*Please take this opportunity to thoroughly proofread the manuscript to ensure that there are no spelling or grammar issues. The JoVE editor will not copy-edit your manuscript and any errors in the submitted revision may be present in the published version.*

Done

*2. Please ensure that all text in the protocol section is written in the imperative tense as if telling someone how to do the technique (e.g., “Do this,” “Ensure that,” etc.). The actions should be described in the imperative tense in complete sentences wherever possible. Avoid usage of phrases such as “could be,” “should be,” and “would be” throughout the Protocol. Any text that cannot be written in the imperative tense may be added as a “Note.” However, notes should be concise and used sparingly. Please include all safety procedures and use of hoods, etc.*

Done

*3. The Protocol should contain only action items that direct the reader to do something. Please move the discussion about the protocol to the Discussion.*

Done

*4. Please provide the values used in the experimental design. We need specific values in order to film.*

Since we are using commercial software we don’t have “values”, except for the loading forces, but rather input files that cannot be provided to the readers (of course they may be used to film)

*5. Can the design files (.stl, etc.) be provided?*

STL files are provided

*6. Please provide a short description of each Figure in the legends.*

Done

*7. Please combine all panels of a Figure into one image file.*

Figure 5a-5b-6a-6b were combined in two ways, one group of four or two groups of two. So, you have the single pictures or combined image files that you may choose to use.

Figure 14a and 14b were combined.

*8. Table 1 Legend: Do you mean Figure 7?*

No is Table 1 Legend. Table 1 was submitted some days later but is in your web site.

*9. Figure 7/8: What do the numbers and letters mean?*

For figure 7 it becomes clear once read together with Table 1-

For Figure 8 are loading direction cases.

*10. Figure 10: What are the units of the schematic?*

They are mm. as cited in the text

*11. Figure 13/14: Please use periods as decimals instead of commas.*

Unfortunately, the figure is produced by the software and it is not possible to change this feature. The dimensions are not relevant, so they were removed.

*12. Where are the Tables?*

They were submitted to the submission website some days later.  
  
**Reviewers' comments:**  
  
  
  
**Reviewer #1:**  
*Manuscript Summary:  
This work reported in this article discusses some relevant aspects of the structural design process of a full carbon fiber reinforced plastic solar vehicle. It presents the protocols used for the design of the lamination sequence of the chassis, for the leaf springs structural analysis and crash testing using numerical simulation of the vehicle.  
  
Major Concerns:  
1. Citation to references:  
Line 52: "... in the distant 1955: it was a tiny 15-inch model, made up of 12 selenium ..." Reference is needed here.*

Done

*Line 56: "The design of a solar vehicle1 is ..." I do not see the necessity of reference here.*

Ref. 1 is the fundamental text on the argument, it should be cited elsewhere in any case.

*2. Symbols are missing, see line 397 and 398; 411 – 413*

I see all the symbols, maybe there is incompatibility of the files with the text editor.  
  
*Minor Concerns:  
Minor editorial problems.*  
  
**Reviewer #2:**  
*Manuscript Summary:  
This manuscript may be accepted in the same form  
Good work*