Spring 2025 FPAW Meeting
Biographies of the Session Leads, Panelists and Presenters

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FPAW Steering Committee Member, *(r)* = *Remote Participant*, P/P = Presenter/Panelist
Leads and Co-Leads may also be Presenters/Panelists in their sessions

Kevin Adkins (Embry-Riddle Aeronautical University)

Dr. Kevin A. Adkins holds a B.A., M.A. and Ph.D. in aerospace engineering, along with advanced coursework in physics and atmospheric science. He is a professor in the ERAU College of Aviation and teaches undergraduate and graduate courses in aerodynamics, aircraft performance and uncrewed aircraft systems (UAS). During the spring of 2023, he delivered the first collegiate course on advanced air mobility (AAM) in the United States.

Kevin's research interests include UAS and their applications, using UAS and numerical methods to analyze near-surface (ABL/UBL) meteorology, micrometeorology, advanced air mobility (AAM) and UAS flight test. He is the director of the Uncrewed Vehicle and Atmospheric Investigation Lab (UNVAIL) at Embry-Riddle. Before coming to Embry-Riddle, Kevin served as an officer and pilot in the United States Air Force and spent over a decade in the engineering industry, working as both an aircraft designer and lead flight test engineer. Kevin holds numerous professional memberships and is an elected Fellow of the Royal Aeronautical Society.

Rex Alexander (Five Alpha LLC) (r)

Rex Alexander is a plain 'Old' run-of-the-mill, blue-collar, knuckle-dragging, grease under the fingernails, flight suit smelling like jet fuel, dual-rated pilot/mechanic of some 40+ years, who has been afforded the opportunity and privilege to design and develop Vertical-Flight Infrastructure around the Globe.

Rex is a Vertical Flight Infrastructure Subject Matter Expert working with the FAA, NASA, ICAO, EASA, VFS, NFPA, ASTM, IES, VAST, GAMA, VAI, AAMS, CAMTS, NASAO, EAA, AOPA, and numerous others, in a continuous effort to enhance safety, efficiency, and the viability of vertical flight infrastructure worldwide.

Gus de Azevedo (Oklahoma State University)

Dr. Gustavo de Azevedo is an Assistant Research Professor at Oklahoma State University. Although his degrees are in Electrical and Computer Engineering (ECE), his terminal degree was equally divided between ECE, Aerospace Engineering, and Meteorology. This diverse education gives Gus a multifaceted perspective to tackle atmospheric observational challenges in support of NextGen Aviation Weather.

Besides the development of patented UAS-based atmospheric sensing technologies, Gus's research exploits also led him to write a chapter in the book *Fundamentals of Capturing and Processing Drone Imagery and Data* (CRC Press, 2021) to help educate the next generation of atmospheric scientists and engineers.

Beth Blickensderfer (Embry-Riddle Aeronautical University)

Dr. Beth Blickensderfer is a professor in the Daytona Beach Human Factors and Behavioral Neurobiology Department and Director of the Applied Cognition and Training Science research laboratory. Beth holds a Ph.D. in Human Factors Psychology and an M.S. in Industrial/Organizational Psychology from the University of Central Florida. Prior to her academic career she worked as a Research Psychologist as a civilian for the U.S. Navy.

Beth has over 20 years of experience in human-machine systems research and development. Her expertise includes experimental design, cognitive task analyses, training effectiveness, human

performance metrics, and simulation-based, human-in-the-loop testing. She has led multidisciplinary teams to address challenges in aviation, healthcare, and other complex socio-technical systems.

In aviation, Beth has led research on general aviation pilots' interpretation of complex weather displays, identifying obstacles to effective decision-making and developing training techniques to improve pilots' capabilities. She has also contributed to projects on integrating unmanned aircraft into national airspace and identifying hazards in live-virtual-constructive training systems for F/A-18 pilots.

Her collaborative approach involves working with domain experts to analyze systems, identify limitations, and develop solutions, while understanding the unique challenges of each environment.

