

Air-Sea Interaction 2007 Annual Report

The AMS STAC Air-Sea Interaction (ASI) Committee has been involved in a number of conference activities and administrative tasks over the past year. In terms of conference activity, the Committee held its 15th Conference on Air-Sea Interaction. In addition, members and past members of the Committee participated in the planning and administration of sessions at two other conferences. The Committee will be participating in a STAC session at the 88th AMS Annual Meeting. Finally, the Committee has begun planning for its 16th Conference on Air-Sea Interaction. As for administrative tasks, the Committee developed and has begun to implement a plan for a more evenly distributed membership tenure. Details follow.

15th Conference on Air-Sea Interaction

The 15th Conference on Air-Sea Interaction was held 20-23 August 2007 in Portland, OR. Committee members Edgar Andreas, Ralph Foster, and Daniel Vimont served as Conference co-Chairpersons. A summary of the Conference, authored by Edgar Andreas, Daniel Vimont, and Ralph Foster, has been submitted to *Bull. Amer. Meteor. Soc.* for publication.

The ASI Conference was held jointly with the 14th Conference on Middle Atmosphere. The final program listing for the ASI Conference can be viewed at http://ams.confex.com/ams/15isa14m/techprogram/programexpanded_420.htm. The ASI Conference hosted 56 oral presentations and 16 poster presentations. In addition, joint sessions with the Middle Atmosphere Conference hosted 7 oral presentations and 6 poster presentations.

Ralph Foster coordinated the ASI Conference student awards. The following is a summary of those awards:

Best Oral: 1.4, Observations of large-scale ocean-atmosphere interaction in the Southern Hemisphere. Laura M. Ciasto, Colorado State University, Fort Collins, CO; and D. W. J. Thompson.

Second Place Oral: 11.6, The effects of rainfall on the ocean surface at low wind speed. Emily L. Harrison, University of Delaware, Lewes, DE; and F. Veron.

Best Poster: P1.13, Using QuikSCAT-derived surface winds and a GCM to improve predicted wind speed variability and ocean surface fluxes. Scott Capps, University of California, Irvine, Irvine, CA; and C. S. Zender.

Second Place Poster: P1.14, Satellite estimate of specific humidity over the ocean using microwave radiometry. Abdou Aziz Mbengue, CETP, Vélizy Villacoublay, France; and D. Bourras and S. Janicot.

First place winners each received \$100 and a certificate; second place winners received \$75 and a certificate. In addition, each student presenting at the ASI Conference received an AMS Glossary of Meteorology, at a total cost of \$630.

The remainder of the \$1500 conference allotment was used to offset the conference costs for two scientists traveling from overseas.

Summary of other Conference Planning and Participation

The Committee co-hosted an oral session at the 19th Conference on Climate Variability and Change, 15-18 January 2007, San Antonio, TX. The session, Interaction of the Sea and Atmosphere, was held 17 January 2007 and contained 10 oral presentations. Details of the session are at http://ams.confex.com/ams/87ANNUAL/techprogram/session_19802.htm. Committee member Axel Timmermann helped organize the session. Committee member Lisan Yu served as session Chairperson.

The Committee co-hosted an oral session at the CMOS-CGU-AMS Congress 2007, 28 May - June 1 2007, St. John's, Newfoundland and Labrador, Canada. The session, Influence of Sea Ice on the Atmosphere, was held 31 May 2007 and contained 6 oral presentations. Details of the Congress can be viewed at <http://www.cmos2007.ca/images/upload/Image/congress.pdf>. Past Committee Chairperson Michael Alexander helped organize the session and served as session Chairperson.

The Committee has been invited to participate in a session at the 88th AMS Annual Meeting that is intended to provide a forum for STAC Committees to share and compare experiences related to the transitions from research to applications, with an emphasis on actual and potential societal benefits. The session, Enhancing the Connectivity between Research and Applications for the Benefit of Society, will be held 24 January, 2008, in New Orleans, LA. Edgar Andreas will be representing the ASI Committee on stage, and Committee Chairperson Todd Sikora is helping Edgar prepare the presentation.

The 16th Conference on Air-Sea Interaction will be held in conjunction with the 89th AMS Annual Meeting in Phoenix, AZ, in January 2009. Committee member William Perrie has agreed to serve as Program Chairperson for this conference. Conference co-Chairpersons have not yet been identified.

Administrative Tasks

The distribution of three-year term membership on the Committee was not even. Thus, the Committee developed and has begun to implement a plan for a more evenly distributed membership tenure. The goal of this plan is to better preserve corporate memory and continuity. That plan follows.

Axel Timmerman and Dan Vimont will be rotating off the Committee effective at the 88th AMS Annual Meeting. Axel Timmerman will be replaced by Yuko Okumura. Dan Vimont will be replaced by Ernesto Muñoz.

Edgar Andreas was also scheduled to rotate off the Committee effective at the 88th AMS Annual Meeting. Edgar has agreed to serve an additional year as a general member and to serve an additional two years as Committee Chairperson, beginning when Todd Sikora leaves the

Committee effective at the 89th AMS Annual Meeting. Todd Sikora's membership on the Committee will not be replaced.

Ralph Foster and Will Perrie were scheduled to rotate off the Committee effective at the 89th AMS Annual Meeting. They have each agreed to serve an additional year as general members. They will rotate off the Committee effective at the 90th AMS Annual Meeting. They both will be replaced by three-year members.

The end result is that the Committee membership will be reduced by one person to nine members, and three members will rotate off the Committee each year.