

Spring 2025 FPAW Meeting

Embry-Riddle Aeronautical University (ERAU)
Henderson Welcome Center
600 S. Clyde Morris Blvd., Daytona Beach, FL 32114
(386) 226-6100

Meeting Room: Duva 1, 2 and 3 unless otherwise indicated

Meeting Agenda

Note: Main Session (#1, #3, #5) Days and Topics are set; Short Session Topics, All Presenters, Orders of Presentation, Times and In-Person Participation are subject to change

Key

Breaks or Lunch

Pre-Meeting Tours

Social Event

Virtual

FPAW Steering Committee (SC) Member

Day 1, Tuesday, April 1, 2025		
Start	Stop	Topic
0900E	0945E	Spring 2025 FPAW Meeting Opening Remarks and Keynote Address
0900E	0920E	ERAU Welcome and Keynote Address (Alan Stolzer/ERAU, Dean of the College of Aviation)
0920E	0930E	FPAW Co-Chairs Welcome (Matt Fronzak /MITRE and Matthias Steiner /National Center for Atmospheric Research (NCAR), FPAW Co-Chairs)
0930E	0935E	Recap of the Spring 2024 FPAW Meeting – Key Takeaways (Matthias Steiner /National Center for Atmospheric Research (NCAR), FPAW Co-Chair)
0935E	0945E	Goals and Objectives of the Spring 2025 FPAW Meeting (Matt Fronzak /MITRE, FPAW Co-Chair)
0945E	1140E	Session 1a – The Future of Airmen Weather Education, Training & Certification: From Theory to Practice
0945E	0950E	Opening Remarks (Nathan Polderman /United Airlines (UAL) and Scott Wagner/ERAU, Session Co-Leads)
0950E	1015E	Pilot Weather Knowledge and Product Interpretation (Bob Thomas/ERAU)
1015E	1040E	Pilot Weather Training Approaches and Challenges (Tom Guinn/ERAU)
1040E	1050E	Break
1050E	1115E	Problem-based Learning Approaches for Cross-Disciplinary Teaching (Gus de Azevedo/Oklahoma State University (OSU))

1115E	1140E	Research on Pilot Weather Self-Briefing Methodologies (Beth Blickensderfer/ERAU)
1140E	1240E	Lunch
1240E	1500E	Session 1b – The Future of Airmen Weather Education, Training & Certification: From Theory to Practice
1240E	1245E	Opening Remarks (Nathan Polderman /UAL and Scott Wagner/ERAU, Session Co-Leads)
1245E	1310E	Approaches to Dispatcher Training at ERAU (Godfrey D’Souza/ERAU)
1310E	1335E	Clearing the Skies: Weather Representativeness Issues in Aviation from the Lab, to the Classroom, and to the Airfield (Mike Splitt /Florida Institute of Technology (FIT))
1335E	1345E	Break
1345E	1410E	Enabling Extended Reality Enhanced Aviation Weather Training (<i>Michael Dorneich/Iowa State University</i>)
1410E	1450E	Panel Discussion – What is the Future of Airmen Weather Education and Training? (Ejaaz Cadinouche/ERAU, Alyssa Hayden/ERAU, Session 1 Presenters)
1450E	1500E	Wrap Up – What Did We Hear? (Nathan Polderman /UAL and Scott Wagner/ERAU, Session Co-Leads)
1500E	1600E	Session 2 – (AI &) Airmen Weather Education and Training
1500E	1600E	If the previous session is going strong at 1450E, we’ll continue the discussion. Or, If the previous session is winding down at 1450E, we’ll transition the conversation to AI and Airmen Weather Education Training Watch us be tactical!! (Nathan Polderman /UAL and Scott Wagner/ERAU, Session Co-Leads)
1600E	1730E	FPAW Social Event – ERAU Eagle Mixer
1600E	1605E	Welcome (Scott Winter/ERAU, Associate Dean of Research, College of Aviation)
1605E	1730E	Our hosts have graciously offered to sponsor this on-campus event, complete with light refreshments, which will enable in-person FPAW participants to mingle with ERAU students, faculty and administrators, and one another, in an informal setting. Please make sure to wear your Spring 2025 FPAW Meeting badges (with ERAU Eagle pins if appropriate) so that folks know who you are!

