

MEng Final Year Project: Audio Signal Zoom for Small Microphone Arrays

Project Supervisor: Dr. Patrick Naylor
Project Lead: Chi Hang Leung
Project Start Date: 10/16/2017 (Monday)

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				Days	Done	W	ε	W	ε	W	ε	W	ε
						##	##	##	##	##	##	##	##
WBS	Task	Start	End			M	M	M	M	M	M	M	
1	Capturing Audio Data and Establishing Testbench	Mon 16/10/17	Sun 17/12/17	9	##								
1.1	Research on Room Acoustics and Generating Room Impulse Response (RIR)	Mon 16/10/17	Sun 05/11/17	3	##								
1.2	Capturing/Fetching Anechoic Speech Examples from available Databases	Mon 23/10/17	Sun 29/10/17	1	##								
1.3	Developing the RIR Generator Software	Mon 30/10/17	Sun 26/11/17	4	##								
1.4	Creating Test Cases with Scenarios with Different Microphones and Speaker Location	Mon 20/11/17	Sun 03/12/17	2	##								
1.5	Generating the Room Impulse Response and Filter the Anechoic Audio Data	Mon 04/12/17	Sun 17/12/17	2	##								
2	Developing Processing Algorithm	Mon 18/12/17	Sun 06/05/18	20	##								
2.1	Background Research on Time-Frequency Analysis	Mon 18/12/17	Sun 14/01/18	4	##								
2.2	Familiarising with Time-Frequency Analysis using Spectrogram and Overlap-add Method	Mon 08/01/18	Sun 21/01/18	2	##								
2.3	Experimenting Binary Oracle Mask based on Phase Difference of Arrival	Mon 15/01/18	Sun 04/02/18	3	##								
2.4	Background Reading on Clustering	Mon 29/01/18	Sun 25/02/18	4	##								