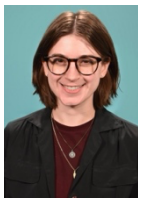
Frank Brody (COMET) (r)

Frank Brody is a scientist with UCAR/COMET, focusing on developing remote training modules for use by meteorologists. Frank has been with COMET since 2018. He is also a consulting forensic meteorologist for WeatherExtreme Ltd. Frank worked for Booz Allen Hamilton from 2018-2021, supporting projects such as Advanced Air Mobility / Urban Air Mobility (AAM/UAM) and Offshore Wind Farm meteorological analyses.

Prior to COMET, Frank completed a 40-year career with the NOAA/National Weather Service (NWS) in a variety of operational and management positions. He led NWS weather decision support to the FAA Air Traffic Control System Command Center (ATCSCC) from 2014 to 2017, providing and ensuring meteorological decision support for ATCSCC air traffic managers. As a member of the FAA Collaborative Decision Making (CDM) Weather Evaluation Team (WET), he helped develop and improve aviation weather CDM processes and tools, including the Plan-Evaluate-Review-Train-Improve (PERTI) initiative. Frank was Meteorologist in Charge of the NWS Spaceflight Meteorology Group (SMG) at NASA Johnson Space Center (JSC) in Houston, Texas from 1991 to 2014. In addition to leading meteorological support for Space Shuttle launches and landings, he led and provided weather decision support for NASA/JSC center closure decisions due to hurricanes, tropical storms, and winter weather.

Frank is a member of the American Meteorological Society and the National Weather Association, and has been active with FPAW since 2015. He has a B.S. degree in Meteorology from Pennsylvania State University.

Lydia Bunting (OU/CIWRO)



Growing up in Oklahoma allowed Lydia to experience and learn about severe weather on a regular basis, and involvement in undergraduate research further developed her interest in meteorology. She obtained her Bachelor of Science in mathematics from Oklahoma State University in 2020 with minors in computer science and geography and a certificate in geographic information systems (GIS). In 2022, she received her Master of Science in atmospheric science from Texas Tech University. Lydia now works as a research associate at the Cooperative Institute for Severe and High-Impact Weather Research and Operations (CIWRO) in Norman, Oklahoma studying the boundary layer and severe storm dynamics through various data collection methods including UAS.

Ejaaz Cadinouche (Embry-Riddle Aeronautical University)

Ejaaz Cadinouche graduated Summa Cum Laude from Embry-Riddle's Daytona Beach Campus in the Fall of 2024 with a Bachelor's Degree in Aeronautical Science and a Minor in Human Factors Psychology.

He graduated as an Instrument Rated Commercial Single and Multi-Engine pilot and Certified Flight Instructor from ERAU's highly coveted flight program, receiving recognition as the Top Private Pilot Student of the Month for November 2021 in his first semester. He was hired as a Student Assistant in the ERAU Normobaric High Altitude Lab in 2023 where he has pursued his passion for Aerospace Physiology. He is currently in between his studies and has recently been accepted into the Master's Program at Embry-Riddle to study Human Factors and intends to further his developing interests in Physiology and Aviation Safety through research opportunities.

His previous involvements include serving as a Flight Sergeant in the Royal Air Force Air Cadets, teaching and mentoring younger RAF cadets, and starting the very first Aeronautics Society at his secondary school in the UK. His professional affiliations include Student Affiliate of the Royal Aeronautical Society, AOPA Member, and Member of the American Society of Safety Professionals.

Rick DiMaio (Lewis University) (r)

Rick DiMaio has worked as a Flight Operations Aviation Meteorologist for United Airlines, a Broadcast Meteorologist for Fox News Chicago, and as professor of Aviation Meteorology at Lewis University.

Rick was awarded the Annual Flight Operations Division Award for outstanding service to United Airlines Meteorology Department. He helped devise strategic methods for forecasting mesoscale weather conditions for United's Shuttle Operation and the new Denver Airport. As Chief Meteorologist at Fox News Chicago, DiMaio streamlined and implemented an entire new graphics package and was responsible for all content and training. Rick attended annual meetings related to Severe Weather, Hurricanes, and Broadcast Meteorology. He assisted in implementing station-wide training in severe weather spotting and was later nominated for a Midwest Emmy for excellence in on-air presentation and a severe weather special.

