



Instructions/Tips (As Slides)

ELEC 3004: **Digital Linear Systems**: Signals & Controls Dr. Surya Singh

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June 3, 2015

http://robotics.itee.uq.edu.au/~elec3004/

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Paper Review Description

- Task Description: An extensive review and analysis of a recent (published after 2008), high-quality (A*) journal paper (e.g., an IEEE Transactions) related to Signals, Systems, or Digital Controls or its application must be presented. This review should be at least 2 pages long and should be presented in IEEE Transactions Format (10-point, double-column) and should reflect on the novelty of the work.
- Criteria & Marking: UQ students: Please sign in to mySI-net to view your list of
 enrolled courses and click the relevant Profile link to access marking criteria held
 in this profile
- Submission:
 - Electronic: Emailed (as PDF) to elec3004@itee.uq.edu.au or
 - Paper: In folder outside Bldg. 78-Room 531 (Surya Singh's office)
- Due Date:
 - Friday, July 3, 2015 by 12:00 (<u>noon</u>) [strict deadline]

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Format & Page Count

- The IEEE format is basically:
 - 2-Column
 - 10-point *Times or Times New Roman* font
 - Single line spacing
- A template is available from the IEEE for:
 - Word or
 - <u>LaTeX</u>: <u>Document Template</u> + <u>Bibliography Template</u>
- Page Count
 - It should be at least 2 pages long.



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Oral Viva

- [optional]
- In addition, students may arrange to present their work to the course coordinator (Surya Singh) as an oral viva
- The purpose of this presentation is to show understanding of the chosen paper and, in particular, the **Signal, Systems and Controls** aspects within it.
- This needs to be scheduled (via email to elec3004@itee.uq.edu.au) in advance
- Viva (if optionally chosen) must be done by **July 3, 2015** at 12:00 (noon)



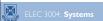
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Things to Consider

- Abstract (short is sweet!)
 - What is the Problem, gap, approach, key results?
- - What is the "scientific gap" (what technical aspects have not yet been solved)?
- Related Work
 - How does prior work relates to this?
- Approach
 - What is the approach?What is the innovation?
- Results
 - What are key results?
 - Main questions that are being investigated in experiment(s)?

 - How is it tested? Data sets, simulator, implementation details
 What is the validation? Simulation of known results? Empirically?
- Summary/Discussions/Conclusion

 - Is the problem discuss with respect to open questions?
 What are some new promising research directions from this?
- References



On the Introduction/Related Work

Consider:

- Does this paper motivate its problem
 - Why does it matter?
 - Why is it not solved yet?
 - What impact would a solution have?
 - What contribution did you make?

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On the Approach/Results

- It doesn't matter how paper got there...
 - "We tried A, it didn't work, therefore we tried B" ⊕
 - "B works. To see, let us consider an obvious alternative A, and show A does not work" ©
- Does it document progress, not just achievement
 - "B works" ⊗
 - "B improves over A (current techniques) by X, which is important because of ..." ©



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Reviewer Background Expertise

Reviewers may not be familiar with your area:

- Problem motivation
- State of the art
- Background material
- Notation
- Measures for evaluation
- Significant application domains

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