Meeting 11/06/2020

Just focus upon the channels that show a clear response for the time being to reduce the dimensionality

Sampling rate – time – where in the array these things happen

Check for ground truth, see if these is documentation that says when they events occur, what events that exist,

Make an excel sheet, where the events happen, where in the array that they are and whether an event occurs or not.

Grab the areas that can be considered normal activity

I want to select features where events happen and events where nothing happens.

Before and during.

Start analysing smaller segments, 512 to 1024 elements

Split the data

The length of the sequence can be different in the raw data.

3 or 4 frames within the normal area

If someone gives the signal and you have a sliding window algorithm, run it through the entire signal and figure out the different signals.

We know the ground truth, see which features I can identify versus what is actually there – elementwise classification.

Start with a simple one and then work on generalisation afterwards. - add more as time goes on.

End product, given a signal, highlight an event start and finish – ideally this wants to be a sliding window type product.

Compile a list of papers that include signal analysis techniques and possible feature extraction techniques that I can use.

Focus upon compiling the spreadsheet of the data not the actual feature extraction / signal processing side of things for the time being. Ready to show the data, current analysis and further steps for next week’s meeting.

Have a look at applying for the PhD at the moment, he things that I am capable of doing so. It may become a choice that is out of my hands, i.e. a situation where the PhDs are not available and therefore, I have to go into industry anyways.

Think about where I want to be in 5 years’ time.