

ROB 538  
Autonomous Agents and Multiagent Systems  
Fall 2024  
Homework 5: Paper Review  
Due Nov 26, 2024

Two papers are posted on the assignment page on Canvas (examples of paper reviews are also posted). Provide a review for each paper. 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 3 pages for each review):

1. SUMMARY:

- (a) What is this paper about?
- (b) What are the main contributions of the paper? (state two to three contributions)
- (c) What are the paper's strengths? (state two to three strengths)
- (d) What are the paper's weaknesses? (state as many weaknesses as necessary but at least two)
- (e) 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, or EXCELLENT.

- (a) Presentation, Readability, and Organization
- (b) Problem definition
- (c) Originality
- (d) Significance and Usefulness
- (e) Technical Soundness
- (f) Analysis, Impact, and 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?

Please upload your report as a PDF to Canvas.