

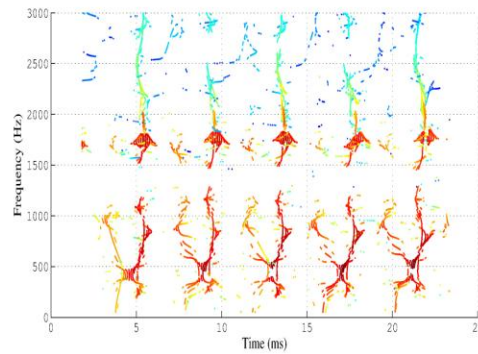
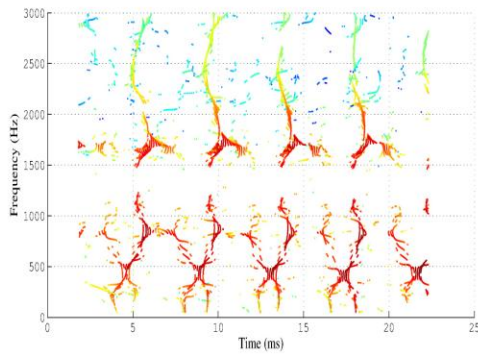
"Methods of Identification using Voice Sound Analysis" by Dr. Sean Fulop

Each image is obtained from a very short segment (around 50 milliseconds) of a vowel sound. The images show an analysis of the voice sound, using a specially designed method (the reassigned spectrogram, mentioned in the abstract). The analysis for the images is not covered by the patent (it is public domain), but the application to voice sound comparison is the subject of the patent.

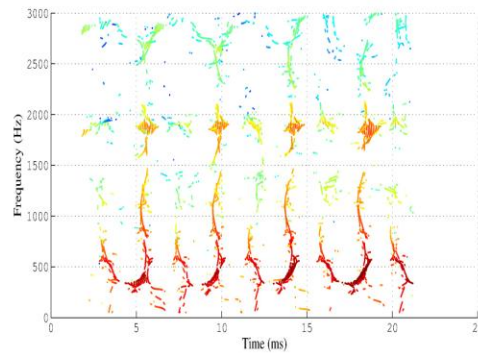
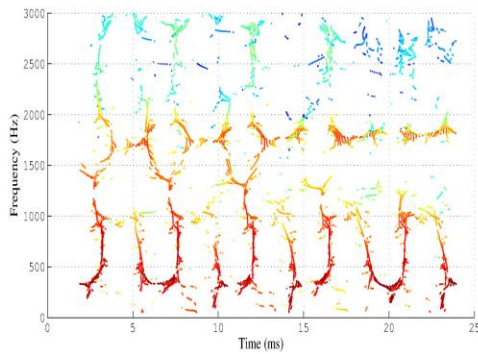
Each row shows two different repetitions made by a speaker. The similarities within each speaker's voice are easy to observe, as are the large differences between the different speakers.

First utterance

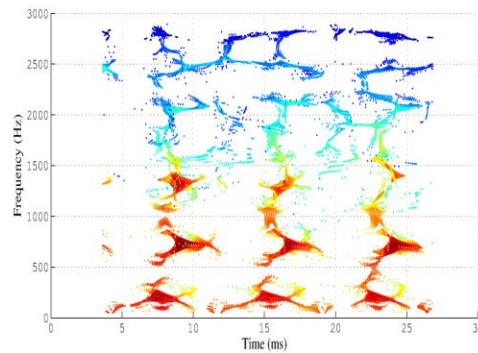
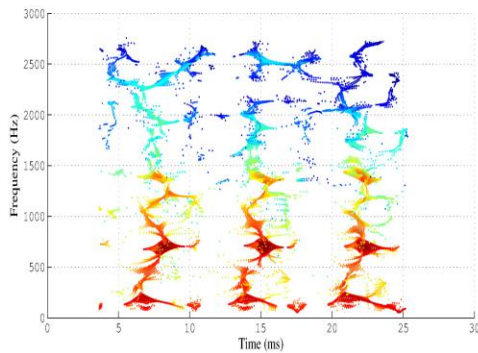
Repeated utterance



Speaker 1



Speaker 2



Speaker 3