Abstract

There is a number of automated sign language recognition systems proposed in the computer vision literature. The biggest drawback of all these systems is that every nation has their own culture oriented sign language. In other words, everyone needs to develop a specific sign language recognition system for their nation. Although the main building blocks of all signs are gestures and facial expressions in all sign languages, the nation specific requirements make it difficult to design a multinational recognition framework. In this paper, we focus on the advancements in computer assisted sign language recognition systems. More specifically, we discuss if the ongoing research may trigger the start of an international sign language design. We categorize and present a summary of the current sign language recognition systems. In addition, we present a list of publicly available databases that can be used for designing sign language recognition systems.
- Jeong, E. , Lee, J. , and Kim, D. Finger-gesture Recognition Glove using Velostat. 11th

- Nayak, S., Sarkar, S., and Loeding, B. Unsupervised modelling of signs embedded in


**Index Terms**

Computer Science

Pattern Recognition

**Keywords**
