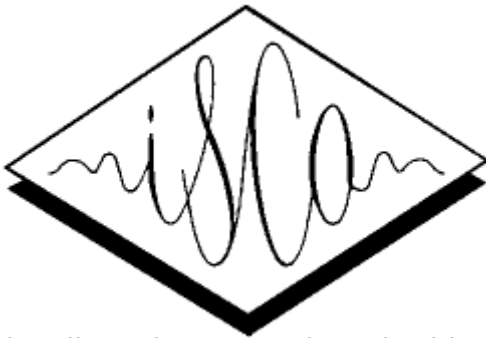


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The BBN 2007 Displayless English/Iraqi Speech-to-Speech Translation System

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Spoken communication across a language barrier is of increasing importance in both civilian and military applications. In this paper, we present an English/Iraqi Arabic speech-to-speech translation system for the military force protection domain (checkpoints, municipal services surveys, basic descriptions of people, houses, vehicles, etc). The system combines statistical N-gram speech recognition, statistical machine translation, hand-crafted rules, and speech synthesis in order to translate between the two languages. The system is designed for "eyes-free", or "displayless" use. That is, it does not make use of a screen, mouse, or keyboard, but is instead operated by a handheld microphone with just two push buttons: one for English, and the other for Arabic.

[Full Paper](#)

Bibliographic reference. Stallard, David / Choi, Fred / Kao, Chia-Lin / Krstovski, Kriste / Natarajan, P. / Prasad, R. / Saleem, S. / Subramanian, K. (2007): "The BBN 2007 displayless English/iraqi speech-to-speech translation system", In *INTERSPEECH-2007*, 2817-2820.