Meeting Minute Nemec 06.05.2020

Topics:

Microcontroller: The Biodex System is over 30 years old, so, another students group made the programming for the currently used microcontroller. In the folders we got from Ms. Nemec are all documents that are available from that project, but there is no documentation that we could have a look into.

GUI: Ms. Nemec couldn’t really explain how the values from the calculations from the GUI are referenced. She thinks they come from the calibration process and we should not be bothered about them.

Process of Measurement: The Microcontroller is fully controlled by the GUI and it does not generate any files. The interesting files that should be saved into the database are in the folder WMDR\_Projekt\_Groll\_Schmoldas\_Starzengruber in Biodex. The other folders are not interesting for us. These files are matlab tables that are easy to handle and should not be a huge problem to save into a database. The Biodex system is used to measure MVC (Maximum volume contractions). So probands execute one repetition with maximum force. Afterwards they measure some further contraction with less force like 70%. These measurements of one proband should be saved as one measurement set.

C#: I have also mentioned that we had the idea of writing the program with C#. Nemec said that for her it would be OK, it just has to be documented properly.

ELGA: There was also the topic of referencing to the Elga system. I inserted that if we follow the suggestions of Sauermann we will end up with an application that creates lab reports. Nemec said that she believes that there should be documentation on the Biodex website on how to integrate current Biodex systems (verisons 8-9, we have version 2) into health care systems. The Elga point is not one of the biggest interests for her but it has to be included.