



The first International Workshop on Spoken Languages Technologies for Under-resourced languages (SLTU - 2008)

Invited talk 2

Corpus-Based Speech Synthesis from Reading Speech To Communicative Speech

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Abstract

Corpus-based approach has been widely employed in speech synthesis. It is regarded as the third generation in speech synthesis following after Formant synthesis and LPC-based diphone synthesis. However, it is not well understood the essence of its importance and the philosophy. In this presentation, by introducing short history of corpus-based speech synthesis, its essence and difference from conventional synthesis schemes are explained. Through this explanation, it is shown that three components consisting of speech corpus, measure and synthesis algorithm are to be harmoniously studied rather than only a synthesis method by itself.

Futures research efforts towards communicative speech synthesis based on corpus-based approach are also introduced by formulating so-called para-linguistic information systematically.

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