As a college instructor, Rick oversees Lewis University's Aviation Meteorology program. He also teaches in the Physics Department and is a consultant to the campus TV News Department.

Michael Dorneich (Iowa State University) (r)

Dr. Michael Dorneich is a Morrill Professor and the Joseph Walkup Professor in the Industrial and Manufacturing Systems Engineering Department at Iowa State University. He earned his Ph.D. at the University of Illinois at Urbana-Champaign. Before joining the faculty at Iowa State University, he worked at Honeywell Labs, researching adaptive system design and human factors in a variety of domains.

Michael's research interests focus on creating joint adaptive human-machine systems that enable effective joint performance, developing extended reality based learning tools for aviation, and designing and evaluating human-autonomy teams.

Godfrey D'Souza (Embry-Riddle Aeronautical University)

Godfrey D'Souza is an Assistant Professor of Aeronautical Science in the College of Aviation at Embry-Riddle Aeronautical University (ERAU). He holds both Bachelor's and Master's degrees from ERAU, and also the following certificates: Commercial Pilot in single engine and multi engine airplanes, Aircraft Dispatcher, AGI, IGI, and Remote Pilot.

Prior to returning to Embry-Riddle, Godfrey spent time as an Aircraft Dispatcher for Piedmont Airlines, a wholly owned subsidiary of American Airlines. Apart from being a Dispatcher, Godfrey was an on-the-job-training instructor and was made an Airline Transportation Supervisor. This gave him the privileges to conduct initial training for new hires and administer competency checks for dispatchers.

Mila Eberly (Embry-Riddle Aeronautical University)

Mila Eberly is a senior at Embry-Riddle Aeronautical University, pursuing a bachelor's degree in Aeronautical Science with minors in Applied Meteorology and Airline Operations. Originally from Pennsylvania, she has had the opportunity to live abroad and travel to South Africa, which has played a significant role in shaping her passion for aviation. Currently, MIla is working towards her Certified Flight Instructor (CFI) Certificate and holds an Aircraft Dispatcher Certificate, which she earned in December of last year.

Mila's interest in meteorology began in high school when she took her first meteorology course during her junior year, further fueling her enthusiasm for the subject. She believes that meteorology is a vital component of aviation, not only in piloting an aircraft, but also in flight planning and ensuring operational safety. Her studies have provided her with a deeper understanding of how weather impacts both pilots and dispatchers, enhancing her ability to make informed and safety-conscious decisions in the aviation industry.

Rob Eicher (Embry-Riddle Aeronautical University)

Dr. Rob Eicher is an Associate Professor of Meteorology in the College of Aviation at Embry-Riddle Aeronautical University. Prior to his coming to Embry-Riddle, he worked in several television markets as a broadcast meteorologist, taught in a part-time capacity at Embry-Riddle, and was a teaching assistant at the University of Maryland while he earned his master's degree in meteorology.

Rob started his broadcast career in Salisbury, Maryland (WBOC-TV), moved to Central Florida's market (News 13, WKMG-TV, WOFL-TV), relocated to North Carolina (WJZY-TV), then moved to Boston (WHDH-TV), and has returned to Central Florida to teach broadcast meteorology full time. He has also worked for Tesla as a customer experience specialist. As a member of the American Meteorological Society, he has served on a number of committees and continues to serve on their Board of Best Practices. Rob earned his certificate as a Certified Broadcast Meteorologist in 2005 and won the National Weather Association's Television Seal of Approval in 2002. He also holds a remote pilot's license.

Victor Fraticelli (Embry-Riddle Aeronautical University)

Dr. Victor Fraticelli Rivera is an Assistant Professor of Aeronautical Science at Embry-Riddle Aeronautical University (ERAU), Daytona Beach Campus. Victor holds a bachelor's degree in Aeronautical Science, a minor in Air Traffic Control, a master's degree in Logistics and Supply Chain Management, and a doctorate (Ph.D.) in Higher Education Administration. He has taught Private, Instrument, Commercial Pilot, Airline Dispatch, and Domestic and International Navigation courses.

