

Energy Research in Exeter (Streatham)

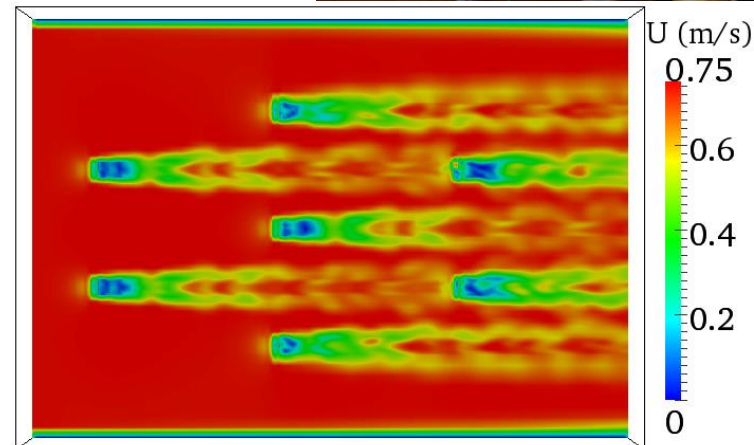
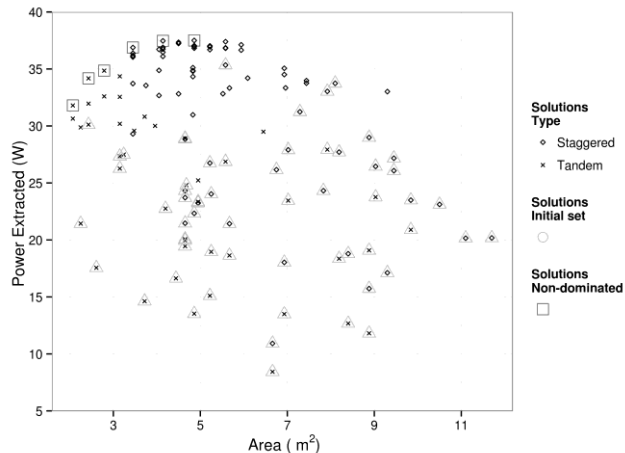
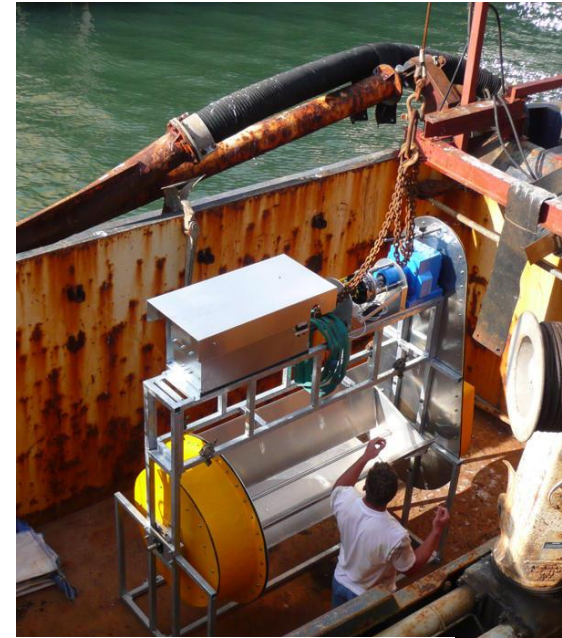
- Research in tidal and offshore wind, simulation and optimisation, Energy Harvesting, Wood Combustion, Materials Engineering
- CDT's in Metamaterials, Sustainable Materials and Manufacture
- Centre for Energy and Environment



Tidal Turbines

EPSRC project on estuarine tidal turbine arrays and Optimisation – novel cross-flow design.

