

Interactive comment on “Free flow wind speed from a blade-mounted flow sensor” by Mads Mølgaard Pedersen et al.

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Dear Mads,

Thanks for the article and write on such an interesting topic.

I had a quick look through the article and was wondering:

- 1) for which type of applications do you think such measurements could be useful? Power performance and load validation seem to me out of the picture as in these, using an aero-elastic model of the turbine would already bias the analysis.
- 2) In the paper I wrote last year together several scientists, "Wind field reconstruction from nacelle-mounted lidar short-range measurements", we applied a similar approach

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but to nacelle-mounted lidar and full-scale field measurements. Here your work is entirely based on simulations. "Simple" induction and other aerodynamic corrections were used in a "reverse" approach as e.g. the process used in HAWC2. Somehow, this seems natural that the corrections work ok. My question: how do you think the methods you have developed would work in full field campaigns?

Let me know your thoughts when you can.

Thanks,

Antoine

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