Victor is an ERAU alumnus, ERAU Flight and Check Instructor, ERAU Flight Training Manager, and Corporate Pilot for a fractional ownership company operating a Pilatus PC-12 in the United States, Canada, and the Bahamas. He is dedicated to the education and professional development of aspiring pilots, providing mentorship and guidance throughout their aviation careers.

Matt Fronzak (MITRE)

Matt Fronzak is a Principal Aviation Systems Engineer in MITRE's Center for Integrated Transportation (CIT). His primary focus is on foundational applied weather and Air Traffic Management (ATM)-Weather Integration research and analysis. He is also involved in a variety of projects revolving around weather uncertainty and ATM decision-making. He is the past chairman of the AMS Aviation, Range and Aerospace Meteorology (ARAM) committee and current co-chairman of the Friends and Partners in Aviation Weather (FPAW) group.

Prior to joining MITRE, Matt spent 34 years at Delta Air Lines working in a variety of operational and management roles, primarily in the Flight Control department at Delta's Operations Customer Center (OCC). In between Delta and MITRE, he had a short stint with Rockwell Collins (now Collins Aerospace) as a marketing manager supporting that company's airborne weather radar products. Matt holds a B.S. in Meteorology from the University of Massachusetts, Lowell and a Master of Aeronautical Science from Embry-Riddle Aeronautical University with specialties in Operations and System Safety. He is an operationally experienced aviation meteorologist, an FAA-licensed and experienced aircraft dispatcher, and an experienced Part 121 operations manager and ATC coordinator.

Tom Guinn (Embry-Riddle Aeronautical University)

Dr. Thomas Guinn is a Professor of Meteorology and the chair of the Applied Aviation Sciences Department at Embry-Riddle Aeronautical University in Daytona Beach, Florida. He joined the Embry-Riddle faculty in 2008 after completing a 22-year career in the U.S. Air Force as a weather officer. Tom received a B.S. in Meteorology from Iowa State University, and his M.S. and Ph.D. in Atmospheric Science from Colorado State University. His current research interests include aviation meteorology and aviation weather education.

Dan Halperin (Embry-Riddle Aeronautical University)

Dr. Dan Halperin is an Associate Professor of Meteorology and one of several faculty who teach Aviation Weather at ERAU. He recently co-led a refresh of the course to incorporate more active learning exercises, redesign lecture slides, and include short daily quizzes to promote retention. Dan's research interests include aviation weather education. He has published articles on altimeter errors due to non-standard

temperatures and density altitude, including evaluations of common approximations and impacts on aircraft performance metrics. He holds a private pilot certificate with an instrument rating.

Alyssa Hayden (Embry-Riddle Aeronautical University)

Allysa is a current masters student studying Human Factors at Embry-Riddle Aeronautical University in Daytona Beach, Florida. In May 2024, she graduated with her bachelor of science in aviation from Barrett, the Honors College at Arizona State University and was distinguished as a College of Engineering Outstanding Graduate.

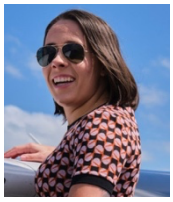
Allysa currently works as a graduate assistant at Embry Riddle's high altitude laboratory (HAL) where she guides students through high altitude and hypoxia awareness training. She previously worked as a crew member at a hypobaric high altitude chamber at the retired Williams Air Force Base in Mesa, Arizona, which equipped her to be especially knowledgeable on flight physiology and aircraft oxygen systems. In addition to the HAL, she also helps with research in the aerospace physiology and applied cognition and training science laboratories working to improve flight training, pilot performance, and flight deck design.

Andy McClure (Aviation Resource Consulting, Inc.) (r)

Andy worked for FAA Flight Service for more than 35 years at Flight Service Stations in Montana, Washington State, and Alaska. He is a Single-Engine land and sea, Commercial, Instrument pilot, with Flight Instructor and Advanced Ground Instructor certificates.

