

Meeting 4 with Prof Rubin

2 October 2017, 11:00

- Peter and Joyce don't really have many questions because they had a breakthrough with their issues so they are good on their side.
 - Joyce found some filter made by a Chinese professor who managed to take the voice back from MFCC to time domain and it sounds pretty good so they will experiment with that. He used a number of filters, as he used more filters the voice output sounded better.
 - L1 normalisation, Joyce still needs to figure out how it works and read the paper properly.
- We are using the LPC coefficients methods.
 - Getting LPC coefficients to map the vocal tract & using them to try change how the robo voice sounds.
 - We will be needing pre- and post- processing.
 - Megan Russell, a student who found some software from Spain. She wrote a PhD thesis on artificial larynx. Look through her references and see if you can find anything.
 - If LPC looks promising then stay with it, if you're finding it's not working great then go back to MFCC and have multiple methods that you can demonstrate your lab approach.
 - If it's not taking off then you need to go back and demonstrate the weaknesses and strengths of both.