in risk and compliance for government systems. He also speaks internationally on automating development security operations and holds patents on cloud security and observability.



MR. BRIAN LAMARRE

currently serves as the National Weather Service Operation Model Program Manager. Brian is leading efforts across the agency to design and implement a modernized NWS structure. This operating model is focused on enabling decision support at the intersection of science and technology and robust community and partner engagement. Prior to this, Brian was the meteorologist-in-charge of the NWS Tampa, Florida Weather Forecast Office from 2007 to 2024. Brian grew up in Connecticut and started his career in 1992 as a student volunteer with NWS Hartford, CT. Brian was selected for his first permanent meteorologist position in 1994 with the NWS office in Corpus Christi, Texas serving as a meteorologist intern, general forecaster and senior meteorologist. Brian also served as the national marine and coastal weather services program manager at NWS Headquarters and as the Warning Coordination Meteorologist at NWS Lubbock, Texas. Brian earned a bachelor's degree in meteorology in 1994 and a master's degree in management specializing in leadership and organizational change in 2014. Brian also served as the Team Lead for the NOAA's Gulf of Mexico regional collaboration team from 2015 to 2024.



DR. TIM MARSHALL

was born and raised in the Chicago area. On April 21, 1967, an F4 tornado struck his hometown. The tornado traveled 16 miles, damaged hundreds of homes and caused 33 deaths. At that moment, Tim knew he wanted to study tornadoes for the

rest of his life. After earning his B.S. in meteorology from Northern Illinois University, Tim studied at the Institute for Disaster Research at Texas Tech, earning an M.S. in atmospheric science and an M.S. in civil engineering, becoming a professional engineer in 1989. He is among a small group of people worldwide who have expertise in both meteorology and engineering. Tim has spent the past 4-plus decades assessing storm damage to buildings with Haag Engineering Company. Tim has presented numerous lectures and courses on storm damage assessment. For 3 decades he taught weather coordination meteorologists storm damage techniques at the NOAA training center in Kansas City. In his spare time, Tim chases tornadoes and hurricanes and has been involved in several NSF sponsored field projects such as VORTEX, ROTATE, TWIRL, and most recently ICECHIP. Tim has published more than 100 papers during his career and has been involved in developing and upgrading the Enhanced Fujita and Saffir- Simpson scales. He is a member of the AMS, NWA and the American Society of Civil Engineers.



Photos
Provided by
USA
Meteorology
Students

About SeCAPS

The Southeastern Coastal and Atmospheric Processes Symposium is held annually during the spring semester. Topics include tropical meteorology, severe and winter weather, hurricane and severe weather safety and awareness, coastal processes, the role the media and governmental departments take in public notification of impending natural disasters, and current research being conducted. The nature of SeCAPS fosters interaction between students and earth science professionals in industry, government, broadcast media, and academia.

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