Improving Statistical Machine Translation for a Speech-to-Speech Translation Task

Stephan Vogel, Alicia Tribble
Carnegie Mellon University, USA

In this paper we investigate if statistical machine translation (SMT) is possible when only a small bilingual corpus is available for training the system. Using additional knowledge sources which are not domain-specific improves the performance of the system considerably. We present results on a speech translation task for German to English. Automatic and human evaluation are used to compare the performance of the SMT system to an interlingua-based translation system.

Full Paper