EMS Annual Meeting 2022

Conference Report

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After attending the European Meteorological Society Annual Meeting in Bonn from 4 to 9 September 2022, I would like to express my gratitude to the organizers, who awarded me with a Young Scientist Conference Award (YSCA). As a beginner in Research and Development department, I am thrilled that my research is recognized as promising, and this acknowledgment is an additional encouragement to commit to research as much as possible in the future.

Since such an event cannot be fully experienced online, I am very happy that this year's meeting format was hybrid, and that most of the participants decided to attend the conference onsite. The organizers did a wonderful job, enabling me to meet people who are working on the same topics as I am. Furthermore, the Icebreaker and Networking lunch for early career scientists have proven to be great ways for valuable socializing.

The focus of the EMS Annual Meeting 2022 was: "Connecting communities to deliver seamless weather and climate science and services", but the overall scope of topics was very broad. The main session themes span from an understanding of weather and climate processes to the operational systems and applications, as well as the communication and benefits for society. The most interesting topics for me included research on various post-processing methods, especially the ones that use machine learning models. Not to mention, it is always interesting to also hear about different meteorology branches, thus expanding my view. For example, climate modeling is very important, especially today, while communication with society directly determines the usefulness of the information we provide as experts.

My oral presentation, "Kalman Filter Post-Processing of the Wind Speed and Gusts NWP and Analog-Based Forecasts: Performing Sensitivity Tests", was held in session OSA1.1-Forecasting, nowcasting, and warning systems. This presented research is focused on the optimization of a parameter in the Kalman Filter post-processing algorithm, which can directly improve the quality of a given forecast.

Finally, I would again like to thank the organizers for the opportunity to proudly present my work at such an important event. Also, I would like to thank the co-author of this research, Iris Odak Plenković, whose guidance and help were invaluable in producing these results.