

Rebuttal letter - JoVE article v2

Dear editorial staff,

thank you for your patience. The JoVE-specific format is very different to us. We have included your comments. Below you will find our response.

Best regards

the authors

Statement on the editorial comments

- *Please proofread the manuscript well. Please use American English throughout.*

A: We have proofread the manuscript and have used American English throughout.

--

- *Step 1.1: Please include the details about the supplementary file... supplementary file name or number.*

A: We have structured the Supplementary as follows:

1. Supplementary Animations containing animations

2. Supplementary Data containing the following folders:

1. *CAD*: CAD Data for:

1. ControlBox
2. Molds
3. TestBench

2. *Code*: Code to run on the single board computers and the monitor

3. *current_exp*: Exemplary measurement files

4. *Calibration*: Scripts used for calibration procedure

5. *ExpEvaluation*: Scripts used for performance evaluation

3. Supplementary Figures containing figures

4. Supplementary Files containing an instruction for configuring the BBB and a print template for the visual markers

--

- *Step 1.2: What kind of supporting structures are added? Please include details.*

A: We have specified the corresponding step.

--

- *Step 1.4: How is this done?*

A: We have added an explanation.

--

- *Step 3.4: Please explain what is being referenced here.*

A: We have added an explanation in the paragraph. Additionally, the Supplementary

Figure 2 Legend explains the phenomenon.

--

- Step 3.9: *Like? please include some examples.*

A: We have added the Supplementary Figure 3 to illustrate good and bad examples of the base part.

--

- Supplementary Figure 6: *Please remove the legend from the figure and move it to the figure legend section of the manuscript.*

A: We have done so.

--

- Step 8.1: *Please include the name of the file.*

A: We have done so.

--

- Step 8.2: *All figures need to be referenced in the order. So figure 12 should be referenced after 8,9, 10, 11. Please reorganize and renumber accordingly.*

A: We have reorganized the figures, such that they appear in the order.

--

- Supplementary File 1: *This is commercial. If using commercial commands to perform this procedure, please remove this and include as per the manufacturer's recommendation (and reference the document either in the table of materials or in the references as citation)*

A: What do you mean with "This is commercial"? The file describes how to configure the BeagleBone and was created by one of the authors (Lars Schiller). It uses standard programming language.

--

- Step 8.5: *Please name and number this file as it is confusing otherwise.*

A: We have done so.

--

- Step 9.1: *Please name and number this file as it is confusing otherwise.*

A: We have done so.

--

- Step 9.2: *Please name and number this file as it is confusing otherwise.*

A: We have done so.

--

- Step 9.4: *Please expand.*

A: We have done so.

--

- Step 11: *If steps are highlighted, please highlight the subheading as well.*

A: We have removed all highlights from the headings. Only subheading (or actual process steps) are highlighted now. This is valid for the editor we use (LibreOffice Writer on Debian 10) and might be different on another machine.

--

- Representative Results: *How do you check this looking at the figure.*

A: We have added a explanation and modified Figure 3 in order to highlight the performance improvement.

--

- Figure and Table Legends: *Please include the legends for all the supplementary figures to be included with the manuscript 1-20. Please include the legend for animated figures and reference them in the manuscript.*

A: We have included Legends for all Supplementary Figures, Supplementary Animations, Supplementary Files and Supplementary Data.

--

- Figure 2: *Please include a one liner title.*

A: We have done so.

--

- Discussion: *Please include limitations and future application of the protocol.*

A: We have added a discussion of limitations of the manufacturing method at the end of the first paragraph. We have added a discussion of limitations of the control box as a second paragraph. We have moved the discussion of limitations of the climbing experiment from the Representative Results section to the Discussion section. Last, we have added a final paragraph discussing the future applications of each presented method.

--

- Discussion/Apriltags: *Where is this done in the protocol.*

A: We have renamed "apriltags" to visual markers and references to the corresponding section.

--

- Discussion/Calibration: *Please do not make subpoints. Please write in paragraph style.*

A: We have moved the listing to the Supplementary Figure Legend.

Highlighted Content

Please find attached the file "v2_JoVE_Manuscript_yellow_proof.docx". This document contains only the highlighted content. In the text editor we use (LibreOffice Writer on Debian

10), this is less than 2.75 pages.

Track of changes

Please find attached the file "v2_JoVE_Manuscript_track_of_changes.docx". In this document all changes with respect to the last submitted version are marked blue.