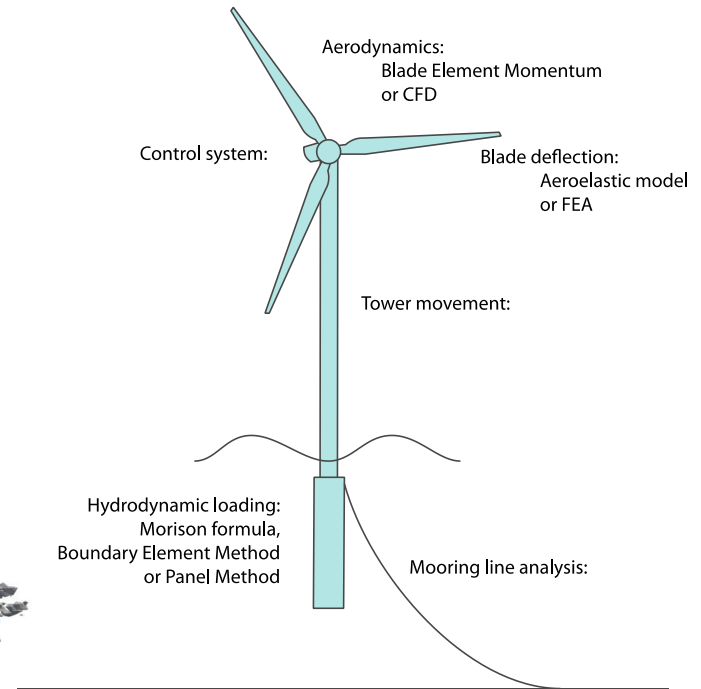
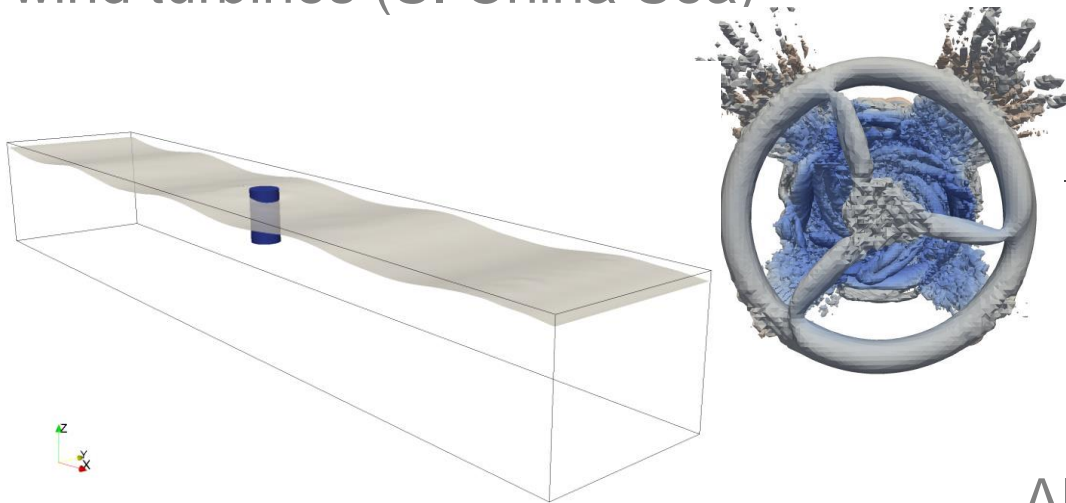
(Belmont, Djordjevic, Tabor)



Offshore Wind

Exeter CFD group contribution to RESIN project

Simulation of floating offshore wind turbines (S. China Sea)



(Tabor, Pavic)

Also linked to CCP-WSI



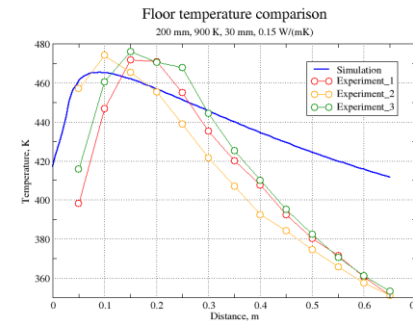
Wood Log Combustion

Work with Hunter Stoves,
BioEnergy2020+ on domestic log-
burning stoves

(Tabor, Smith)

Working to meet new emissions
requirements (2022) using novel stov
designs

Developing computational simulation
methods for combustion modelling.



Energy Harvesting

- Power management
- Wireless sensing

- Modelling and simulation
- Integration and characterisation



Materials for Energy Applications

Thermal energy storage at Streatham

Metamaterials for energy generation and storage application

Graphene for photovoltaics and other energy applications

CDT's in Metamaterials, Sustainable Materials and Manufacture

