B.A. Mork   **EE5200**   Fall 2021

Journal Paper Review

The purpose of this assignment is to get practice in library searches and in reading, understanding, analyzing, explaining, and critiquing a journal paper. It is likely that as a professional you will be called upon to review journal papers or conference papers for IEEE and other professional societies, so this is a useful skill to develop.

You are to find a recent journal paper whose subject is key to your term project. If you like, you can ask your instructor to approve the paper you've chosen. Typically, overview papers or papers that provide a qualitative synopsis are not acceptable. Preferably, you should find a paper that goes into the details of some type of analytical method of analysis (i.e. applied math). Some typical sources for papers are (also - many links are given at end of EE5200 web page):

- IEEE Transactions on Power Systems, Power Delivery, etc.
- IEEE Power & Energy Magazine
- Proceedings of IEE (Part B)
- Electric Power Research Journal
- Electric Machines and Power Systems Research Journal

You are to write a technical analysis and interpretation of the paper (not an outline!). *An analysis is an examination, evaluation, and interpretation of the paper. Is what the author doing correct? Has it been done before? Is it presented clearly? Is it worth writing about? Is the method new, an improvement on existing methods, or does it replicate something already done?* Go through the mathematical development of the paper, follow and understand the derivations, and explain how it works. To answer these questions, you may have to educate yourself on the topic of the paper. That may require reading other papers on the subject (given as references in the paper you're reviewing) and finding background material in books.

For your submittal, underline a copy of the paper you are reviewing!

Deadlines (according to Term Project Guidelines):

Friday of Week 11: Submit your rough draft of review/analysis notes of the paper.

Friday of Week 13: Submit a formal review /writeup. Submit a short 10 min "mini-lecture" .ppt with voice over. Use low-resolution audio else the size the created .pptx file will be immense.