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CC:

Subject: IEEE Transactions on Industrial Informatics - Decision on Manuscript ID TII-17-2158.R1

Body: 21-Sep-2017

Manuscript: " Multi-Task Generative Adversarial Nets with Shared Memory for Cross-Domain Coordination Control "

Dear Prof. Wang:

I am pleased to inform you that the above mentioned manuscript has been provisionally accepted for publication in the IEEE Transactions on Industrial Informatics.

However, please delete [2] in the reference list in the final submission.

Please update the manuscript with recently published references. To find references you may use http://tii.ieee-ies.org/IESpub.htm or IEEE XPLORE. Before submitting the final version of manuscript please double check that item 7 on http://tii.ieee-ies.org/o/RR.pdf is fulfilled. You may also check other items from the list.

After a revision please submit within couple weeks all final files following instruction on http://tii.ieee-ies.org/o/SubFM.pdf or http://tii.ieee-ies.org/

Below may be comments of the IEEE Transactions on Industrial Informatics reviewer(s) and Associate Editor which you should consider when returning your manuscript in its final form.

By submitting your final files through Manuscript Central, you are acknowledging and agreeing to any applicable page charges this paper may incur. Overlength page charges are mandatory and are not negotiable. If you have any questions about these charges, please contact the journal Administrator prior to submitting your files.

Sincerely,

Prof.Luo, Ren Editor-in-Chief IEEE Transactions on Industrial Informatics eekman@cityu.edu.hk

Encl.: Reviewer: 1

Comments to the Author

(There are no comments. Please check to see if comments were included as a file attachment with this e-mail or as an attachment in your Author Center.)

Reviewer: 2

Comments to the Author

This paper proposes a online multi-task learning and decision-making approach. The objective of this approach is learing high-dimensional coordination control policies for

coordinating machine actions online for large-scale custom manufacturing task.

An online stochastic planning algorithm is proposed which optimizes the markov network structure in order to avoid expensive global search for the optimal policy.

Experiments are exemplified within a power factory in China.

I think it cloud be accepted after some minor revisions:

1. Please check this term in your paper: "an online...".

2. Page 3, in B. Section, the last sentence "machine's". countability

3. Please check the blank space after the punctuation, e.g., page4:"model:(a) compute rk, and (b) ", page 5:"is to find a optimal coordinating team by running Algorithm2." and left parts.

4. Please check the countability of this term "Algorithm 2" in page 5, e.g., "Algorithm 2 is based on optimistic planning model", "the Algorithm 2 take an online planning", "Algorithm 2 use an online stochastic planning and sampling approach at each time step".

5. I suggest that do not use this term ".etc" in the end of Conclusion, it will find authors that there is still something you have not wrote out.
6. References are not arranged in a good manner, even some have errors, e.g., [3][10][19]. Moreover, there are errors in the title of conferences e..g, "In In Proceedings of".

AE Comments:

Associate Editor

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