Follow up 5/5/2011 meeting

Attendees: Clamann, Jeon, Kaber (Skype), Gil, Qin, Zhu (Skype)

Hello everyone,
As a follow-up to the meeting on 5/27/2011, below are the notes and the action items I recorded. Please advise if I have missed anything.

Meeting Notes

1. NSF technical report draft
   1) We discussed what we needed to modify contents in the draft.
      i. Biwen:
         1. Change Table 2 to graph format.
         2. Change graph format (gray scale).
      ii. Caesar:
          1. Fill out ROCF column in Table 4.
          2. Change figure labels (Figure 7 & 8).
      iii. Michael:
          1. Draft separate file for the study plan for year 3 including...
             a. New VR features (Linus)
             b. Enhanced ROCF scoring method (Dr. Tupler & Caesar)
      iv. Gukho:
          1. Draft separate file for contribution for each member.

2. Study plan for year 3
   1) How to select subjects & assign fMRI test.
      i. Dr. Kaber: students and patients as a block
      ii. Dr. Tupler: we can control students & patients as two conditions with using dominant hand or un-dominant hand.
         1. For example:
            a. Block 1: Students (dominant & un-dominant hand) with Aug+ (Augmented plus including new features)
            b. Block 2: Students (dominant & un-dominant) & fMRI with Aug+
            c. Block 3: TBI Patients & fMRI
   2) How to decide sample size:
      i. We can try to calculate power and sample size based on previous study (Y2). However, our full experiment will not be the same. So, it could depend on the number of patients (maybe 4 patients).

3. New augmented VR features DEMO.
1) I uploaded video in the website.
   i. First video: Linus explained 1:2 gain control feature and auditory cues.
   ii. Second video: Michael tried 1:2 gain control feature and auditory cues and gave feedback.
       1. 1:2 gain control looks very good and turn all the way to make a certain pattern. However, some of the auditory cues are too loud. So, he will try to find subtle sound effects for the auditory cues.
   iii. Third video: Linus explained 1:3 gain control.
   iv. Forth video: Michael tested and added comments.
       1. 1:3 gain control may not be intuitive. It is not easy to understand how I control the block. He likes 1:2 gain control.

These are all the items that I noted or recalled from the meeting. If you have other points, please let me know.
Guk-Ho Gil