

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. Some typical sources for papers are (also - many links are given at end of EE5200 web page, including IEEE Xplore):

- 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.

Deadlines:

Friday of Week 11 (Nov 13th): complete a rough draft of review/analysis notes of the paper. This should be your own intermediate deadline, we won't collect this.

Submit a formal review /writeup by end of Week 12 (Nov 20th)

On-campus students give short 8-10 min ppt "mini-lecture" by end of Week 13 (Dec 4th).
Off-campus students submit your ppt by e-mail attachment. It's possible to embed audio.

For on-campus student presentations, the written analyses are to be distributed to everyone in the class and read prior to your oral presentations. Everyone is encouraged to ask questions during the presentation.