

16th EMS Annual Meeting report

Jianting Du

I am a PhD student in DTU Wind Energy. My PhD topic is coupling atmospheric and wave models for storm conditions. I am in the last year of my PhD, so this conference is a good opportunity for me to disseminate my works and at the same time to communicate with people who are working in the similar areas all over the world.

During the conference, I presented “Roughness length for coastal waters from wave boundary layer model”. In this study, a wave boundary layer model (WBLM) is applied in the ocean wave model SWAN as a new wind-input source function. The use of WBLM not only improves the wave simulation but also provides more reliable roughness estimation for the atmospheric model. I got some feedbacks after the presentation. For example, Dr. Jean-Raymond Bidlot was quite interested in my study, and we had a fruitful discussion afterwards.

This conference is so comprehensive that it includes atmospheric modeling, boundary-layer physics, air-sea interaction, and energy meteorology sections which are all closely related to my PhD project. It is very high level and academic. It is a good opportunity for the young scientists to present themselves, to talk with people and to learn from the more experienced scientists. I like the organization of this conference and I would like to attend this conference next year if possible. Finally, I would like to thank the EMS award committee for offering me the Young Scientist Travel Awards. Such awards are very helpful since PhD students are always short of travel funding.