

Homework 1: Paper Review

 Published Edit

Review of a Recent Stability Paper

- Select a paper to review: **published in 2017-2021 on *IEEE Transactions on Power Systems* that addressed a stability problem on bulk AC power systems** (not a DG, microgrid or distribution system)
- Write a 1-2 pages essay to clearly answer all these questions:
 - Authors, title, source of the paper.
 - Background:
 - What stability problem is addressed or studied? In which IEEE categories defined in [1]?
 - Why is the problem significant (unsolved old problem vs. emerging problem)?
 - Approach
 - What new approach is proposed (key idea and steps)?
 - How practical is the solution (purely academic or ready for application)?
 - What power system model is used and at what scale (steady-state vs. dynamic, detailed vs. reduced, small vs. large systems)?
 - Remark/Questions
 - Any limitation of the new approach or which problem has not been solved?
 - What questions do you want to ask the authors after reading the paper?
- Submission: Upload a single PDF file to Canvas. You may use any template but it needs to be properly formatted.

[1] IEEE/CIGRE Joint Task Force on Stability Terms and Definitions, "Definition and Classification of Power System Stability," IEEE TPWRS, May 2004.

Points 100

Submitting a file upload

Due	For	Available from	Until
Feb 4	Everyone	-	-

+ [Rubric](#)

