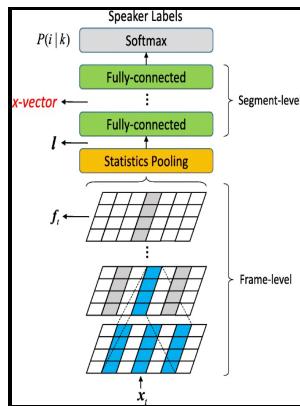


Comparison of some speaker recognition techniques.

The Author] - An Overview of Speaker Recognition Technology



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An Overview of Speaker Recognition Technology

It allows people to express emotions and verbally share feelings. This section presents a brief discussion on the various options that are available when designing a multimodal biometric system

CiteSeerX — An experimental comparison of modelling techniques for speaker recognition under limited data condition

Fusion can be done either prior to matching or after applying the matchers on the input data. The present work gives an experimental evaluation of the modelling techniques like Crisp Vector Quantization CVQ , Fuzzy Vector Quantization FVQ , Self-Organizing Map SOM , Learning Vector Quantization LVQ , and Gaussian Mixture Model GMM classifiers.

Types of Speech Recognition

Query by humming is a very popular MIR application. Abstract-level fusion refers to a combination technique where the only information available for fusion is the decision made by each modality e. In the telecommunications sector, speech coders are essential in digital and packet telephony, for traditional voice circuits as well as over the Internet.

Speaker Recognition

The aim of digital speech processing is to take advantage of digital computing techniques to process the speech signal for increased understanding, improved communication, and increased efficiency and productivity associated with speech activities. Different speech creates different shapes on the graph. In the consumer products sector, toys incorporating speech synthesis and recognition have been available for years, and talking appliances and alarm announcement systems are also beginning to appear in household appliances.

[PDF] Comparison of Different Speech Feature Extraction Techniques with and without Wavelet Transform to Kannada Speech Recognition

However, it requires robust algorithms to handle the different sequence of events. The former requires the speaker to provide utterances of key words or sentences, the same text being used for both training and recognition.

Types of Speech Recognition

It is designed for recognizing specific information, primarily by callers into a telephone IVR. Subsequently, the outer lip contour is tracked using a combination of a GVF and a parabolic template see also Fig. Speaker-dependent software works by learning the unique characteristics of a single person's voice, in a way similar to voice recognition.

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