

**ROB 537**  
**Learning Based Control**  
**Fall 2017**  
**Homework #4: Paper Review**  
**Due 11/13/2017**

Two papers are available to download in the announcement page of the course website. Provide a review for each. Your review should be professional, thorough and discuss the positive and negative aspects of each paper. The questions below provide a guideline on what to include in your review (about 2 pages for each review):

**1. SUMMARY**

What is this paper about?

What are the main contributions of the paper ?

What are the conclusions?

**2. GENERAL RATINGS**

Please rate the following criteria by using only one of the five following words:

BAD, WEAK, FAIR, GOOD, EXCELLENT.

- a) Presentation/readability/organization:
- b) Problem definition:
- c) Originality:
- d) Significance, Usefulness:
- e) Technical soundness:
- f) Analysis, impact, conclusion:
- g) Background and references:

**3. DETAILED COMMENTS**

- a) Quality of presentation: is the paper well organized? Do you see the “story” the authors attempt to tell? Is it easy to read? Is it (mostly) free of grammar errors/typos?
- b) Problem definition: do you see the big problem the authors want to solve? Is this a theory paper? an algorithms paper? an application paper? Is it clear?
- c) Originality: is the proposed work original? In what way? If not, why not?
- d) Significance: Is this an important problem? why hasn't it been solved before? If solved, what will this improve?
- e) Technical quality: Is the proposed approach sound? Do the experiments support the claims? Are they convincing? Are they repeatable? What else would you like to see to be convinced?
- f) Analysis, conclusions: Do the authors provide sound analysis for their results? Do they provide the implications of the results? Do they highlight the impact? Do they show what future work may improve impact/applicability?
- g) Background, references: Did authors provide the right background? Was there sufficient related work? Were the references useful? sufficient?