• **Register**

– Everyone present

• **Agenda**

– Present Wk 6 Presentation to Prof. —- & receive feedback

– Review progress made this week since Wk6 presentation

• **Feedback from Prof. Wilson and supervisors**

– Questions to answer:

• What is driving the project?

– Capacity?

– Glide angle?

– Fitting the payload box?

– Structure?

– Requires us to properly define our design requirements relative to our “customer” requirements

• What is the operational profile?

– What are we doing with the glider ie when are we listening?

– Are we listening on way to the destination?

– How important is location?

• How accurately do we need to maneuver and how will we achieve this?

– Pitch mass

– buoyancy engine

– aileron?

• Towed array or tethered array?

– Towed array carries large drag load – frigate example

– Pode and Wilson methods, MSc thesis

– Tethered array could be sufficient assuming no need to listen during glide

• Components:

– What do we actually need for our mission? Could design glider size required from components instead of fitting a list of requirements

– What can we leave out for the scale model?

– How big will these be?

• What challenges will we need to overcome?

– Keep in mind the decision tipping points

– Try to throw more out than adding new features

• **General**

– Need to better deliver outputs and show deliverables for feedback – can email or ask for feedback outside of meetings on pieces of work

– Design and testing methodology needs to be reconsidered starting from operational profile.