

Name: Yupeng Zhang
Reviewer: Elizabeth Ramirez
Number: 25796
Round of review: 1

Thesis and Dissertation Services Review

Please take the following actions:

- Review the checklist below for all changes which need to be made in order for your manuscript to be approved. **Checked items require your attention.**
- Feedback may be broad and generalized, pointing to patterns of problems within the document. While Thesis and Dissertation Services may point out a specific example to you, it will be your responsibility to review and correct the entirety of the document to address all instances of any indicated problems.
- Consult Thesis and Dissertation Services online resources at <http://thesis.tamu.edu> - [Thesis Manual](#), [Online Pre-submittal Conference Tutorial](#), Thesis and Dissertation Services instructional handouts - or contact us directly at (979)845-3631 if you need additional guidance.
- Make the necessary changes to your document, re-convert to PDF, and replace the ETD file in the [Electronic Submittal System, Vireo](#).

Preliminary Pages

- Title Page.** See Thesis & Dissertation Manual pages 23-24 for instructions and a sample page.
 - The title page now combines information previously found on the title, copyright, and approval pages. See the Thesis & Dissertation Manual for format and content requirements.
 - Delete Approved by from above the committee list.
 - Change Office of Graduate Studies to Office of Graduate and Professional Studies in the submittal statement.
 - Remove Dr./Prof. from all members' names.
 - Your name must match University records exactly.

Please remove "B.E.; M.S." from author's name.

Please change "Office of Graduate and Professional Studies" to "Graduate and Professional School" in the submittal statement.

Modified as suggested.

http://thesis.tamu.edu	rev. 11/22/2021	thesis@tamu.edu
College Station, TX 77843-1113	Page 1 of 6	

- Abstract.** See Thesis and Dissertation Manual pages 25-26 for instructions and a sample.
 - The abstract should only contain the ABSTRACT heading and the body text. Remove the preliminary information.
 - Abstract is too long. We highly recommend that you shorten to approximately 350 words.
 - Abstract should be a stand-alone document. Please remove formal citations and/or specific references to chapters/sections of the dissertation.
 - Please review and revise for grammar.
 - Abstract should present a complete snapshot of your research. Please review to ensure you have covered purpose, methods, findings and conclusions.
 - Abstract must be page number ii. Renumber all preliminary pages. Update Table of Contents.

The dissertation committee believes that the length of the current abstract is fine.

- Contributors and Funding Sources.** See Thesis & Dissertation Manual pages 29-32 for instructions and a sample page.

Please add a "Contributors and Funding Sources" page. See Thesis & Dissertation Manual p. 10 for an example and instructions.

Added the Section of Contributors and Funding Sources.

Text

http://thesis.tamu.edu	rev. 11/22/2021	thesis@tamu.edu
College Station, TX 77843-1113	Page 2 of 6	

- Copyright Permissions.** If you are using material from a copyrighted source (and/or using your previously published work), proper credit must be given on the first page of the chapter or section containing the material; or, for images, survey instruments, etc. in close proximity to the copyrighted material. See Thesis & Dissertation Manual pages 5-7 and Thesis & Dissertation Services handout "[Permission to Use Copyrighted Material](#)" in the Policies section of our website.

Have you previously published any material in your dissertation? If so, include a properly formatted attribution footnote(s) on the first page of the major chapter(s)/section(s) in which the previously published material appears using the handout above as a guide. Also, provide us with permissions/screenshots indicating that you have permission to include the material in your dissertation.

This is a standard comment; does it apply to your document? For more information regarding copyright permissions, please go to <https://tamu.libguides.com/copyright>.

1. 4 papers have been published in the dissertation.
2. Footnotes were added on the first page of the relevant chapters.
3. The permissions for reprint in the dissertation have been uploaded (Elsevier, ASME and the Royal Society).

Figures and Tables

http://thesis.tamu.edu	rev. 11/22/2021	thesis@tamu.edu
College Station, TX 77843-1113	Page 3 of 6	

- ☑ **Reprinted Figures/Tables.** Figures/Tables from other sources must have an attribution (Author, Date) or Reference number at the end of the title. This source must be included in the list of references.

Are you using any figures/tables, etc. that have previously been published by another author/entity? If you are using previously published (reprinted) figures/tables, have you done a Fair Use Analysis? If the figures/tables fall under fair use, then they need to be cited at the end of the figure/table caption with "Reprinted from [text mention]." The complete reference should then be found in the reference section. While we do not need a copy of the Fair Use Analysis, please keep it for your records. If they do not fall under fair use, you will need to ask the copyright holder for permission to reprint the affected figures/tables and forward the permission to thesis@tamu.edu. Please identify to which figure the permission pertains in the email. Also, include the following wording at the end of the figure/table caption: "Reprinted with permission from [text mention]." If you have adapted or modified information from another author's figures/tables to create ones that are original to you, permission is not necessary; however, please add wording such as "adapted from" or "modified from" in the figure/table title and add a reference text mention. Add a corresponding reference for the text mention also.

This is a standard comment; does it apply to your document?

1. All the reprinted figures and tables are in the previously published journal papers, whose permissions for reprint in the dissertation have been uploaded (Elsevier, ASME and the Royal Society).

References

http://thesis.tamu.edu	rev. 11/22/2021	thesis@tamu.edu
College Station, TX 77843-1113	Page 4 of 6	

- Reference Content.** All references must contain sufficient information for retrieval. See Thesis & Dissertation Manual page 19.

Please understand that it is your responsibility to make sure that each reference contains all necessary retrieval information and that each one is properly formatted, according to your departmental guidelines. Additionally, you must make sure that for every reference listed, there is a corresponding and accurate text mention and that every text mention has a corresponding and accurate reference. Doing this will assure a high quality and professional looking document.

Note that it is standard procedure to alert students in the first round of review to check their references. It is a friendly reminder.

All references already contain sufficient information retrieval.

End Materials and Others

- Appendixes.** Appendixes are optional and used for supplementary material. All Appendix pages need to be numbered; page numbers are continued from the last page of the references. All material must fit within the established margins of the document and be readable in size and legibility. See Thesis & Dissertation Manual pages 20-21.

Please place the labels "Appendix A," "Appendix B," and "Appendix C" in the text of your document on the corresponding pages they occur in the Table of Contents.

Modified as suggested.

- Other Comments.**

Remove the journal model sentence from page 1.

Remove the Vita.

Please contact me at eramirez4520@tamu.edu if you have any questions.

Modified as suggested.

- Other Requirements.** Submit the following forms and/or complete the requirements indicated (if checked).
 - Copyright and Availability Form
 - Survey of Earned Doctorates and AAUDE Survey
 - Apply for Graduation
 - Register for the Current Semester
 - Submit Copyright Permissions for Previously Published Materials
 - Oral exam/defense results. Check with your Chair or department on the status of your exam results.
 - Provide a permanent non-TAMU Email address

Submit permissions if needed for the usage of previously published material of your own or that of another author such as for a figure/table. Send permissions to thesis@tam.u.edu or upload them in Vireo as administrative files. Please identify to which portion of your dissertation each permission pertains in the file name.

Copyright permissions for previously published papers have been uploaded (Elsevier, ASME and the Royal Society).

http://thesis.tamu.edu	rev. 11/22/2021	thesis@tam.u.edu
College Station, TX 77843-1113	Page 6 of 6	