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Natural Hazards and Earth System Sciences
Discussions

Interactive comment on "An Automated Technique for Damage Mapping after Earthquakes by Detecting Changes between High-Resolution Images" *by* Tianyu Ci et al.

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Dear reviewer:

Thank you for your comments concerning our manuscript entitled "An technique for rapid damage mapping after earthquakes by detecting changes between high-resolution images". Those comments are all valuable and very helpful for revising and improving our paper, as well as the important guiding significance to our researches. We have studied comments carefully and have made correction which we hope meet with approval. Revised portion are marked in red in the paper. The responds to your comments are following:

A native speaker must check the language.

ResponseïijŽwe have used a service of English editing.

Detecting changes is a well established method and I would like to see more the innovative part in this article. New ideas must be mentioned and the introduction is not sufficient enough. It is only a text for previous work. What about the accuracy of this method? Did you use ground control points? I have also some remarks.

Response :The accuracy was discussed in section 6. We did not use ground truth as we don't have that data.

Line 25 remote sensing is an efficient tool, please correct, it is not a tool.

Response: Done

Line 37 reference is missing, line 101 the verb is to assess not to assessment, line 217 reference is missing, line 218 please add the reference of Irwin Sobel 2014.

Response: Thank you for this comments. We have modified them.

Line 227 what does it mean low precision calibration? Section 3.3 how do you improve the gradient similarity index?

Response: We have delete the old line 227. In section 3.3, A smoothing-like filter was used for registration-noise reduction.

Figure 8 image processing and not porcessing.

Response: we have modified the figure.

Special thanks to you for your good comments.

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