



# Friends & Partners in Aviation Weather

## Spring 2023 Planning Meeting



**Matthias Steiner**



National Center for Atmospheric Research  
msteiner@ucar.edu



**Matt Fronzak**

The MITRE Corporation  
mfronzak@mitre.org

Submit a topic: <https://fpaw.aero/form/submit-a-topic>

# Fall 2023 FPAW Meeting

## Dates – October/November 2023

- Potential conflicts – Holidays, Festivals/Events, Major Meetings, etc.
  - Columbus/Indigenous Peoples' Day – October 9, Halloween – October 31, Election Day – November 7, Veterans Day – November 10, Thanksgiving – November 23
  - NBAA-BACE in Las Vegas, NV – October 17-19
  - ATCA Global – Washington, DC – November 1-3
- Suggested FPAW meeting dates
  - 3 – 5 October 2023, 24 – 26 October 2023, **14 – 16 November 2023**

## Location

- Washington, DC area (move Washington, DC area meeting to Fall, for Federal budget planning purposes)
- **The MITRE Corporation, McLean, VA\***
  - Due to construction, original FAATC location in ACY was ruled out

# Fall 2023 FPAW Meeting

## Main Topic #1

- **Climate Change and Aviation** (4 hours)
- **Tammy Flowe/FAA and Tim Rahmes/Boeing**
  - Description and cataloging of operational and infrastructure affects of climate change
  - Aviation impacts on climate system
  - Impacts on both current and future operations (OK, so now what?)

## Main Topic #2

- **Testbed Activity – End User Engagement in the R2O Process Part Deux** (4 hours)
- **Ian Johnson/FAA and Sonia Alvidrez/FAA**
  - Tour of WJHTC may be interesting (need list of attendees for approval)

## Main Topic #3

- **Review of Inputs to ANG-C6 Portal**
- **Brandon Smith/FAA and Matt Eckstein/Delta Air Lines**

## Short Sessions

- **Updates to Prior FPAW Topics (Darr)**
  - Wx COI update
- **FPAW Organizational Updates (Fronzak, Steiner)**
- **FPAW Planning Meeting (Fronzak, Steiner)**

# Spring 2024 FPAW Meeting

## Dates – April/May 2024

- Potential conflicts – Holidays, Festivals/Events, Major Meetings, etc.
  - Cherry Blossom Festival (DC) March 20 – April 14, Easter – March 31, Sun n' Fun – April 9-14, Tax Day – April 15, Space Weather Workshop – April 15-19, Mother's Day – May 12, Memorial Day – May 27
  - ATCA Tech Symposium in Atlantic City, NJ – tbd
  - AUVSI XPONENTIAL in San Diego, CA – April 22-25
  - EBACE in Geneva, Switzerland – May 28-30
- Suggested FPAW meeting dates
  - April 1-5, ~~April 8-12~~, ~~April 15-19~~, April 29 - May 3, May 6-10, May 13-17, May 20-24, June 3-7

## Location

- TBD
- Will Hill - Google

# Spring 2024 FPAW Meeting

Location:

- Airlines hubs: Atlanta, Chicago, Houston, Newark, others

## Main Topic #1

- **Legacy Operator Perspectives on Aviation Weather Information Gaps** (4 hours)
- **Nathan Polderman/United Airlines**
- Part I: Legacy Operators (Part 121, 91, 91K, 135) – flesh this out from legacy operator perspective
  - Potential panelists: Skywest AOC
  - NTSB weather-related accident perspective (Don Eick, Paul Suffern)
  - Is AAM becoming like a new “regional carrier”? – intro to topic

## Main Topic #2

- **Emerging Operator Perspectives on Aviation Weather Information Gaps** (4 hours)
- **TBD**
- Part II: Emerging Operators (Advanced air mobility operators like Joby Aviation, Archer, Zipline, others)
  - Remote pilots to autonomy – requires real-time micro-weather guidance, autonomy requires sensing capabilities on vehicle
    - Operators may include vertiports
    - Requirements are different based on type of aircraft/operation – cargo or passenger

## Main Topic #3

- Data-centric discussions etc.
- Ground-based & airborne data efforts (Synoptic Data)
- Google data interests

## Short Sessions

- **Updates to Prior FPAW Topics (Darr)**
- **Doug Lotter - AI and Aviation Weather (Lead)**
- **FPAW Organizational Updates (Fronzak, Steiner)**
- **Steve Darr - Panel Discussion Synthesizing Main Topics 2 and 3**

# Comments

- Jen Stroozas – need to figure out a better way to engage the user community during the FPAW Meeting (i.e., during a 3-4-hour session, 1-2 hours of presentation, 1 hour of problem statement ID and discussion, 1 hour of potential solution ID and discussion).
- Bruce Landsberg – overwhelmed by “climate change” discussions. Need data about changes in rate of weather impacts (e.g., turbulence, convection), ID of related problems and discussion of potential solutions.
- Stephanie DiVito – reminds the group that there are multiple types of users, and aviation weather gaps are frequently different from their perspectives