

Report on the EMS Annual Meeting 2022

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I am grateful to have received one of the four Young Scientist Conference Awards and I want to thank the EMS award committee sincerely for acknowledging my work as an early career scientist and giving me the opportunity to present my work at the EMS 2022.

Thanks to the award I was able to present my work about the “Sensitivity of the Nocturnal and Polar Boundary Layer to Transient Phenomena”. To test the sensitivity of the stable boundary layer to intermittent turbulence mixing events we extended a single-column model of the atmosphere to include transient perturbations through parameterized components. This model is then used as a numerical tool to systematically investigate regime transitions of the stable boundary layer. Based on the results from this model my research suggests that even a small perturbation on the wind acceleration can lead to a regime transition.

During the conference I especially enjoyed the poster sessions where I had very interesting discussions with scientist from a wide range of backgrounds. Not only did I get valuable input for my own research, but it allowed me to get insights to topics I have not worked in before. As this was my first conference during my PhD it was an excellent opportunity to meet people outside of my university and from different countries.

Overall, I very much enjoyed participating in the conference and I want to thank the organizers of the conference for a very well organized and structured conference.



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