phd-thesis-writing- Some suggestions

References
- 1) HansZappe
- 2) Chinneck
- 3) Daniel Ratiu
- 4) Easterbrook
- 5) Priya
- 6) Frazer
- 7) Kelley
- 8) Faryadi

What's the point of a phd thesis, it's motivation and reason for existence - understand this !
- In Hans Zappe paper, The motivation are Pg 2 , section 1
  - A) it's to report advancements achieved for a scientific question
    - the question must be worth studying,
    - your answer is novel and helped advance state of art ,
    - make the reader understand what you have done
    - To show that your answer is novel
      - your lit survey must be substantial and show mastery of existing work attacking problem
- In Chinneck paper, pg 1 - section What's is the graduate thesis all about
- In easterbrook showing what examiner wants Slide 19, looking for slide 25

How to create structure of a thesis
- My suggestion:
  1) Create abstract,table of content, section, sub-section, and even paragraph,
  2) for each part define the questions to be answered, Then fill In the figures as signpost to meat of content.
  3) Generate slide , it shows continuity and provides body for writing
  - A thesis must have the following chapters See also Daniel Ratiu, pg 16
    In Chinneck paper, pg 2 A general structure is suggested
    - Abstract
      - See Priya slide 10
      - Daniel-Ratiu slide 16 in less than 1.5 page
    - 1) introduction, See Daniel-Ratiu pg 18, Priya slide 13
    - 2) optional - some background to help reader, E.g in Paul's thesis, a primer on music theory supporting his work will be great
    - 3) review of state of art , Also see Daniel Ratiu pg 17
    - 4) your contribution - there should be one to two of this chapter Also see Daniel Ratiu pg 19 Priya pg 16
      - A) what's the research question to be answered
        - Discuss why the question is worth answering - extends on the chapter 1) discussion of this fact
      - B) what's the current solution to this question - by direct analysis to chapter 3) review of state of art, that this question remain unanswered
      - C) answer the question
        - Discuss idea of solution, block diagram Scope, input output
          - Discuss how your solution relates to state of art
        - Design an Experiment to answer the question
          - Examine and discuss , analyse the results
        - Conclusions - how good yr solution is , what else in future
    - 5) conclusions
      - A) summary of conclusions
        - Discuss how your work have helped to answer the phd research question
      - B) future works
        - Discuss what your work did not do,hence showing the way what need to be done
    - References
      - Make sure that your citations are complete
        - Forget wiki, unimportant conferences publications. , should number about 150-250
        - Use citation style prefers - author-sir name-year
        - All bibliography must have been cited , no uncited biblio !
    - Appendixes
      - E.g, very large tables, detailed mathematical proofs

Writing Tips: Some suggestions from different authors
- Hans -Zappe , pg 3-5 gives a very good idea of what a chapter, section, paragraph should look like
  - Each chapt is self contained
  - A chapter is supported by several sections
  - Each section is self contained
- Daniel-ratiu pattern for writing
  - Pg 9 - writing at different level of details , Abstract (1 min) introduction (5min) and whole thesis (60 min) ch2-6
  - Pg 15 How to organise/start writing
  - Daniel Ratiu patterns for readability Pg 25,26,27(anti -patterns)
- Easterbrook showing how to write questions to be answered slide 8, slide 12
  - Saying everything thrice Slide 13
  - What are basic questions to ask in each chapter/section slide 12
  - What examiners looking for -pg 25
  - Writing evaluation Daniel Ratiu pg 23
- Priya
  - Slides for presentation, slide 22
  - How to fail your exam, pg 29
- Frazer pg 14-18 has good suggestion to write a chapter, pg 19-20 for paragraph writing
- Kelley - sentence structure in writing
- Faryadi
  - Wrote an eloquent and more detailed need of what each abstract, chapters require, Complements easterbrook slide 12, Daniel Ratiu slide 16

/phd-thesis-writing-/References/1) HansZappe

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/phd-thesis-writing-/References/2) Chinneck

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/phd-thesis-writing-/References/3) Daniel Ratiu

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/phd-thesis-writing-/References/4) Easterbrook

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/phd-thesis-writing-/References/5) Priya

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/phd-thesis-writing-/References/6) Frazer

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/phd-thesis-writing-/References/7) Kelley

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/phd-thesis-writing-/References/8) Faryadi

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