Meeting n. 3:

Software Engineering Project

By: Antoine Merlet

Professor: Dr. Yohan Fougerolle, Dr. Cansen Jiang, Dr. David Strubel

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This third meeting was held on 27, November 2017, with all the group members.

I.   ACHIEVED GOALS

Here is the state of the project at the time of the meeting:

- Previous projects are running on each member computer

- All the previous report were read

- Marcio: Managed to interface the Kinect and his computer. Data acquisition can be performed with the Kinect SDK or using the project 3D-Korn

- Mladen: Started the study of the previous groups GUI. 3D-Korn is best overall, and the-scanner has interesting setting possibilities for ICP.

- Gulnur: Reading papers for registration process, mostly for ICP. Attention is currently given to ICP based on Kd-tree, with complexity reduction against usual ICP. Looking into GPA+ICP and Geometric features + ICP

- Antoine: Started reviewing the code. Selected 3D-Korn and the-scanner are selected for code inspiration/improvement.

Here are the goals to reach for next week:

- For Marcio, Mladen and Antoine: Finish all review and design by this week, start coding next week.

- for Gulnur: Continue readingfor ICP improvement, "prototype" on matlab to see efficiency.

- Marci: try to fix PCD saving, try vertical acquisition.

- Mladen: Learn about slots and GUI building.

- Antoine: Start to extract good functions from previous code, produce UML class diagram.