



## Title of the article

Word-level Deep Sign Language Recognition from Video:  
A New Large-scale Dataset and Methods Comparison

## Intruduction

Deaf : A deaf person is considered to be suffering from a hearing impairment to the extent of a hearing loss of up to 70 dB.  
Sign language : is a term given to the non-vocal means of communication used by people with special needs,whether audio .

## Aim

Vision-based sign language recognition aims at helping the hearing-impaired people to communicate with others. We collect word-level signs extensively in ASL so we can know exactly what the person is asking for.

## Arguments

One of the most important reasons for to investigate the chosen problem , There are 72 million deaf people worldwide, according to the World Federation of the Deaf.

## Objectives

Sign language requires more advanced learning algorithms that contain a large data set. We have started using a few images. In our future work, we aspire to use word level annotations to facilitate automatic translation of signs at the sentence and story level.

## Information about the writer

Full name : NASRI Messaouda  
Contact information : (nas.messaouda@gmail.com)