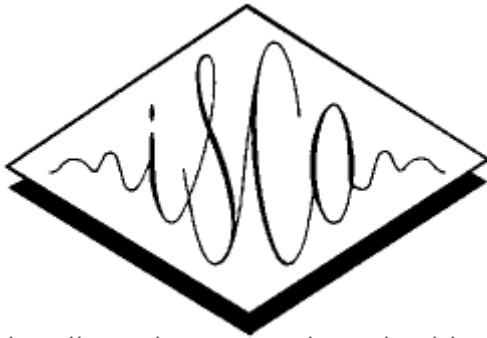


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EuTrans: a Speech-to-Speech Translator Prototype

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EuTrans system is a telephone speech input translation prototype capable of translating telephone calls from one language to another. It assumes a human to human communication, each one speaking a different language, assisted by a system with translation capabilities. The prototype has been developed as a demonstrator for the European project with the same name. EuTrans achieves a response time close to real time for speaker-independent, medium complexity tasks (a few thousand words) and offers competitive accuracy. The acoustic, language and translation models are finite-state networks that are automatically learnt from training samples, this makes the system easily adaptable to news tasks. It runs on a standard PC with audio capability and a cheap modem. The system is currently available for two translation tasks: FUB task (Italian-English) and Traveler task (Spanish-English).

[Full Paper](#)

Bibliographic reference. Pastor-i-Gadea, M. / Sanchis, A. / Casacuberta, F. / Vidal, E. (2001): "Eutrans: a speech-to-speech translator prototype", In *EUROSPEECH-2001*, 2385-2388.