**Summary:**

Decided on project schedule up until wk 10.

**Actionable Items:**

* Finish subsystem reports in 2 wks
* Make a poster before wk 10

**Attendance:**

Steve, Paul, Wen Jie, Brian, Alex

**Apologies:**

Chris – out of town

**Agenda:**

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| **Item** | **Discussion** | **Actions + Responsibilities** |
| Meeting Open | S: time to start  S: how is everyone going with their thing? |  |
| Update of progress offsite | A: pretty much finished the frame, will start writing the doc today. Want to do some calculations to make sure it's strong enough.  S: Why that password change?  A: Because it expired.  S: \*more useless banter\*  W: these two cooling designs are the same  S: yeah  W: when the system reaches steady state it's exactly the same  W: split into three separate pipes  S: that's an option  W: so yeah there's a difference  S: did you make them yourself?  W: yes  S: I am awake  B: do they have a temperature thing inside the laser  A: are you taking notes pole?  P: yes  S: pole writes notes |  |
| Task Delegation for the day | W: \*something about coolers\*  S: \*coolers\*  S: alex, you seem to know what you're doing  A: let's decide what we need to do by week 10  S: do we want to take up chris on his offer and have a chat?  W: I didn't get that  S: yeah you did, you were ccd  W: no, I actually legitematly don't have it  A: what's your u-number?  B: it eneded up in junk  A: would it be worth meeting with him? it's useless and no time  S: he probs have diff priorities, and make us do useless stuff  A: not keen on doing that  A: let's send him an email saying f off  S: phrase it better  S: project showcase is on 12 Oct  A: I think course work should be a priority. When do we submit the poster?  S: Same day as project showcase. 12 Oct.  A: In that case let's have it finished by Mon week 10.  S: I'd like Jared to go over it and let's stick to the other ones upstairs. Have final draft by Monday week 10.  A: It should be easy enough to write a high-level summary of their section. Take intro from old poster.  S: Let's rewrite old poster to minimize citations  P: steve can't do references without latex anymore  A: is everyone happy with that  P: I can put the poster together  S: I'll get temlate from marcus  W: was EOS cooling 16 or 14?  S: 17C  W: +-1C precision  W: Jack thought cooling will be in the lab  S: that's not confirmed  S: here's the old poster  P: yeah I can make that  A: do we want to have all group stuff finished by mon wk 10?  S: yeah that gives us two more fridays  A: is everyone on track?  S: W, are you on track?  W: yeah  S: inc report?  W: yeah, 2-3 pages long  A: def can do my bit  S: B?  B: I have questions about control system, does EOS laser monitor temperature inside the laser?  S: What temp?  B: Cooling.  S: the coolers are separate  W: the coolers control the temp of the water  S: \*lots of pointless discussion about cooling\*  B: so we don't need any temp sensor?  S: no, focus on power draw and comms  A: have you thought about getting cables from EC to LH?  B: they already managed it  A: no, whole enclosure is our idea  S: there are 10 cables from EC to LH, if EC is on ground floor that's lots of cables  A: also in terms of getting it inside the box  A: I was googling something the other day, like air tight cable plugs  W: we'll need water cables too, isn't breadboard enclosed?  A: yes \*shows blueprint\*  W: you need a gap near where ANU laser is sitting for the cooling  S: have one entry point at each breadboard  W: yeah that could work  B: remember when james drew diagram of 3 breadboards, which breadboard on each level?  S: make the same holes at each level  W: water flow? ~10 cm pipe  W: we will need 3 entry and exit points for 10 cm pipe  S: are you sure? is it capable of that?  A: do we need a big report if we have subsystem reports?  S: yeah because stuff and things  W: this is for steel pipes we are not using that, I think it was 9/11 per minute, which is low  S: I can't find this meeting, has Chris bamboolzled me?  W: how many liters is a gallon?  S: it's like 3, imperial or the other one?  W: what's gpm?  P: gallons per minute  S: imperial or us?  P: US, no one uses that other one  W: how is cooling capacity not tied to pump rate?  S: \*more theory of coolers\* |  |
| Meeting Close | S: ok meeting is over |  |
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