



Speech Recognition



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- Diverse broadcast content
- Multilingual - targetting systems for 9 languages
 - Arabic, English, German, Spanish (well-resourced)
 - Persian, Portuguese, Russian (some resources)
 - Latvian, Ukranian (low resource)
- Punctuation and sentences
 - human readability
 - further processing – machine translation, NLP
- Scale to 24/7 media streams

- SUMMA Platform currently contains systems for English, Arabic, German, Spanish, Russian
- Features of SUMMA speech recognition systems
 - targeted to multi-genre broadcast speech
 - neural network based (using Kaldi open source toolkit)
 - online recognition using CloudASR platform
 - semi-supervised training
 - share models and training across low-resource languages
- Evaluation on challenging SUMMA test sets (and the MGB Challenge for English and Arabic)