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### Rapid Development of Speech-to-Speech Translation Systems

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This paper describes building of the basic components, particularly speech recognition and synthesis, of a speech-to-speech translation system. This work is described within the framework of the "Tongues: small footprint speech-to-speech translation device" developed at CMU and Lockheed Martin for use by US Army Chaplains.

[Full Paper](#)

Bibliographic reference. Black, Alan W. / Brown, Ralf D. / Frederking, Robert / Lenzo, Kevin / Moody, John / Rudnicky, Alexander I. / Singh, Rita / Steinbrecher, Eric (2002): "Rapid development of speech-to-speech translation systems", In *ICSLP-2002*, 1709-1712.