



Fluid Mechanics and Turbulence in Wind Farms

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Deadline for manuscript
submissions:

closed (30 April 2021)

Message from the Guest Editor

Dear Colleagues,

We invite submissions to a Special Issue of the journal *Energies* on the topic of “Fluid Mechanics and Turbulence in Wind Farms”.

For this Special Issue, we would like to encourage original contributions regarding recent developments on and results relating to field measurements, wind tunnel experiments, analytical and engineering wind farm models, and simulations of wind farms. Potential topics include, but are not limited to, the following: wind farm performance, LiDAR and SCADA measurements, wind tunnel measurements, wake effects, effects of thermal stability conditions of the boundary layer (stable and unstable conditions), Coriolis effects, diurnal cycle, gravity waves, effects of wind-wave interactions, wind farm control strategies, wind farm frequency regulation, complex terrain effects, effects of wind farms on meso-scale weather phenomena, farm-to-farm interactions, comparison studies, and wind farm performance forecasting.

Dr. Richard Stevens

Guest Editor





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Message from the Editor-in-Chief

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