Day 2, Wednesday, April 2, 2025		
Start	Stop	Topic
0830E	0930E	<p>Pre-Meeting Tours (sign-up sheets available in the meeting room)</p> <ul style="list-style-type: none"> • Flight Operations (Herc Ferreira) • Advanced Flight Simulation Center (AFSC) (James Hanover) • Aviation Maintenance Science (AMS) Top Porch Overview (Ian Wheeler/Ustina Guirguis) • College of Aviation (COA) 1st Floor (John Robbins)
0930E	1200E	Session 3a – Exemplars of Effective Airmen Weather Education & Training
0930E	1010E	A Tour of ERAU Weather Training and Education Facilities (Sarah Strazzo/ERAU, Rob Eicher/ERAU and ERAU Weather Tutors)
1010E	1015E	Opening Remarks (Gus de Azevedo/OSU and Sarah Strazzo/ERAU, Session Co-Leads)
1015E	1050E	COMET Aviation Weather Education <i>(Lee-ann Simpson/COMET and Frank Brody/COMET)</i>
1050E	1105E	Break
1105E	1150E	Panel Discussion: Effective Airmen Weather Education and Training from the Perspectives of the Educators <i>(Rick DiMaio/Lewis University, Dan Halperin/ERAU, Debbie Schaum/ERAU, Katie Sims/UND, Mike Splitt/FIT)</i>
1150E	1200E	Wrap Up: What Did We Hear? (Gus de Azevedo/OSU and Sarah Strazzo/ERAU)
1200E	1300E	Lunch
1300E	1500E	Session 3b – Exemplars of Effective Airmen Weather Education & Training
1300E	1305E	Opening Remarks (Gus de Azevedo/OSU and Sarah Strazzo/ERAU, Session Co-Leads)
1305E	1330E	ERAU Dispatcher Weather Education and Training Victor Fraticelli/ERAU
1330E	1355E	Delta Air Lines (DAL) Dispatcher Weather Education and Training Brian Myszkowski/DAL
1355E	1440E	Panel Discussion: Effective Airmen Weather Education from the Perspectives of the Students <i>(Lydia Bunting/OU-CIWRO, Mila Eberly/ERAU, Kiana McQuade/Infinity Flight Group CFI, Kerrick Ray/OSU, Chandler Zuck/ERAU)</i>
1440E	1450E	Wrap Up – What Did We Hear? (Gus de Azevedo/OSU and Sarah Strazzo/ERAU, Session Co-Leads)
1450E	1500E	Break
1500E	1600E	Session 4 – Specialized Aviation Weather Updates
1500E	1530E	NOAA NWS AWC Aviation Weather Testbed (AWT), Graphical Forecast for Aviation (GFA) Updates <i>(Jennifer Stroozas/NOAA NWS AWC)</i>
1530E	1600E	Modernization of Remote Weather Sensing in Alaska <i>(Andy McClure/Aviation Resource Consulting)</i>

Day 3, Thursday, April 3, 2025

Start	Stop	Topic
0830E	0930E	<p align="center">Pre-Meeting Tours (sign-up sheets available in the meeting room)</p> <ul style="list-style-type: none"> • Design, Build, Fly (DBF) (Camdyn Doucette, student) • Embry-Riddle Future Space Explorers and Developers Society (ERFSEDS) (Rebecca Zurek, Student) • Gas Turbine Lab (Mark Ricklick) • Flight Dynamics and Controls Lab (Hever Moncayo, Richard Prazenica, Rocio Jado Puente and Edison Martinez Samaniego) • Aircraft Design Lab (Alberto Mello)
0930E	1200E	Session 5 – A “Solutioning” Session: Implementing Our Ideas
0930E	0935E	Opening Remarks (Matt Fronzak /MITRE and Matthias Steiner /NCAR, Session Co-Leads)
0935E	0945E	Day 1 Session 1 Recap and Key Takeaways (Nathan Polderman /UAL and Scott Wagner/ERAU, Session Co-Leads)
0945E	0955E	Day 2 Session 3 Recap and Key Takeaways (Gus de Azevedo/OSU and Sarah Strazzo/ERAU, Session Co-Leads)
0955E	1150E	The FPAW audience (in-person and virtual) will debate, discuss and identify potential solutions to airmen weather education, training and certification shortfalls. Upon completion, FPAW will then aim to develop and promote one or more positions to call attention to the shortfalls, or pass along the shortfalls as problem statements to the responsible organization.
1150E	1200E	Wrap Up – What Did We Hear? What Will We Do? (Matt Fronzak /MITRE and Matthias Steiner /NCAR, Session Co-Leads)
1200E	1300E	Lunch
1300E	1400E	An FPAW Colloquium
1300E	1400E	<p>“Low Altitude Aviation Weather – The Rodney Dangerfield of the Weather World” (Rex Alexander/Vertical Flight Society and 5-Alpha LLC)</p> <p>Invited speaker Rex Alexander, who will be coming to us virtually from Sun ‘n Fun in Lakeland, will provide insights on flying in low altitude and urban environments from the perspective of someone who has been there, done that, and lived to tell the tale.</p>
1400E	1410E	Break
1410E	1500E	Session 6 – FPAW Organizational Update and Mini-Planning Meeting
1410E	1430E	<p>FPAW Organizational Update (Matt Fronzak/MITRE and Matthias Steiner/NCAR, FPAW Co-Chairs)</p> <p>The FPAW Co-Chairs will share organizational items of interest, including the need to backfill an in-term opening on the FPAW Steering Committee and, with the help of Rick Curtis, share the status of the ADS-B Wx White Paper.</p>
1430E	1500E	<p>FPAW Mini-Planning Meeting and Q&A (Matt Fronzak/MITRE and Matthias Steiner/NCAR, FPAW Co-Chairs)</p> <p>The FPAW Co-Chairs will provide the latest information about upcoming FPAW meetings, and be prepared to receive input from the FPAW community.</p>