

## **19th Conference on Air-Sea Interaction**

The 19<sup>th</sup> Conference on Air-Sea Interaction, sponsored by the American Meteorological Society, and organized by the AMS Committee on Air-Sea Interaction, was held 4–8 January 2015, as part of the 95th AMS Annual Meeting in Phoenix, Arizona. The venue was the Phoenix Convention Center, North Building. Magdalena Angelova, Young-Oh Kwon, and Henry Potter were ASI conference program co-chairs, and Tetsu Hara was the student coordinator. Jennifer Ives was our AMS meeting coordinator.

The ASI Conference consisted of 139 presentations, 108 talks and 31 posters. The talks were grouped in 14 ASI sessions (74 talks) and 4 joint sessions (34 talks). The joint sessions were with the 13th Symposium on the Coastal Environment (8 talks), the 17th Conference on Atmospheric Chemistry (14 talks), the Third Symposium on Prediction of the Madden-Julian Oscillation (6 talks), and the 20th Conference on Satellite Meteorology and Oceanography (6 talks). Participants (about 115) were international, including scientists from the USA, Canada, UK, France, Ireland, Germany, Japan, and Australia. Three colleagues who submitted abstracts could not attend due to visa issues, two from China and one from UK.

After the Presidential forum on Monday morning, the ASI conference started with a keynote talk by Dr. Ken Melville on “Recent Developments in Air-Sea Interaction Research: Laboratory, Field and Modeling Studies.” This talk was also part of the new AMS series of Core Science Lectures. We had 15 invited speakers, 2 of them in the joint sessions.

The 19<sup>th</sup> ASI conference hosted two town hall meetings. On Tuesday evening, we held 2-hours long discussion on “Wind-wave-current interactions, high winds, and tropical cyclones” moderated by Dr. Isaac Ginis and with introductory remarks by Dr. Alexander Babanin. On Wednesday, during lunch time, we held the second town hall meeting “Hotspot Project”: What can we learn and what's next?”, organized and moderated by Dr. Hisashi Nakamura. Both meetings were well attended. There was a feeling that the Hotspot Project meeting could have been even better attended if lunch was provided.

This year, 34 students attended the ASI conference; we had 25 students in 2012, and 10 students in 2010. The ASI committee organized two events for the students—Best paper competition and Mentor-Student Networking reception.

We had 27 student abstracts participating in the Best paper competition, 14 talks and 13 posters. Tetsu Hara saw through the organization of every aspect of the Best paper competition. He solicited 13 judges, distributed evaluation forms, collected the results, and determined the winners. Each presentation was evaluated by at least 3 and often 4 judges. We used \$700 from the \$1500 AMS funds for cash awards for the student competition distributed as \$200 for 1<sup>st</sup> place and \$150 for 2<sup>nd</sup> place for each oral and poster format. The winners are: The award for best oral presentation went to Mark Buckley from the University of Delaware for “Experimental study of the wind stress above waves.” The award for best poster went to Richard C.Z. Zhang from the New York University for “Transient Separation-Like Airflow over Wind Waves and Its Impact on Air-sea Momentum Flux.” The second-place oral presentation was awarded to Sophia Brumer from the Columbia University for “Wave breaking and sea state dependence of gas transfer velocities.” The runner-up poster prize was awarded to Heather Holbach from the

Florida State University for “Wave and Wind Direction Effects on SFMR Brightness Temperatures.”

On Monday evening, we held a networking reception for all registered students and mentors; the ASI invited speakers, the session chairs, and the ASI committee were invited as mentors for this event. We used \$800 of the AMS funds of \$1500 for the reception. In order to ensure more resources for this event, we teamed up with the 20<sup>th</sup> Conference on Satellite Meteorology and Oceanography, 11th Symposium on New Generation Operational Environmental Satellite Systems, and the 3rd AMS Symposium on the Joint Center for Satellite Data Assimilation (JCSDA). In addition, we prepared a proposal and approached several external sponsors. We successfully obtained additional \$3000 from Tempus Global Data, Ogden, UT. The sponsor was acknowledged with a PowerPoint presentation during the reception. With a raffle, we gave to 10 students the book “Eloquent Science” by David Schultz, a primer aimed at students wishing to produce quality presentations and publications. The reception is a popular event among students as it gives them possibility to closely interact with both well-established and early-career scientists.

The ASI Committee had a luncheon meeting on Tuesday to discuss our various activities. Seven current and one new (Larry O’Neil) members attended as did Ken Carey, chair of the SatMet committee, Derek Posselt, conference chair for SatMet, and Jenifer Ives of AMS. The attendees agreed the conference was going well and was well attended. We also discussed with Ken Carey the time and venue of the next conference and with Derek Posselt possible topics for joint sessions.

### **Conference Committee**

Magdalena Anguelova, Young-Oh Kwon, Henry Potter, Tetsu Hara

### **AMS Committee on Air-Sea Interaction**

Justin Small, Chair

Shenfu Dong, Tetsu Hara, Huai-Min Zhang, Kit-Yan Choi, Young-Oh Kwon, Emily Harrison, Henry Potter, Christopher Zappa, Magdalena Anguelova