

To

Editorial Board Member

11 September 2022

Changyi Lei

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Dear Prof Khan Abdul Qadeer,

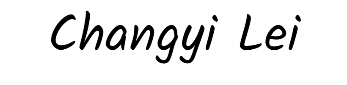
Re: U-model-based Adaptive Sliding Mode Control Using Deep Deterministic Policy Gradient (ID: 8980664) by Changyi Lei, Quanmin Zhu

Many thanks for your instruction for the revision of this study. We have revised the paper in line with the editor and reviewer recommendations and corrections, and positively responded to all of the comments/questions raised. Please find the replies to the editor and the reviewers attached to the cover letter.

In addition, we have shown our gratitude to the editors and the anonymous reviewers for their helpful comments and constructive suggestions with regard to the revision of the paper in the Acknowledgements.

Should you have any further advice with regard to this paper, please contact us again.

Yours sincerely,



**Comment from Editor**

Minor Revision Requested

Authors should revise the paper per reviewers’ comments.

**Comments from Reviewer #1**

It can be accepted.

**Response**

We are very grateful to your advice, which encourages us to enrich the U-model description and the XAI part, which makes the paper more holistic and systematic.

**Comments from Reviewer #2**

The manuscript was improved after the revision. The response to my questions is satisfactory to some extent, although I still do not agree with the combined adaptive SMC control with AI techniques in such a way. The work is valuable to be published. I recommend the revised version with attention to the minor typesetting problems. For example, some figures are not clear enough, Figure 10. **Response**

We have double checked any potential typesetting problems and improved the quality of all figures as much as we can, especially figures of simulation results. Besides, we believe there will be a typesetting procedure to be done by the publisher before the paper is officially published.

We would like to show our respect and appreciation to you. Your rigorous and meticulous comments helped us improve the paper quality to a great extent and constructive advice for the future direction of our research progression.

**Comments from Reviewer #3**

The revised paper is suitable now.

I recommend acceptance of the paper.

**Response**

Thank you very much for your encouragement.