Abstract

In this paper, we provide a concise overview for the user identification using his biometric...
featurespeech. Voice processing has multiple fields of research and is widely used in many applications. Speaker recognition to identify user is a complex process in which various techniques (feature extraction, feature matching, and identification) is used to match varied characteristics of voice between training and testing data to identify the user. This paper aims to discuss efficient method to implement the identification of user on basis of their biometric feature- speech.

References

- Dr. Mahesh S. Chavan, Mrs. Sharada V. Chougule, "Speaker Features And Recognition Techniques: A Review"; International Journal Of Computational Engineering Research / ISSN: 2250–3005
- Michelle Cutajar, Edward Gatt, Ivan Grech, Owen Casha, Joseph Micalef, University of Malta, Tal-Qroqq, Msida, MSD 2080, Malta; &quot;Comparative study of automatic speech recognition Techniques&quot;; ietdl, 2012
- Parvati J. Chaudhary1, Kinjal M. Vagadia; &quot;A Review Article on Speaker Recognition with Feature Extraction&quot;; IJetae, ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 5, Issue 2, February 2015
- Sandeep Joshi, Parag Parandkar; &quot;A Review of Feature Extraction Technique for Automatic Speech Recognition&quot;; International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064, 2012
- B. S. Atal; &quot;Automatic recognition of speakers from their voices&quot;; Proc. IEEE, vol. 64(4), pp. 460-75, Apr. 1976
- G. Doddington; &quot;Speaker recognition -identifying people by their voices&quot;; Proc. IEEE, vol. 73, pp. 1651-64, 1985
A Review on User Identification using Voice as a Biometric Feature

- Sumit Srivastava, Pratibha Nandi, G. Sahoo, Mahesh Chandra, "Formant Based Linear Prediction Coefficients for Speaker Identification", 2014 International Conference on Signal Processing and Integrated Networks (SPIN), 978-1-4799-2866-8/14/$31.00 ©2014 IEEE.

Index Terms

Computer Science

Pattern Recognition

Keywords

Lpc    Mfcc   Lfcc   Plp   Vq   Gmm   Hmm