

TURBULENCE MITIGATION WORKSHOP IV

November 8-10, 2021

Hosted by the National Center for Atmospheric Research (NCAR) and the MITRE Corporation

Supported by the Federal Aviation Administration (FAA)

Virtual

Workshop Agenda

Day 1 Nov 8, 2021, 0900 – 1300 EST: Emerging Science of Aviation-scale Turbulence Detection, Forecasting, and Characterization

[Times in EST]

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| 0900-0915 | Welcome, Logistics |
| 0915-0945 | Keynote: Steve Bradford, FAA Chief Scientist-Architecture and NextGen Development, “Charting Aviation’s Future” |
| 0945-1005 | Matt Strahan, National Weather Service (NWS): “International Civil Aviation Organization (ICAO) Turbulence Requirements” |
| 1005-1025 | Dean Lockett, World Meteorological Organization: “World Meteorological Organization and Data Sharing Policies” |
| 1025-1045 | Piers Buchanan et al., Met Office (United Kingdom(UK)): “A Global Turbulence Climatology Supporting Turbulence Forecasting at the Met Office” |
| 1045-1055 | Break |
| 1055-1115 | Olivier Jaron and Pierre Crispel, Meteo France: “Use of the Action de Recherche Petite Echelle Grande Echelle (ARPEGE) Ensemble Forecast for the Prediction of Aeronautical Turbulence” |
| 1115-1135 | Paul Williams, University of Reading, UK: “Impacts of Climate Variability and Climate Change on Clear Air Turbulence” |
| 1135-1155 | Ulrich Schumann, Andreas Dörnbrack, Peter Bechtold, DLR (/German Aerospace Center), Germany: “Measurements of High-Altitude Turbulence from Research Aircraft” |
| 1155-1215 | Julia Pearson, National Center for Atmospheric Research (NCAR): “Graphical Turbulence Guidance-Nowcast (GTGN) Update” |
| 1215-1225 | Break |
| 1225-1245 | Open Discussion |
| 1245-1300 | Session Wrap Up |