Subject: Tmech accepted
From: "Tong Yang" <327300724@qq.com>
Date: 24/04/2020, 7:47 pm
To: "Jaime Valls Miro" <jaime.vallsmiro@uts.edu.au>

Hello Jaime,
I'm happy to tell you that our Tmech paper was accepted, which will be a solid foundation for any other further researches. The official email was only sent to Yue, and I copy it below. Yue and I appreciate your huge effort paid for this paper.
There is a deadline to submit the final files at June 1st, but I think if possible we can finish it before RSS's final result, so that the final submission won't interrupt further research work.
Regards,
Tong

From: MICHEN@ieee.org
To: wangyue@iipc.zju.edu.cn
CC: kmcarthur@jwmconsulting.net, xchen@uwindsor.ca
Subject: TMECH-01-2020-9762.R1 - Accepted - Transactions on Mechatronics
Body: 24-Apr-2020

Dear Dr Wang:

I am pleased to inform you that your manuscript

ID: TMECH-01-2020-9762.R1
Title: Cellular Decomposition for Non-repetitive Coverage Task with Minimum Discontinuities
Paper Type: AIM Concurrent Paper

has been accepted for publication in the IEEE/ASME Transactions on Mechatronics (TMECH). Below are the comments from the Technical Editor and selected Reviewers, which you should consider when submitting your manuscript in its final form. Any attached files that may be referenced with these comments can be accessed in a copy of this decision letter located in your Author Center on Manuscript Central.

PLEASE NOTE that the final PRINTED publication of your AIM Concurrent Paper is subject to the payment of full registration fee by any one of the authors listed in the manuscript for 2020 IEEE/ASME Conference on Advanced Intelligent Mechatronics (AIM 2020) as well as the commitment to present the paper in AIM 2020. Please also note that, in order to expedite the publication process of AIM Concurrent Papers in TMECH, it is mandatory that the registration and submission of your final manuscript on Manuscript Central are completed by June 1, 2020, otherwise, the publication of the paper in TMECH would be delayed. For more information about the AIM 2020 registration, please refer to ras.papercept.net/conferences/scripts/start.pl.

PLEASE NOTE that the final formatted proof copy (from IEEE) of your paper should, under no circumstances, exceed 8 pages. AIM Current Paper will not have author photos and bios. If the final version of your manuscript has any excess pages due to final formatting, you will receive an invoice for overlength charges incurred. The paper will not be published unless the overlength charge is paid.

Also attached to this form is the author checklist, listing all of the items needed for publication. Please go over it carefully and prepare ALL the items requested, including the completed checklist itself. Once you have ALL the items ready, please log on to your Author Center on the Manuscript Central Web site, http://mc.manuscriptcentral.com/tmech-ieee, enter the “manuscripts with decisions” queue, and click the "awaiting final files" link. Please be sure that all files are the final version, and that each item in the list below is included. ONCE YOU MAKE YOUR FINAL SUBMISSION, YOU WILL NOT BE ABLE TO ADD OR CHANGE FILES. The main manuscript file must be included in the final upload, even if you have not made any changes in it since it is the most recently reviewed version. PLEASE DO NOT SUBMIT ANY FILES OR FORMS VIA POST, EMAIL, OR FAX.

In addition to uploading your files, please check that the author-supplied data, such as contact and co-author information in step 3 of the final submission process, is correct and complete. FAILURE TO ENTER COMPLETE AUTHOR AND CO-AUTHOR INFORMATION IN THE DESIGNATED AREA ON MANUSCRIPT CENTRAL MAY RESULT IN PUBLISHING DELAYS.

TMECH has moved to an all electronic copyright submission system. After you have submitted your final files, a link for the ECF will appear in your author center, next to the listing for the paper in the "manuscripts with decisions" queue. After clicking the link you will be brought through a series of questions, and will be able to download a confirmation of your ECF upon completion. Failure to adhere to these guidelines will result in delays in processing the manuscript.

We look forward to seeing your AIM Concurrent paper published in TMECH.

Sincerely,

Dr. I-Ming Chen :: Professor :: Editor-in-Chief, IEEE/ASME Transactions on Mechatronics :: Fellow of Academy of Engineering, Singapore ::

Fellow of IEEE :: Fellow of ASME :: School of Mechanical and Aerospace Engineering :: Nanyang Technological University :: 50 Nanyang Ave, Singapore 639798

Senior Editor: 1
Comments to the Author:
Both TE and reviewers are satisfied with the revision of the paper.

Technical Editor: 2
Comments to the Author:
The paper can be accepted

EIC Notes:

REVIEWERS' SUGGESTIONS:

Reviewer: 1
WHAT ARE THE CONTRIBUTIONS OF THIS PAPER: One major contribution from this paper is that it provides a method by which the workspace can be divided into a number of cells by which the task can be completed with a least number lift offs/discontinuities.

They have also proved mathematically that the discontinuities in a path/task is independent of the actual coverage path. And in their work they have given a method by which the actual path has the same number of discontinuities as proved mathematically which is the minimum.

Reviewer: 2
WHAT ARE THE CONTRIBUTIONS OF THIS PAPER: To derive non-repetitive coverage path solutions, a method is proposed in this paper with a minimal number of discontinuities, which can avoid unnecessary, costly end effector lift-offs for manipulators. The idea itself is interesting and the authors have responded to previous review comments well. Besides, there is one small comment that the unit of time needs to be added in table II.

Reviewer: 1
WHAT ARE SOME WAYS IN WHICH THE PAPER COULD BE IMPROVED: I think, the authors have answered my queries properly. So I dont have much suggestions to offer to the authors.

Reviewer: 2
WHAT ARE SOME WAYS IN WHICH THE PAPER COULD BE IMPROVED: To derive non-repetitive coverage path solutions, a method is proposed in this paper with a minimal number of discontinuities, which can avoid unnecessary, costly end effector lift-offs for manipulators. The idea itself is interesting and the authors have responded to previous review comments well. Besides, there is one small comment that the unit of time needs to be added in table II.

Reviewer: 1

Comments to the Author
Dear authors,
Thank you very much for answering my queries well. Wish you all the best.

Reviewer: 2

Comments to the Author
To derive non-repetitive coverage path solutions, a method is proposed in this paper with a minimal number of discontinuities, which can avoid unnecessary, costly end effector lift-offs for manipulators. The idea itself is interesting and the authors have responded to previous review comments well. Besides, there is one small comment that the unit of time needs to be added in table II.

Date Sent: 24-Apr-2020