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Both reviewers were pleased with the authors' revised manuscript. It is  
the opinion of the Associate Editor that this paper will be publishable  
in T-RO in some form. However, both reviewers have lingering concerns  
about discrepancies between the purported contribution of the paper and  
what is actually demonstrated. In the next draft of the manuscript, the  
authors are encouraged to be explicit in making sure that the stated  
contributions match what has been shown. This could involve removing or  
softening certain claims, or adding new material to strengthen certain  
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Date of latest decision  
November 12, 2018

In the revised version most of my previous concerns have been

addressed. I think with minor revisions the manuscript could be

suitable for publication.

The remaining issue still comes back to whether the iterative procedure is able to reach all target configurations. The new manuscript shows numerically that the accessible space approaches the entire space for a circular 2D domain. The paper, however, is meant to also cover any convex domains. Can the authors also prove that the accessible space approaches the entire domain for any convex domain? Or at least other polygonal cases? I see that on p4 in the last paragraph of section C, there is a statement that particles can be steered to arbitrary positions, but without an explanation of how that result is obtained, which should be included**. I also think that paragraph should be** **highlighted a little more by a section title (to be parallel with the** **development of the circular workspace).** Assuming this can be explained then I would be satisfied with the manuscript.

Review 2

The authors did a great job in addressing my and the other reviewer's comments in a set of meaningful changes to the manuscript, including new analysis to investigate many of the questions.

The only remaining comment is that the abstract and introduction imply that 3D results are obtained in this work. While this is shown theoretically, no 3D experimental results are shown**. The abstract and introduction should state this explicitly** as this is viewed as a notable limitation in what is actually demonstrated.