

GJ 218 Conference Rm. 3:30pm

Moderator: Kyle Peterson

Minutes Taker: Andrew Jones

Present: Andrew Jones, David Arnett, Shea Morrison, Dr. Herb Hess, Nick Bachus, Cooper Atkinson, Justin Pettingill, Dr. Feng Li, Brian Cartwright, Matt Phillips, Kyle Petersen

Late: N/A

Absent: N/A

- **Updates from Teams**

- Stator Design Team Updates
  - Electrical team
    - Monday meeting (Matt, Shea, David, Justin)
      - Matt: Gaining better understanding of equations
        - How permeability changes them
      - Shea: grad student will give in-depth explanation of block diagram models
      - System needs to be transitioned to single phase machine
    - Mechanical team
      - Kyle: Address how assembly of system will affect fatigue calculations
      - Preliminary calculations on shaft: 1.5 – 2 inches Stainless Steel (LS = 1 inch)
        - Inside diameter: 0.75 inches
        - Change could affect electrical calculations
      - Nick/Cooper: trying to get a heat transfer model across the stator
  - Controls team
    - Attending FlyCAM's last meeting tomorrow (Thurs, Dec 08)
    - Eric Silk will review GUI with the team
    - Over break: can perform sanity checks on existing code

- **Updates from Mentors (Dr. Hess, David, Justin)**

- David
  - Encoder ordered; should ship in 6-7 weeks
  - Generating list of deliverables for electrical and computer team members for beginning of S17
    - Will be emailed out by Friday
  - IRIC space secured, planning move in
    - Will email building guidelines
- Justin
  - Helped David with the encoder

- **Tuesday Meeting Updates**
  - Update from meeting with Dr. Berven
    - Confirmed use of copper heat sink caps above and below stator
  
- **Updates from Senior Design (Dr. Feng Li)**
  - Portfolios and logbooks due to Dr. Li – Friday COB
  
- **Other Updates**
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- **Next meeting review (W/O January 09, 2017)**

Moderator: Andrew Jones

Minutes Taker: Matt Phillips
  
- **Adjourn**