
DFIG MINUTES

2/25/2015

Discussed within meeting

- Discussed the RSCAD model.
 - Might need some capacitors – inductors are fighting each other
 - Computation error in D/Q
- Need to debug the generated code
- Control model coded
- Need debugging software
 - Mike B has software?
 - How pins are assigned (input and output)

Items to address

- Cody will prepare expo documents here this week.
- Ppt. for 591
 - Look at what we've done
 - Defined originally
 - How we defined it
 - Steps we took to get the project done
 - How we understand it
 - Have a small amount of ppt, or a lot, doesn't matter.
 - 1ppt 1min
 - 30mins
- Send title – abstract (1 paragraph) – bio's to dr. li
- If we split it up – rehearse it later
- March 12th (Thursday)

DFIG MINUTES

3/4/2015

Discussed within meeting

- Snapshot in **afternoon 3:30pm Tuesday**
- Look at excitation for reactive power
 - Positive power into machine generating
 - Absorbing real power
 - Positive vs minus
 - Follow energy flow from system
 - Whats where
 - What kind of transformation
 - 208-690 armature resistance will go down a bit
 - Change of base – if we keep reactance – sbase might change
 - The values in pu will become more ideal as it gets larger
 - Keep 10hp gives us a different z in ohm, same in pu though
 - Don't change sbase if we need to
 - Depends on what Normann wants to see on the machine
- **Come in with a problem and proposal for the solution for 208 problem**
 - Reason why and let them make the decision
- Controls
 - Generated Code
 - Handed off to mike
 - Can program in the lab
 - Need pinout for ports on side of board
- **Presentation**
 - Background of generators
 - Audience won't know the background
 - Mike should be integral
 - Opportunity to get involved
 - Make mistakes in private**
 - EXPO TECHNICAL
 - 15mins for presentation 5 for questions

Items to address

- Send presentation to Dr. Hess
- Integrate mike into presentation
- Send Email to Normann today!!
 - Submit expo paperwork TODAY

DFIG MINUTES

3/11/2015

Discussed within meeting

- Presented our technical presentation to Dr. Hess and Dr. Li
- Discussed the RSCAD model
 - Discussed equations
 - Not getting same values as Rishabh

Items to address

- Submit Portfolio

DFIG MINUTES

3/25/2015

Discussed within meeting

- Good break?
- Alaap – made some progress in the Model
 - Getting ready to set up
- Hardware update?
 - Good to work together
 - Gains all set up
 - Matching on what we're seeing
 - Startup isn't an issue with hardware
 - Harder on software
 - Simulate in s.s
 - Still getting code adjusted
 - ABB works just fine
 - Homemade number will be issue –

- Various gains that will need to be set
 - Easier to see gain in RSCAD
 - Coordination of gains
- **SOON – SOON—SOON**
- **Need to get a test procedure**

- **Get update**
 - Take a larger view of the machine to get new gains
 - Dr. Hess might have some value to adjust
 - Doesn't need to be perfect, CLOSE

Items to address

- **Get a testing procedure**
- **Look at stability**
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