

MINUTES – Fly Rollers Meeting 2 (9/24/15)

All team members present and stakeholder Michael Santora.

Discussion:

Most items we talked about are listed as action items but we also mentioned the following topics:

- a) We have a graduate M.E. student available for help with the project. He can be reached at kase1180@vandals.uidaho.edu
- b) We will spin up the rotor on the FRRM using the wall power supply (i.e. 120V60).
- c) The software to control the position of the flywheel and maintain a 1 mm air gap between the rotor and stator is completed.
- d) Kevin's thesis contains more information about the hardware side of the project, while Brent's contains more information on the control side.
- e) The current microcontrollers we have are TI F28335's running at 150 MHz operating as controllers with a F28377D running at 200 MHz being used to supervise the controllers.
- f) The top AMB does not contribute to the rotation of the flywheel, while the bottom AMB does.

Action Items:

- 1) Read the information on vacuum couplings contained in Kevin's folder on Dropbox.
- 2) Download the MotorWare program.
- 3) Check current biasing point on the AMB's.
- 4) Email contract to Dr. Lee.