Creating Simplified Version of Lip Database based on Front View of Face

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 170
Number 2

Year of Publication: 2017

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10.5120/ijca2017914713

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 Tulipse1 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

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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.