

Generic comments:

- Nice work!! Nicely written paper, easy to read and follow, and very interesting and relevant topic
- The applicability of the LEE detection is a bit doubtful from a practical perspective: the pressure belt would probably erode quicker than the blade, and if it is installed post-erosion, then there is not really a point in detecting it. From a scientific perspective it is still interesting in terms of detecting variations in the Cp distribution which might arise from factors other than erosion (e.g. soiling or ice build up)
- The use case of “early detection of local blade structural damage” is not obvious from the current setup
- The “zero” value as mentioned in section 3 will be of high importance, I did not very clearly see how this is done for measurements in the field (I guess that is part of the ongoing work mentioned in line 286?)

Small comments:

- Line 111: stating that all these methods are theoretical is maybe a bit too blunt. Most manufacturers will have methods (proven in the field) to detect rotor imbalance.
- Line 116: the quantification of the impact of performance would normally be done via side-by-side analysis, because the differences in power will be so small (see example reference below)

Relative and Integral Wind Turbine Power Performance Evaluation

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- The abbreviation LEE and its full wording “leading edge erosion” is used multiple times across the document (would be enough just once, and then just using the abbreviation)
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Typos:

- Issue with reference Hansen1993 in line 32 of page 2
- Line 49: change “thanks to tubes” → “with tubes” or “via tubes”
- Correct grammar of line 80: “As well as helping to further the understanding of..” → “As well as helping to further understand the..” or “As well as helping the further understanding of..”
- Line 124: space missing in “by(Dong et al”
- Label of Figure 2: there is an opening parenthesis missing

- Line 264 and 314: “Reynolds” instead of “Reynold’s” (his last name was Reynolds.. not Reynold 😊)
- Line 371: check correct use of capital letters in “Transformer neural network”
- The use of capital letters in the title of publications in the reference sections is inconsistent (some of them use capitals, some don’t): might be pointed out by the editorial check prior to publication? (not critical)