

# ***Interactive comment on “Virtual full-scale testing for investigating strength characteristics of a composite wind turbine blade” by Can Muyan and Demirkan Coker***

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Dear Referees and Readers,

We have made some changes to our manuscript (<https://www.wind-energ-sci-discuss.net/wes-2020-44/>) so that our manuscript is more comprehensive, concise, and accurate for the readers. These changes are implemented as follows:

- uploaded the updated manuscript in attachment with some changes.
- removed Figures 26 and 27 from the current manuscript (<https://www.wind-energ-sci-discuss.net/wes-2020-44/>) on the web. This modification was made to shorten the

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paper. Moreover, the removal of these figures do not diminish the quality of the paper.

- added the new Figure 13, which shows the variation of the contact friction stress in trailing edge adhesive interface. This new figure supports the argument below:

'Since the adhesive is the weakest interface, the main failure mechanism is expected to be the de-bonding at the trailing and leading edges.'

-text corresponding to the modified figures was rewritten.

- conclusions were reworded.

- additional editorial corrections were made.

We would highly appreciate it if you could consider the updated version of our manuscript in attachment for your review.

Thank you for your kind attention.

Best Regards,

Can Muyan

Please also note the supplement to this comment:

<https://www.wind-energy-sci-discuss.net/wes-2020-44/wes-2020-44-AC1-supplement.pdf>

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