

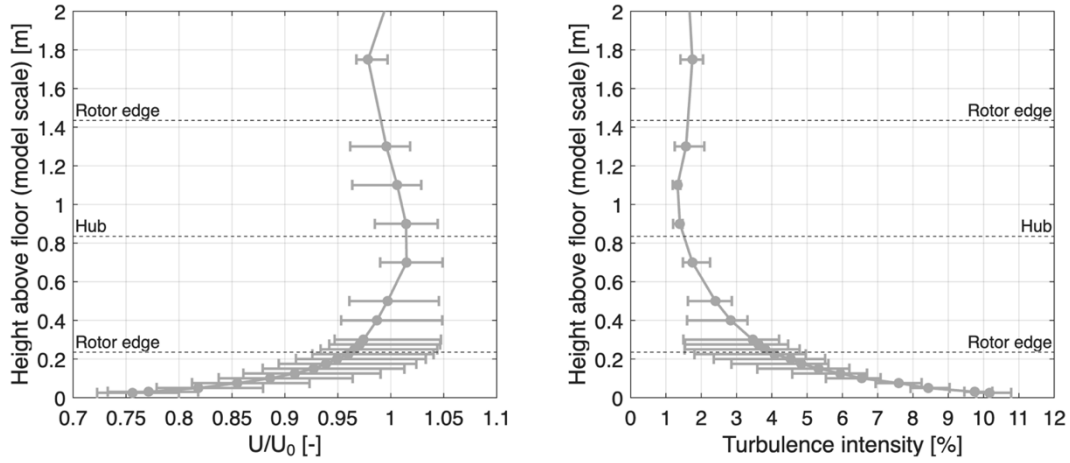


Figure A1. Vertical profiles of mean streamwise velocity and turbulence intensity in the wind-tunnel test section at the location of the upstream wind turbine. The error bars show the minimum and maximum values over four measurement points at lateral distances of $y = [-0.25, 0, 0.5, 0.75]$ m.

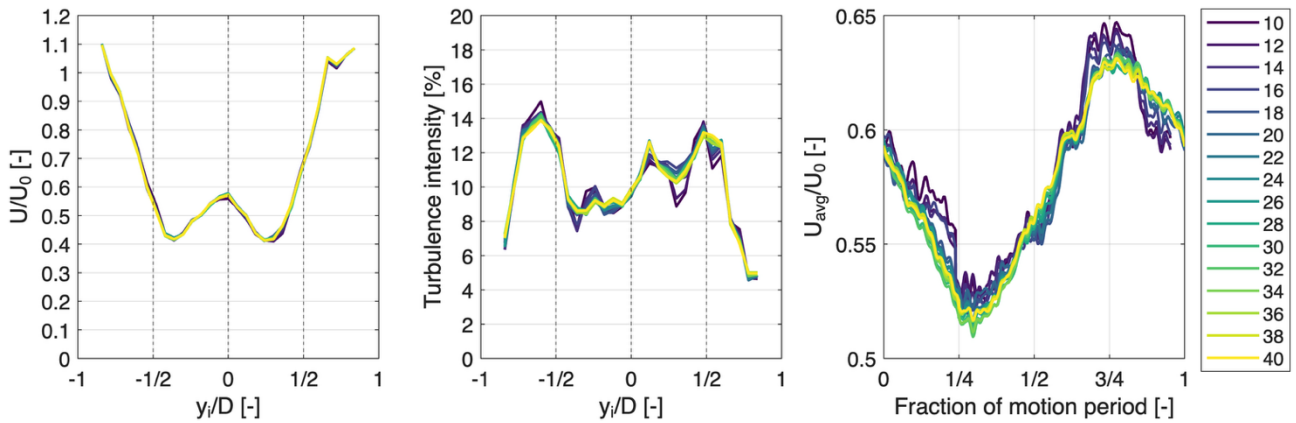


Figure A2. Variation of the mean streamwise velocity (left), turbulence intensity (center), and instantaneous spatially averaged streamwise velocity over the rotor region (right), computed using a number of motion cycles between 10 and 40 for the case with surge motion at a frequency of 2 Hz, at a distance of $3.5D$ downstream of turbine 1.