

## 39<sup>th</sup> Conference on Radar Meteorology

The 39<sup>th</sup> Conference on Radar Meteorology was held from 15 to 20 September 2019 in Nara, Japan. The conference began with two keynote presentations; “An Early History of Tropical Rainfall Measuring Mission TRMM –The First Satellite Borne Precipitation Radar–” by Dr. Nobuyoshi Fugono, and “Personal Recollections of Radar Meteorology and the AMS Conference” by Dr. Roger Wakimoto. The topics submitted were wide-ranging across many sub-disciplines within radar meteorology and were divided into the following sessions:

1. Spaceborne Radar and Its Observation
2. Phased Array Radar Technology and Its Observation
3. Wind Profiler, Cloud Radar, and NonHydrometeorological Radar
4. New and Emerging Radar Technology
5. Radar Networks, Quality Control, Processing and Software
6. Quantitative Precipitation Estimation and Hydrology
7. Microphysical Studies with Radars
8. Organized Convection and Severe Phenomena
9. Use of Radar Data for Nowcasting and Numerical Models

There were 488 abstracts submitted and 426 attendees traveling from 26 countries/regions around the world. Thanks to our sponsors and supporters, we were able to waive registration fees for seven students and provide airfare for ten participants. Furthermore, four researchers from developing countries in Asia were invited with support for their airfare and accommodations.

The Spiros G. Geotis Student Prize was awarded to David Schwartzman from the University of Oklahoma. The Best Student Oral Presentation awards went to Karly Jackson Reimel of the Pennsylvania State University (first place), Jose Dias Neto of University of Cologne (second place) and Andrew Byrd of the University of Oklahoma (third place), and the Best Student Poster Presentation awards went to Giulia Giani of University of Bristol (first place), Jordan Palmer Brook of the University of Queensland (second place) and Andrew Mahre of the University of Oklahoma (third place).

Five short courses were held including: Spaceborne radar; Fundamentals and New Trends of Dual-Polarized Phased Array Antennas for Weather Radar Applications; Wind profiler; Open Sources; and Applications of Dual-pol radar measurements.

This was the first AMS Radar Conference to be held in Asia. This was very significant as there has been a great desire by many Asian radar meteorologists to attend such a conference but who were unable to because of travel constraints. Holding the AMS Radar Conference in Japan not only did not diminish overseas participation but increased the potential for new collaborations among the worldwide radar community. The response to the location has been extremely positive by all attendees and we hope that Japan will again be considered as a host location.

The 39<sup>th</sup> Conference on Radar Meteorology highlighted the diverse range of high-level research and application activities across disciplines including technology advancement, measurement and retrieval science, atmospheric process studies and applications in operational radar networks.