

ARAM Report, 2011

The Aviation, Range, and Aerospace Meteorology (ARAM) Committee held two events in 2011. First, the Second Aviation, Range and Aerospace Meteorology Special Symposium on Weather-Air Traffic Management Integration was held in Seattle, Washington in January of 2011. Program chairs were Marilyn M. Wolfson, MIT Lincoln Laboratory and Dr. Craig Wanke, The MITRE Corporation.

There were sessions on Weather - ATM Integration and Translation: Model and Realization, Probabilistic Weather Avoidance and Traffic Flow Management, Meeting Aviation Weather Requirements, Summary of Weather - ATM Integration Technology, Computational intelligence methods in aviation weather (Joint with the Ninth Conference on Artificial Intelligence and its Applications to the Environmental Sciences), the Use of Lightning Data in Aviation Operations (Joint with the Fifth Conference on the Meteorological Applications of Lightning Data), High Resolution Simulations, and Applications for Aviation (Joint with the 24th Conference on Weather and Forecasting and with the 20th Conference on Numerical Weather Prediction). ARAM also held a committee business meeting at the Atlanta AMS meeting.

The second event was a full four-day conference: the 15th Conference on Aviation, Range, and Aerospace Meteorology, held in Los Angeles, California in August 2011. The program chair was Cecilia Miner, NOAA/NWS, Silver Spring, MD. This conference was held jointly with the 14th Conference on Mesoscale Processes. ARAM held sessions on Turbulence and Wind Shear, Nowcasting and Modeling, General Topics in Aviation, Range, and Aerospace Meteorology, Probabilistic Forecasting for ARAM, Range, Aerospace, and Environmental Meteorology, the Next Generation Air Transportation System (NextGen), In-flight Icing, and Convection, Decision Support Systems and Air Traffic Management.

ARAM conducted its second Best Student Paper Award competition at the 15th ARAM conference in Los Angeles, California. This award recognizes 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.

This year's ARAM Best Student Paper Award was won by Jung-Hoon Kim of Yonsei University in Seoul, South Korea for his contribution "A numerical study on convectively induced turbulence (CIT) encounter above a dissipating deep convection" (paper 1.2). Jung-Hoon received a certificate and prize of \$200 for placing first in this competition. An announcement of the award winner was made in BAMS.

Matthias Steiner facilitated the best student paper award with a handful of volunteer judges. Each contender was evaluated by at least three judges independently utilizing an evaluation sheet and providing scores based on various criteria. The winner was assessed based on the overall scores among all contenders. The next ARAM Best Student Paper award competition will take place in January 2013 during the 16th ARAM Conference, as part of the 93rd AMS Annual Meeting in Austin, Texas.

ARAM prepared for its Third Aviation, Range and Aerospace Meteorology Special Symposium on Weather-Air Traffic Management Integration, to be held in New Orleans, Louisiana in January 2012 at the AMS Annual Meeting. The ARAM program chairs will be Mike Robinson of AvMet Applications, Inc. and Tim Oram, NOAA/NWS.

ARAM Committee members in 2011 included Mr. David J. Pace (chair), Mr. Ryan K. Decker, Dr. John R. Mecikalski, Dr. Matthias Steiner, Mr. James G. Stobie, Mr. John Murray, Mr. Timothy D. Oram, Mr. Jeffrey A. Weinrich, Ms. Katherine A. Winters, Mr. Bjarne K. Hansen, Mr. John J Huhn Jr., Mr. Alistair Ling, Michael Robinson, Mr. Edward H. Teets, Jr., Dr. Charles A. West, Mr. Taumi Daniels.