Speech-to-Speech Translation: A Review

Abstract

This paper reviews the technology used in Speech-to-Speech Translation that is the phrases spoken in one language are immediately spoken in another language by the device. Speech-to-Speech Translation is a three step software process which includes Automatic speech Recognition, Machine Translation and voice synthesis.

This paper includes the major speech translation projects using different approaches for speech recognition, translation and text to speech synthesis highlighting the major pros and cons for the approach being used.

References


Index Terms

Computer Science
Pattern Recognition

Keywords

Automatic Speech Recognition (ASR), Machine Translations (MT), Text-To-Speech synthesis (TTS).