Andy is a Subject Matter Expert in Pilot Weather Reports, Flight Service operations and related subject areas. He facilitated monthly PIREP Improvement Work Group teleconferences involving a wide spectrum of stakeholders and researchers. Since retiring in 2023, Andy has founded a small consulting firm focused on aviation safety issues.

Kiana McQuade (Infinity Flight Group) (r)



Kiana McQuade graduated from the Daytona Beach campus in 2023 with an aeronautical science degree and as a certified flight instructor (CFI). She has been instructing since then, teaching primary and advanced flight students in both the Part 61 and Part 141 environments. Kiana is passionate about the continuing education of aviation educators and volunteers as an FAA Safety Team representative to help further this initiative.

Brian Myszkowski (Delta Air Lines)

Brian Myszkowski has been a Delta Air Lines employee for 33 years. The first 14 years were as a meteorologist, the next 15 years were as an aircraft dispatcher and the past 4 years have been spent in the Delta Flight Control training department.

Brian's current position is Flight Superintendent – Chief Instructor. In that role he oversees the administration of the Delta Flight Control training department. Brian is the director of the Delta Dispatch Academy, which is Delta's in-house FAA-certified Part 65 dispatch training school. He has also been instructing weather classes for dispatchers for the past 10 years. Brian holds a B.S. in Meteorology from the University of Wisconsin (which is where the blurry picture of this social media recluse was taken just about 40 years ago).

Nathan Polderman (United Airlines)

Nathan Polderman is the Senior Manager of Meteorology at United Airlines where he oversees all of United's weather decision support systems and service contracts. He is also the Program Manager for United's FAA-approved Enhanced Weather Information System (EWINS) and serves as a business lead for all corporate-level turbulence injury mitigation initiatives.

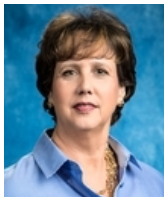
Nathan has actively participated in and led numerous aviation weather industry groups since 2008, including as Chair of the Airlines For America (A4A) Meteorology Committee from 2019-2020, and is currently an airline industry representative on the FPAW Steering Committee. Nathan is an FAA-licensed Aircraft Dispatcher, holds a Master's degree in Atmospheric Science from Indiana University and a Bachelor's degree in Geography from Calvin University.

Kerrick Ray (Oklahoma State University) (r)

Kerrick Ray is currently a PhD student at Oklahoma State University in mechanical and aerospace engineering, where his research focus is on small UAS propeller wake decay and weather applications. He also assists with weather data collection flights using small UAS as one of his lab group's part 107 pilots. Kerrick's master's research employed a mounted ultrasonic anemometer on a small quad UAV to measure and validate wind data over sand dunes compared to a ground station and aerial photography to recreate the dunes for a computer model.

Kerrick received a bachelor's in aerospace engineering from Texas A&M University with a focus on general aerodynamics. He has assisted with small UAV flights for 4 years and has been a licensed pilot and able to lead flight campaigns for the past 2 years.

Debbie Schaum (Embry-Riddle Aeronautical University)



Debbie Schaum received her Bachelor's degree in Atmospheric Science in 1977. She then proceeded into the Air Force as an Aviation Support Meteorologist for most of her Air Force career. Her positions had her providing weather support for a wide variety of aircraft in the European, Asian and Middle East theaters.

Debbie retired from the Air Force in 1964 and came to Embry-Riddle Aeronautical University. In her over 30 years at Embry-Riddle her primary focus has been aviation meteorology. Debbie is also the Associate Chair of Applied Aviation Sciences which consists of 4 degrees, Air Traffic Management, Aviation and Occupational Safety, Meteorology and Space Operations.

Lee-ann Simpson (COMET) (r)

Lee-ann Simpson is an Associate Scientist and Meteorologist with The COMET Program, creators of self-paced, online learning content. She is involved in the design and creation of online lessons, in addition to facilitating and presenting at virtual and in-person training events.

