
Publications in international peer reviewed journals and proceedings

1. Fredriksson, S.T., et al. *Turbulence Characteristics in Tidal Flows Using LES and ALM to Model the Tidal Power Plant Deep Green*. in *4th AWTEC*. 2018. Taipei, Taiwan.
2. Fredriksson, S.T., et al., *Large eddy simulation of the tidal power plant deep green using the actuator line method*, in *Materials Science and Engineering Conference Series*. 2017.
3. Fredriksson, S.T., et al., *Near-surface physics during convection affecting air-water gas transfer*, in *IOP Conference Series: Earth and Environmental Science 35 (1)*. 2016.
4. Fredriksson, S.T., et al., *An evaluation of gas transfer velocity parameterizations during natural convection using DNS*. *Journal of Geophysical Research-Oceans*, 2016. **121**(2): p. 1400-1423.
5. Fredriksson, S.T., et al., *Surface shear stress dependence of gas transfer velocity parameterizations using DNS*. *Journal of Geophysical Research-Oceans*, 2016. **121**(10): p. 7369-7389.
6. Zhang, Q., R.A. Handler, and S.T. Fredriksson, *Direct numerical simulation of turbulent free convection in the presence of a surfactant*. *International Journal of Heat and Mass Transfer*, 2013. **61**: p. 82-93.
7. Galfalk, M., et al., *Determination of the piston velocity for water-air interfaces using flux chambers, acoustic Doppler velocimetry, and IR imaging of the water surface*. *Journal of Geophysical Research-Biogeosciences*, 2013. **118**(2): p. 770-782.
8. Andric, J., et al., *A study of a flexible fiber model and its behavior in DNS of turbulent channel flow*. *Acta Mechanica*, 2013. **224**(10): p. 2359-2374.
9. Fredriksson, S.T. *Kompositmaterialer i vannkraftanlegg*. in *Produktionsteknisk konferense*. 1997. Tromsø, Norway.
10. Fredriksson, S.T. *New Design Techniques for Refurbishing the Intake and Trashracks in old Hydro Power Stations in Sweden*. in *Modelling, Testing & Monitoring for Hydro Powerplants*. 1994. Budapest, Hungary.