

Interactive comment on “Decreasing Wind Speed Extrapolation Error via Domain-Specific Feature Extraction and Selection” by Daniel Vassallo et al.

Leonardo Alcayaga (Referee)

lalc@dtu.dk

Received and published: 4 November 2019

-Very interesting topic and methodology, showing also the great potential of this technique.

-How the ANN performs against other physics based models? Logarithmic profiles (which includes friction velocity, a measure of TI) and surface layer similarity theory (M-O) includes this and stability effects that perform much better than the power law. A comparison with these more physics-based approach would make this assessment more fair

- Since there is less data available for higher wind speeds, the `sigma_error` should increase for both cases (or at least become highly random), How is the normal-

[Printer-friendly version](#)

[Discussion paper](#)



ization done in the non-dimensional case? is normalized by the dimensional or non-dimensional mean WS in equation (4)?

Please also note the supplement to this comment:

<https://www.wind-energ-sci-discuss.net/wes-2019-58/wes-2019-58-RC1-supplement.pdf>

Interactive comment on Wind Energ. Sci. Discuss., <https://doi.org/10.5194/wes-2019-58>, 2019.

Printer-friendly version

Discussion paper