Lee-ann started her career as a weather forecaster in South Africa, focusing on public weather and marine forecasting. After 5 years "on the bench," Lee-ann moved into the Regional Training Center of the South African Weather Service, where she specialized in the training of weather forecasters in South Africa. Joining the COMET team in 2022, Lee-ann brings over 20 years of mixed forecasting and training experience for a wide variety of audiences.

Having obtained her Bachelor of Science, Honors and Master of Science degrees from the University of Pretoria in South Africa, Lee-ann is a career Meteorologist who enjoys sharing her love for the weather with others. Coming from Africa, being outdoors and photographing wildlife is a passion for her, along with travelling, spending time with family and reading a good book.

Katie Sims (University of North Dakota) (r)

Katie is a part-time instructor in the Department of Atmospheric Sciences at the University of North Dakota, and earned her BS in Meteorology from the Metropolitan State University of Denver. She has worked in aviation as a flight instructor, 141 ground instructor, simulator instructor, written test proctor, pilot shop manager, scheduler, and training coordinator.

In 1999, her flying journey started with gliders in Boulder, CO. Katie moved to powered aircraft as a pilot and flight instructor (CFI/CFII/MEI/AGI). Katie attained her CFI in 2010 and instructed at various flight schools along the Colorado front range. From 2014-2017, Katie taught Initial Flight Training for the military in Pueblo, CO until becoming a stay-at-home mom.

Mike Splitt (Florida Institute of Technology)

Michael Splitt obtained a B.S. in Meteorology at Northern Illinois University in 1986. After working at the National Weather Service in Muskegon, Michigan, he headed to graduate school in Oklahoma and earned an M.S. in Meteorology (1991) and a certification in secondary science education (1992). As an assistant site scientist for the Atmospheric Radiation Measurements (ARM) Program Southern Great Plains Site in Oklahoma, he focused on quality control for an array of observing systems, including atmospheric soundings systems, surface radiometers, and surface flux systems. He also provided weather forecast guidance and briefings for intensive observation periods, which included aircraft operations.

Mike transitioned to the University of Utah in 1998, where he worked on what is now known as MesoWest and was part of the weather support team for the 2002 Winter Olympics in Salt Lake City. He next landed at the Florida Institute of Technology and joined the College of Aeronautics in 2016, where he teaches courses in Aviation Meteorology. Mike has published in diverse areas, including atmospheric radiation, tropical cyclone wind probabilities, air-sea interaction, meteorological aspects of thunderstorms producing gigantic jets and terrestrial gamma ray flashes, and aviation meteorology. He is currently funded under projects with the Department of Energy and the FAA PEGASAS program with a focus on weather representativeness issues relevant to weather technology in the cockpit.

Matthias Steiner (NCAR)

Dr. Matthias Steiner is a Senior Scientist with the National Center for Atmospheric Research (NCAR) serving as Director for the Aviation Applications Program of the Research Applications Laboratory (RAL). Drawing from three decades of scientific experience, he leads new initiatives and directs research and development efforts broadly aimed at mitigation of avoidable weather impacts on various sectors, with a particular focus on aviation. Matthias' vision, leadership, and substantial contributions toward mitigating weather impacts on the aviation industry reach deeply across the traditional boundaries of developing more accurate weather forecasts to integrate weather guidance in the decision-making process to better serve aviation operators.

At present, Matthias is leading efforts to understand weather sensitivities and requirements for the rapidly growing interests in urban air mobility and using unmanned aerial systems for wide-ranging applications and safe integration into the national airspace system. He has received multiple recognitions for excellent contributions to field programs, scientific missions, and outstanding publications. Most notably, Matthias is a Fellow of both the Royal and American Meteorological Societies.

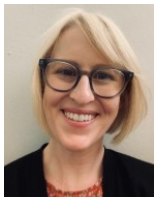
Alan Stolzer (Embry-Riddle Aeronautical University)

Dr. Alan Stolzer has more than 30 years of experience in academic administration positions, and is currently the Dean of the College of Aviation on Embry-Riddle Aeronautical University's Daytona Beach campus, where he is responsible for the academic and administrative oversight of college. He is Professor of Doctoral Studies and teaches Safety Management Systems (SMS) in ERAU's Ph.D. in Aviation program. Prior to joining ERAU, he was a department chair, associate dean, and faculty member at Parks College of Saint Louis University, where he worked for 22 years.

