

18th Conference on Air-Sea Interaction

On 9–13 July, we held our 18th Conference in conjunction with the 20th Symposium on Boundary Layers and Turbulence. The venue was the Westin Copley Hotel in Boston, MA. Justin Small and Huai-min Zhang were co-chairs, and Maggie Anguelova handled arrangements for the student activities. Jennifer Ives and Judith Ziemnik were our AMS meeting coordinators.

The Air-Sea Conference consisted of about 135 orals (of which 70 were joint with the Boundary Layer and Turbulence Symposium), in addition to 43 poster presentations (of which 13 were joint), and one invited keynote talk. A reception took place at both the poster presentations, on Monday and Tuesday evening.

James Edson of University of Connecticut gave an enthusiastic plenary talk, on the recent Dynamics of the Madden-Julian Oscillation (DYNAMO) field campaign, which has gathered extensive air and sea measurements in an active Madden-Julian Oscillation season in the Indian Ocean. This set the stage for a day of talks on this field campaign. Larry Mahrt (OSU) gave an engaging talk on small-scale turbulent processes in the corresponding Boundary Layer Plenary.

The topics covered by the conference ranged the full spectra of Air-Sea, Ocean and Atmosphere Boundary Layer processes, including Coastal and Marine Boundary Layers: measurements and parameterization of air-sea heat, momentum and gas fluxes: surface processes including spray, bubbles and aerosols: Air-Sea Flux Datasets: air-sea exchange in high wind speed conditions: Renewable Energy: and the Role of Air-Sea Interaction in Climate Change and Variability.

Participants were international, including scientists from North and South Americas, Europe, Asia, and Africa. The AMS 2012 Fofonoff Award was presented by Dr Susan Avery to Dr. Louis St. Laurent of Woods Hole Oceanographic Institution for his "fundamental contributions to our understanding of small-scale mixing processes in the ocean and the different dynamical processes involved."

As usual with conferences in this series, this meeting included a best-student-paper competition. The following students received cash awards for their contributions. The award for best oral presentation went to Ángel F. Adames from the University of Washington, and the award for best poster went to Henry Potter from Rosenstiel School of Marine and Atmospheric Science, University of Miami, FL. Two second best oral presentations were given: Heather Hornick from Naval Postgraduate School, Monterey, CA., and Marc Buckley from the University of Delaware. Second best poster was awarded to David James Tupman from University of Leeds, UK. As with past Conferences, our Committee gave each student presenter a complimentary copy, this year being "Eloquent Science" by David Schultz, a primer aimed at students wishing to produce quality presentations and publications.

A Conference highlight was a "Ducktour" of old Boston and Boston Harbor which was well attended, particularly by the international contingent. Also during this Conference, our Air-Sea Committee had a luncheon meeting on Wednesday to discuss our various activities. Six current members attended as did Keith Seitter, Claudia Gorski, and Judith Ziemnik of AMS. The attendees agreed the conference was going well and was well attended. The discussion was mainly on the choice of potential new members, and the venue and format of the next conference.

Justin Small, Huai-min Zhang, Maggie Anguelova, Jeff Hare
AMS Committee on Air-Sea Interaction