***13/07/2020 - Dakshata***

* Get updated with the latest research being done in your domain
  + Conference papers(“hot off the presses” information, latest)
  + Technical reports (expands on a conference paper)
  + Journal papers (consists of everything)
  + Book Chapters (expands a journal article)
  + PhD dissertataions
  + Posters (abstracts, short, for discussions, short version of conference paper)
  + Workshop papers (WIP)
* Peer Reviews (usually conference papers)
* Content
  + Theory (theory/algo)
  + Engineering (implementation/application)
  + Empirical (experiment/hypothesis)
  + Survey (review)
* Three-Pass Approach
  + First: quick scan
    - 5-10 minutes
    - title, abstract, intro
    - Section headings, sub-section headings
    - Conclusion
    - References
    - You will get the 5C’s: context, category, correctness, contributions, clarity.
  + Second
    - 1 hour
    - Read with greater care but ignore details
    - Identify key points, make comments
    - Look at figures, diagrams
    - You may not understand even in the end of this pass because the subject may be new, proof you may not understand, it maybe poorly written.
    - You can now set the paper aside
    - Return to the paper later
    - Preserve and go on to the third pass
  + Third
    - 4-5 hours
    - Completely understand the paper
    - Give great attention to detail
    - Virtually re implement
    - Identify and challenge ever assumption
    - Note down ideas for future work
    - You will be able to reconstruct the paper
    - You would be able to identify strong and weak points
    - You should be able to pinpoint implicit assumptions, missing citations, and potential issues with experimental or analytical techniques.

**Literature Survey**

* Google Scholar, MS academic Search, CiteSeer, or ACM digital library.
* Use the 3 pass techniques
  + Find survey papers, you will get them if you’re lucky. You will get all the recent research.
  + Find shared citations and repeated authors
  + Visit the researches websites, find the codes, identify the top conferences in that field
  + Go to CVPR

**Remember to note:** authors. Paper title, venue, date of publications

**Reading resources**

