

***Interactive comment on “Uncertainties
identification of the blade-mounted lidar-based
inflow wind speed measurements for robust
feedback-feedforward control synthesis” by
Róbert Ungurán et al.***

Anonymous Referee #1

Received and published: 15 May 2019

The paper is well written and provides a good synthesis for understanding the uncertainties that come up when using blade mounted lidars.

On page 5, line 5 it is stated that "the rotational effect of the blade was not accounted for ...". I am just wondering if you can add a brief explanation as to why it isn't accounted for. Also, what about yaw of the wind turbine? I assume this was all done without considering what would happen if the turbine yaws to a new wind direction. This is probably something that can be ignored, but it was something that got me thinking as an interesting problem to try to tackle although outside the scope of this paper.

C1

On page 8, line 5 it says in this sentence that blade root flapwise and edgewise moments are widely available wind turbine sensors, however in my experience these sensors are found on most research turbines, but not on utility wind turbines in the industry.

Interactive comment on Wind Energ. Sci. Discuss., <https://doi.org/10.5194/wes-2019-15>, 2019.

C2