Abstract

Recently lot of work has been done on audio visual speech recognition but less work has been done on visual speech and speaker recognition. This research belongs to human computer interaction (HCI) domain. HCI makes human computer interaction simple. This paper represents the creating of database of visual speech and speaker in English language and preprocessing of it to improve recognition accuracy. We have studied Tulipese1 database, AV Database and CUAVE Database on the basis of these different databases we have created our own database. This is useful for all researchers those are working HCI domain particularly Visual Speech and Speaker Recognition.

References

1. Jana Trojanova’, Marek Hru’ z, Pavel Campyr, Milos’ Z’ elezny “Design and Recording of Czech Audio-Visual Database with Impaired Conditions for Continuous Speech Recognition” Department of Cybernetics, Faculty of Applied Sciences, University OF West Bohemia
Creating Simplified Version of Lip Database based on Front View of Face

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Index Terms

Computer Science  Pattern Recognition
Keywords

Speech, Visual Speech, Lip Reading, Lip Database, Visual Speech Recognition, Speaker Recognition, Face detection, Lip Cropping.