

Sign language technologies

Sign synthesis, automatic sign recognition, and machine translation are all gaining attention
Workshops on sign technology, e.g. at the biannual LREC meetings since 2004

Sign Linguistics Corpora Network since 2008

Some current bottlenecks

Lack of (large) corpora

Time-consuming manual transcription of manual and non-manual linguistic categories

Limited linguistic knowledge about phonetic variation and grammatical structure

Some presentations at the 5th LREC workshop (2012):

- From Corpus to Lexical Database to Online Dictionary: Issues in annotation of the BSL Corpus and the Development of BSL SignBank
- Semi-Automatic Annotation of Semantic Relations in a Swiss German Sign Language Lexicon
- Towards tagging of multi-sign lexemes and other multi-unit structures
- Experiences collecting motion capture data on continuous signing
- A Proposal for Making Corpora More Accessible for Synthesis: A Case Study Involving Pointing and Agreement Verbs

Recent CLARIN-NL projects

SignLinC: linking lexical databases and annotated corpora of signed languages (software development)

MultiCon: multilayer concordance functions in ELAN and ANNEX (multimodal annotation tools used widely in the sign linguistics community)

IPROSLA: integrating and publishing resources on sign language acquisition. Two longitudinal databases of deaf and hearing families

