Thursday, 16 Nov 2017, 11AM, Chris’s Room

Present: Chris, Gib, Hashem, Jagir

**To do lists:**

- In the optimisation Report: provide a better understanding of the objective function (Wednesday)

- In the optimisation Report: we have a problem visualising the results (Failed to see them altogether)

- Finalise the mesh paint report (Deadline for the submission is Friday 17/11/2017) (Wednesday emailed, and good comments received, more discussion on the meeting)

- Getting an account from NeSI, and trying to use their computation abilities (No response up to Thursday)

- Applying the New boundary condition and solving with that – (Weekend and Monday)

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**Issues and topics discussed in meeting:**

In most of the times we were discussing the issues with the Mesh Paint write up:

* Using one normalised mesh and modifying other meshes need to be reported in this stage.
* We need actual results, and how these results are achieved.
* Applying local transformation is not used for these meshes and cannot be reported.
* There is not much mathematics in this report, which makes it not relevant to the topic.

Then we discussed about how to define RMS error with the problem.

Also how to visualise the in cmgui in different regions

Results of applying new boundary condition also reported, better results without forced displacement B.Cs

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**Next Week’s plan:**

- Based on the comments, Apply final updates of the Optimisation Report, deadline is tomorrow (Very Urgent)

- Removing the small issues for the registration of the 4x4 meshes.

- Trying to hpc2 for running. (Urgent)

- We need three RMS errors for inner and outer nodes as well as length index.

Updating the optimization report with: RMS errors + new data set+ visualisation issues+ comparing B.Cs.

- Implementing a simple example of non-rigid registration with optimisation.

Meeting closed 12:11.