

Location: Prof. Willy's Office

Date: 11/15/18

Time: 6:45pm

Abstract: Go over next steps for designing wind turbine

- Look for Generators
 - 10-20 generators
 - build a spec table to help narrow down choices
- Pitching mechanism
 - do a motion study on the actuation of the hub
 - once motion study is complete, build a prototype
- Slip Ring Assembly
 - start researching slip rings
 - need independent grounding wire
 - Nine wires
 - needed if no up tower rectifier
 - Seven wires
 - needed if there is an up tower rectifier
- EE Team
 - Different converters needed
 - two different dc to dc
 - buck boost
 - boost
- Rotor heads
 - build a spec table with the rotor heads found

Meeting Adjourned: 7:40pm