

IRIC 105 Conference Rm. 3:30pm

Moderator: Cooper Atkinson

Minutes Taker: Nicholas Bachus

Present: David Arnett, Shea Morrison, Nick Bachus, Cooper Atkinson, Justin Pettingill, Matt Phillips, Kyle Petersen, Ian Tanimoto, Brian Cartwright, Andrew Jones

- **Updates from Teams**

- Stator Design Team Updates

- Electrical team

- MMF model working
 - By next week going to have torque model done
 - Matt is planning to make a Mathcad model for verification

- Mechanical team

- Working on fatigue and heat transfer model
 - Nick is going to purchase stainless steel bearing balls for lazy susan
 - Design review 2/9/2017 2:30pm IRIC 105

- Controls team

- Got in contact with Brent Kisling for pinout and power electronics for single axis electromagnetic active bearing
 - Design review 2/10/2017 IRIC 3:30pm

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

- David

- Payment didn't make it for the encoder, so now we have to track down what happened

- Justin

- Working on setting up the lab and will be putting together the low speed flywheel soon
 - Going to put building modification order for chilled water supply and electrical plug in for vacuum pump

- **Tuesday Meeting Updates**

- None

- **Updates from Senior Design (Dr. Feng Li)**

- ME Design review: Thursday February 9th 2:30pm
 - Controls Design review: Friday February 10th at 3:30pm
 - Logbooks due February 17, 2017

- **Other Updates**

- Get lab safety papers to David

- **Next meeting review (W/O January 15, 2017)**

Moderator: Nick Bachus

Minutes Taker: Brian Cartwright

- **Adjourn**