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Tue Jul 25 20:03 1995 :: icassp96.janus.dvi

JANUS II — ADVANCES IN SPONTANEOUS SPEECH TRANSLATION

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ABSTRACT

JANUS II is a research system to design and test components of speech to speech translation systems as well as a research prototype for such a system. We will focus on two aspects of the system: 1) new features and performance of the speech and 2) t

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3. RECOGNITION ENGINE

The recognizer used in the current JANUS II prototype system is a CDHMM based recognizer. The exact configuration varies from task to task. For the last *VERBODEN* evaluation on German scheduling dialogs, processing on a 7 frame resolution was sufficient.

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The two parsers have clear strengths and weaknesses.

GLR* tries to match input utterances to an interlingua

specification, so although words can be skipped with

penalty, the parser is less robust than

that is parse