

ARAM Report, 2012

The Aviation, Range, and Aerospace Meteorology (ARAM) Committee held one event in 2012. The Third Aviation, Range and Aerospace Meteorology Special Symposium on Weather-Air Traffic Management Integration was held January 25, 2012 at the AMS annual meeting in New Orleans, Louisiana (<https://ams.confex.com/ams/92Annual/webprogram/3ARAM.html>). Program Chairs were Mike Robinson of AvMet Applications Inc. and Timothy D. Oram of NOAA/NWS.

Session topics in the 3rd ARAM Special Symposium were (1) Convective Weather Decision Support and ATM Integration, (2) Modeling and Forecast Techniques Supporting Air Traffic and Range Operations, (3) Matching Air Traffic Operational Needs to Aviation Weather Capabilities, and (4) Air Traffic Impacts/Decision-Making for Non-Convective Weather and Aviation/Range Weather Observing Systems. There was also a corresponding poster session.

While at New Orleans for the AMS Annual Meeting, the ARAM Committee conducted an in-person committee breakfast business meeting on January 24th. The agenda and meeting notes is at http://www.ametsoc.org/stacpges/aram/reports/aram_agenda_2012.pdf. In cooperation with AMS, ARAM experimented with using a computer connection to allow members to participate virtually if they could not attend physically. There were 13 members in physical attendance and 5 more in virtual attendance. The ARAM Committee held a telecom on February 17, 2012 to complete discussion on some topics for which there was not adequate discuss time at the New Orleans meeting. Nine members participated. Notes from the telecom are included in the above-referenced meeting file as an addendum.

ARAM prepared for the 16th Conference on Aviation, Range, and Aerospace Meteorology, to be held January 6-10, 2012 in Austin, Texas (<https://ams.confex.com/ams/93Annual/webprogram/16ARAM.html>). The Program Chair is Matthias Steiner of NCAR, assisted by David Pace, recently retired from the FAA. Session topics will include (1) From Weather Research to Operations [joint session with the Third Conference on Transition of Research to Operations], (2) Icing Hazard Characterization, Diagnosis and Prediction, (3) Impacts of Aviation on Environment, (4) Emerging Sensors and Observing Capabilities, (5) Turbulence Characterization, Diagnosis and Prediction, (6) Paths Less Traveled: En-route Wake Vortex and Volcanic Ash, (7) Weather Integrated Decision Support, (8) The Application of Artificial Intelligence in the Field of Aviation, Range, and Aerospace Meteorology [themed joint session with the 11th Conference on Artificial and Computational Intelligence and its Applications to the Environmental Sciences], (9) Lightning Impacts on Aviation and Space Launch [joint session with the Sixth Conference on the Meteorological Applications of Lightning Data], (10), Numerical Weather Prediction for Aviation and Test Ranges, (11) Benefits Assessment, (12) Programmatic, Policy and Regulatory Aspects, and (13) Weather Guidance for Airports, Test Range and Space Launch Facilities. There will also be associated poster sessions on various topics.

ARAM will conduct its third Best Student Paper Award competition at the 16th ARAM conference in Austin. This award is to recognize outstanding student contributions based on an evaluation of both the submitted written paper and corresponding oral or poster presentation.

Contenders for the award will have to be enrolled at a University (either at the undergraduate or graduate level), be the lead-author, and personally make the presentation of their work. The manager of the ARAM student recognition program is Matthias Steiner, assisted by Mike Robinson.

ARAM updated and kept current its web page at <http://www.ametsoc.org/stacpges/aram/>. This page, managed by ARAM member Bjarne Hansen, is separate from the AMS STAC web page on ARAM at <http://www.ametsoc.org/stacpges/CommitteeDisplay/CommitteeDisplay.aspx?CC=AVIATION>.

ARAM has begun preparation for its Fourth Aviation, Range and Aerospace Meteorology Special Symposium, to be held in Atlanta, Georgia in January 2014 at the AMS Annual Meeting. The ARAM program chairs will be John R. Mecikalski of the University of Alabama in Huntsville and Chip West of NOAA/NWS.

ARAM Committee members in 2012 included David J. Pace (chair), John Murray, Timothy D. Oram, Jeffrey A. Weinrich, Katherine A. Winters, Bjarne K. Hansen, John J. Huhn, Jr., Alister Ling, Michael Robinson, Edward H. Teets, Jr., Charles A. West, William H. Bauman III, Franzeska F. Houtas, Kevin Johnston, John R. Mecikalski, Timothy H. Miner, Matthias Steiner, and Taumi Daniels.