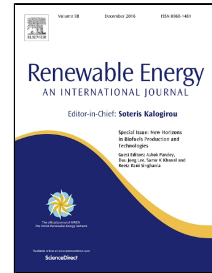


Accepted Manuscript

Coarse-resolution numerical prediction of small wind turbine noise with validation against field measurements

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PII: S0960-1481(16)30947-8
DOI: [10.1016/j.renene.2016.10.070](https://doi.org/10.1016/j.renene.2016.10.070)
Reference: RENE 8258
To appear in: *Renewable Energy*
Received Date: 22 January 2016
Revised Date: 09 October 2016
Accepted Date: 30 October 2016

Please cite this article as: Ping Ma, Fue-Sang Lien, Eugene Yee, Coarse-resolution numerical prediction of small wind turbine noise with validation against field measurements, *Renewable Energy* (2016), doi: 10.1016/j.renene.2016.10.070

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- Aerodynamic and aeroacoustic simulations were conducted for a small wind turbine.
- Simulations were conducted for rotor only and full wind turbine configurations.
- Predicted turbine power and acoustic spectra agree well with field measurements.
- Presence of the tower decreases the wind turbine power output prediction.
- Presence of the tower leads to modifications of the acoustic spectra above 300 Hz.

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