Paper: Cloud-based Images Retrieval using GPU Platforms

Responses to reviewers

a. Reviewer 1:

1. **Question 1:** this paper introduces a cloud-based platform for content-based image retrieval. The manuscript is written and organized well. However, I’d like to suggest the authors to enrich the experiments. More image databases could be considered to verify their method.

   **Response 1:** thank for the interesting remarks and suggestions. We have enriched our experiments (Section 4) in the new version using larger and more diversified databases such as Corel-10k and GIHIM. The Corel database presents 10000 images of size 192x128, classed in 100 categories where each class contains 100 images. The GHIM-10k database contains also 10000 images of size 300x400, classed in 20 classes where each category contains 500 images. These experiments confirmed our previous results by the improvement of accuracy thanks to the efficient combination of SIFT and SURF descriptors.

2. **Question 2:** also, are there any comparisons could be added to prove the effectiveness of your approach?

   **Response 2:** Indeed, as consequence of increasing our databases, we measured the precision (Section 4) in terms of Recall/Precision when selecting more images (Top 50). Notice that in the previous version, the precision was computed for the most similar 20 images (Top 20).

3. **Question 3:** furthermore, the following literature could be added to enrich your reference.

   - SAR image content retrieval based on fuzzy similarity and relevance feedback.
   - Unsupervised deep feature learning for remote sensing image retrieval

   **Response 3:** The proposed references are included and cited in the new version of the paper (Section 1.1). These references are well related to our multimedia retrieval approach. Actually, we work on exploiting unsupervised deep features for improving the precision of our approach when using massive volumes. The use of relevance feedback presents also one our main perspectives. This allows to exploit the user feedback in order provide more relevant results for queries.