

EMS Young Scientist Travel Award Report

10th European Conference on Radar in Meteorology & Hydrology

Ede, The Netherlands – 1st – 6th July 2018

The 10th European Conference on Radar in Meteorology & Hydrology (ERAD) convened in Ede, The Netherlands, from Sunday 1st to Friday 6th July 2018. The conference takes place biennial, with the purpose of assembling researchers, engineers, operators and end users in the field of weather radar.

Initially, I would like to thank the European Meteorological Society for bestowing me with the Young Scientist Travel Award in order to attend the ERAD 2018 conference; the award is a great honour and privilege to receive. Furthermore, I would like to thank Hidde Leijnse (KNMI) and Remko Uijlenhoet (WUR) who chaired ERAD 2018 and presented me with the award. Both chairs organised a fantastic conference and were very friendly when welcoming me into the weather radar community. Also, I would like to thank Alessandro Battaglia, Kamil Mroz and Frédéric Tridon for all of their help and guidance in the early years of my research career.

My motivation for attending the ERAD conference and short course was to broaden my knowledge of weather radar physics, to understand the current research being conducted, and to network with people within the field. I attended the 'Quantitative Precipitation Estimation' short course to learn about the range of sensors that are used for observing precipitation, different merging algorithms for estimates from a variety of sensors, and the impact of observation resolution on hydrological modelling. The conference was segmented into 15 keynote oral sessions, 20 oral sessions and 3 poster sessions. These sessions covered topics such as radar calibration and monitoring, airborne and spaceborne radars, microphysical studies and many others. In between the oral sessions, ample opportunities were provided for networking at the poster sessions.

During the conference, I presented a poster of research that I had conducted during my master's degree and at the start of my PhD. The poster, "On the capabilities of the GPM Core Observatory over Great Britain and Ireland", included the final results from my inaugural first-author research article. I had discussions with a wide range of people regarding my research including a leader of the GPM algorithm development team, Met Office researchers, and a GPM/TRMM validation expert to name a few. Scientists provided me with feedback regarding their interest in my work and the possible implications of my findings to their research. This was very reassuring to hear as a young scientist, and it was exciting to discuss the impacts of my research.

Overall, I found this conference to be very useful. I learnt from the wide variety of presentations on radar sensing of clouds and precipitation, which has given me new ideas for my own research and enthused me to read more of the surrounding literature. Networking with other radar scientists has been a highlight, as well as the social trip to the zoo. Watching such excellent presentations has given me pointers for improving my own presentation skills. I have thoroughly enjoyed my first conference, and would like to thank EMS once again for aiding me in my attendance.

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