Alan is an active researcher, and was the principal investigator on several recent federally-funded grants related to aviation safety. He is the lead author on two books on SMS published by Ashgate Publications. His research focuses on the subjects of SMS, Aviation Safety Information Analysis and Sharing Systems, and Flight Operations Quality Assurance.

Alan holds a Ph.D. in Quality Systems from Indiana State University, and degrees from ERAU and the College of the Ozarks. He also holds an ATP, CFI, and an A&P certificate from the FAA, and was previously a DPE, issuing more than 100 certificates and ratings on behalf of the FAA; he has flown more than 8,000 hours pilot-in-command. Stolzer holds the Quality Auditor, Quality Engineer, and Quality Manager certifications from the American Society for Quality, and a Project Management Professional certification from the Project Management Institute. In 2014, he was elected a Fellow of the Royal Aeronautical Society.

Sarah Strazzo (Embry-Riddle Aeronautical University)



Dr. Sarah Strazzo is an Assistant Professor of Meteorology at Embry-Riddle Aeronautical University (ERAU). Before coming to ERAU, Sarah worked as a visiting assistant professor at the United States Military Academy and as a contract research scientist at the NOAA/NWS Climate Prediction Center.

Sarah's research interests include climate prediction on sub seasonal-to-seasonal timescales, statistical-dynamical forecasting methods, and assorted other topics in climatology, including aviation climatology. She is a member of the aviation weather teaching team at ERAU and recently collaborated with ERAU colleagues on a climatological analysis of density altitude errors over North America.

Jennifer Stroozas (NOAA NWS AWC)

Jennifer Stroozas has been the Warning Coordination Meteorologist at the National Weather Service Aviation Weather Center (AWC) in Kansas City, Missouri since May of 2021. Jennifer works closely with aviation partners to provide and enhance aviation weather and hazard services. She also leads aviation weather education and outreach efforts.

Previously, Jennifer served as the Meteorologist-In-Charge of the National Weather Service Center Weather Service Unit (CWSU) embedded within the FAA Air Route Traffic Control Center (ARTCC) in Kansas City, Kansas where she and her team provided aviation weather impact decision support services to the FAA Traffic Management Unit and air traffic controllers. She has also served as an Emergency Response Specialist Meteorologist and Incident Meteorologist with a focus on science communication and impact decision support services to the wildland firefighting community and emergency responders. She also has extensive experience in working with local, regional, and state emergency managers. Additionally, she has served as an operational forecaster in various geographic locations throughout her career.

Jennifer is passionate about science communication, building strong partner relationships, and leadership development. She attended UW-Madison from 1994-1998, earning her BS in Atmospheric and Oceanic Science.

Bob Thomas (Embry-Riddle Aeronautical University)

Dr. Robert "Bob" Thomas is an Associate Professor in the Aeronautical Science Department at Embry-Riddle Aeronautical University's Daytona Beach campus. Additionally, Bob serves as an FAA Designated Pilot Examiner and the Chief Ground Instructor for ERAU's 14 CFR 141 Pilot School Certificate. With 3000+ flight hours attained, Bob holds the following FAA certificates and ratings: Airline Transport Pilot ASEL & AMEL with CL-65 type rating, Gold Seal Flight Instructor ASE, AME, & Instrument-Airplane; Ground Instructor-Advanced; and Remote Pilot-sUAS. Bob completed his Ph.D. in Aviation from Embry-Riddle Aeronautical University with a specialization in Aviation Safety and Human Factors. His research interests include exploring VR/XR technology in flight training and spatial disorientation training as well as investigating training effectiveness of new technologies.

