

Wind Energ. Sci. Discuss., community comment CC1  
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## **Comment on wes-2022-86: Other works on the yaw mechanism of single-point-mooring based FOWTs**

Christian Schulz

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Community comment on "Platform yaw drift in upwind floating wind turbines with single-point-mooring system and its mitigation by individual pitch control" by Iñaki Sandua-Fernández et al., Wind Energ. Sci. Discuss., <https://doi.org/10.5194/wes-2022-86-CC1>, 2022

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Dear authors,

it is nice to see that there is some recent progress regarding yaw mechanisms for single-point-moored FOWTs! From my point of view, it is extremely important that a wake-resolving modelling approach was used in this case, because BEMT simulations with classical wake skew corrections may deliver misleading results in this case (see first paper below). I would also like to highlight that there is some more literature dealing with the yaw mechanisms of an FOWT with SPM, which we published in the recent years, because it is sometimes difficult to find these papers. Maybe this could help to give a more detailed description of the challenges associated with SPMs for FOWT, which are addressed in this work.

Schulz, CW, Wang, K, Wieczorek, K, Netzband, S, Abdel-Maksoud, M. Experimental and numerical investigation of the yaw moment of a downwind coned wind turbine rotor. *Wind Energy*. 2022; 1- 21. doi:10.1002/we.2779

Stefan Netzband, Christian W. Schulz, Moustafa Abdel-Maksoud. Self-aligning behaviour of a passively yawing floating offshore wind turbine. *Ship Technology Research*, 0(0):1–11, December 2018. <https://doi.org/10.1080/09377255.2018.1555986>

(please let me know if you would like to receive a copy of the article)

S Netzband, CW Schulz and M Abdel-Maksoud. Passive self-aligning of a floating offshore wind turbine. 2020 J. Phys.: Conf. Ser. **1618** 052027. <https://doi.org/10.1088/1742-6596/1618/5/052027>

I hope to see the paper published soon!

Best regards,

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