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# DFIG MINUTES

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#8---11/04/2014

## Discussed within meeting

- Need to update wiki page
  - Need to include team information on top right
  - Mentor – advisor
- Meeting times for
- Talked to Dr. Hess about new project view
  - Figuring out fault from DFIG because it is a weak source
- Views from Dr. Johnson
- What to expect at design review
  - Defining problem
    - Specs
    - Assumptions
  - What we are going to do and where will we go?
  - Present ideas
    - Model of machine
    - System to use
    - Expect how they will react
  - Whatever we plan to do **next** to continue on to get a solution
    - Machine operation
    - Normann

## Thoughts to Ponder

- 411 likes current, what do we do that is any different.
  - If I-G it may or may not pick up voltage down the line
  - Wants current transformer to get current
  - Generalized alpha plane
    - Bases items on hysteresis level on acceptable current going in and out.
- Need an idea how to drive the motor for the model power grid
- No infinite bus. Different model.
- Get the data and digitize and put into Matlab to simulate what might show up.
  - Indicators are in the control software

## Items to address

- Send out emails to get meeting time to **Normann Fischer**
- Coordinate with Dr. Johnson to move the motor?
  - Short terminals
  - Open circuit, don't run at residual speed, run at no load
  - Get assumptions for leakage reactance
  - DC supply for ratio of voltage and current for resistance. And turn ratio