Scott Wagner (Embry-Riddle Aeronautical University)

Scott Wagner was hired as an Assistant Professor in January 2020. His educational background includes graduation from the United States Military Academy at West Point with a Bachelor of Science degree in Engineering as well as master's degrees from Embry Riddle Aeronautical University and the U.S. Army War College.

Most of Scott's 24-year Army career was spent in aviation assignments, flying helicopters and fixed wing aircraft. After completing his military career, he held program management and consulting roles with major defense contractors and he also served the Commonwealth of Pennsylvania as the Director of Aviation and was subsequently appointed Deputy Adjutant General for Veterans Affairs.

Scott enjoys teaching and flight training and previously worked at Embry Riddle as a Flight Instructor, Evaluator and Training Manager. He is a Certified Flight Instructor in airplanes and helicopters, and he holds an Airline Transport Pilot certificate with King Air, Shorts and Boeing 737 type ratings.

While at Embry Riddle, Scott has taught upper-level Aeronautical Science courses such as Turbine Engines, Aircraft Systems and Components, Aerodynamics, Flight Safety and Flight Physiology. He is currently the Course Monitor for Flight Physiology and manages the university's High Altitude Laboratory. Scott and his wife Betsy enjoy the Daytona Beach area. They have three grown sons and four grandchildren.

Scott Winter (Embry-Riddle Aeronautical University)

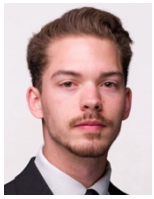
Dr. Scott Winter is an Associate Professor of Graduate Studies in the School of Graduate Studies and the Associate Dean for Research, College of Aviation at Embry-Riddle Aeronautical University, Daytona Beach. His primary responsibilities involve coordinating research initiatives for the college, establishing public and private research relationships, and teaching graduate-level courses in research methods, quantitative data analysis, and qualitative data analysis.

Scott maintains an active research agenda, which focuses on pilot decision-making and consumer perceptions toward automation. He has authored/co-authored over 100 peer-refereed journal articles, over 90 conference proceedings, and conducted more than $7M in external funding. He is currently working with 6 Ph.D. students as their dissertation chair, and he serves as a committee member on six other dissertation committees.

Scott completed his Ph.D. in the Aviation Technology Department at Purdue University in West Lafayette, Indiana (2013) and his undergraduate and master's degree at Minnesota State University, Mankato. His Bachelor's degree was in professional flight with a minor in geography (2005), and his Master's degree was in Cross-Disciplinary Studies (2006) with emphasis areas on aviation and education.

Scott was employed by Cirrus Aircraft in Duluth, Minnesota from October 2006 until December 2009. While employed with Cirrus, he worked as a member of the Flight Standards and Operations Department. In that role, he served as a company check airman and provided initial and recurrent training to company pilots. He also wrote a monthly website called Pilot's World that addressed safety and pilot training issues. Scott's time at Cirrus offered him the opportunity to gain experience working for one of the world's leading general aviation manufacturers and to fly one of the most advanced single-engine piston aircraft. He completed international training at Cirrus where he flew training missions in South Africa, Australia, Brazil, the Caribbean, England, France, Germany, and Poland.

Chandler Zuck (Embry-Riddle Aeronautical University)



Chandler Zuck is an undergraduate Meteorology student at Embry-Riddle Aeronautical University in Daytona Beach, Florida, minoring in Systems Engineering, Applied Mathematics, and Geographic Information Systems (GIS). He served as the elected Community Outreach Chair for the Embry-Riddle Student Chapter of the American Meteorological Society and National Weather Association from 2023 to 2024, and later was elected President in 2024 to serve until 2025.

Chandler's interests lie at the intersection of aviation and atmospheric/geological sciences. Having achieved his Private Pilot's License and high-performance endorsement in Alaska in 2021, Chandler is personally impacted by the weather and the role our changing climate has on aviation infrastructure. Serving the American public as an intern at the Federal Aviation Administration under the Office of NextGen in both the Aviation Weather Division (ANG-C) and the Systems Engineering and Integration Division (ANG-B), he hopes to continue learning and serving aviators and the flying public of the United States by advancing the industry of weather and climate in the aviation sphere.