Abstract

The Speech is most major & prime mode of Communication among human beings. The communication among human and computer is referred as human computer interface. Speech can be used to commune with computer. The speech recognition research is becoming more and more determined. Today, researchers are trying to making an effort to extend the capabilities of what computers can do with the spoken words. This paper consists of the classification of algorithms through which an uttered word can be converted to computer intelligible form. The challenges in speech recognition will be enumerated and analyzed for the most popular recognition techniques used today. The analysis ends with a brief description of some of the applications of speech recognition.

References

Survey paper on Different Speech Recognition Algorithm: Challenges and Techniques


22. Google voice search: faster and more accurate, Google Research blog, Thursday,
September 24, 2015,
https://research.googleblog.com/2015/09/google-voice-search-faster-and-more.html

Index Terms

Computer Science  Signal Processing

Keywords

Speech Recognition, Hidden Markov Model, Artificial Intelligence, Pattern Recognition, Neural Network.