Description of sample wav files

The sample_wave_files folder contains 6 folders, each contains 4 sample .wav files generated by different schemes including (Input-Tracheoesophageal speech, proposed TE2N, 4 baseline cases).

Brief description of different schemes:

1) tracheoesophageal_speech
Folder location: Sample_wave_files/tracheoesophageal_speech
These are the recorded speech from a laryngectomee.

2) Baseline-1(B1)
Folder location: Sample_wave_files/B1_TE_to_neutral_without_whisperization
These are reconstructed neutral speech from TE speech without whisperizing it prior to the neutral speech synthesis.

3) Baseline-2(B2)
Folder location: Sample_wave_files/B2_TE_to_neutral_without_whisperization
These are similar to B1, with residual substituted with Gaussian white noise in neutral speech synthesis.

4) Baseline-3(B3)
Folder location:
Sample_wave_files/B3_TE_to_neutral_with_Mcloughlin_et_al_method
These are reconstructed neutral speech from TE speech using a method proposed by Mcloughlin et. Al [1].

5) Baseline-4(B4)
Folder location:
Sample_wave_files/B4_TE_to_neutral_with_Mcloughlin_et._al_method_with_whisperization
These are similar to B3, While B3 takes the TE speech, directly as input, B4 considers the whisperized speech as input.

6) proposed_TE2N
Folder location: Sample_wave_files/proposed_TE2N
These are reconstructed neutral speech using proposed TE-Speech to neutral speech conversion method.

1) I. V. Mcloughlin, H. R. Sharifzadeh, S. L. Tan, J. Li, and Y. Song, "Reconstruction of phonated speech from whispers using formant-derived plausible pitch modulation," ACM Trans. Access. Comput., vol. 6, no. 4, pp. 12:1–12:21, May 2015.[Online]. Available: http://doi.acm.org/10.1145/2737724