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Human Language Technologies (HLT) Evaluation Workshop, Malta









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ECESS European Center of Excellence on Speech Synthesis	
 To achieve the goals of basic research to pro components and asses of system evaluation w modules, reference T test environment that of the technology. 	ECESS to push the TTS technology and to speed up the process from duct, clearly defined procedures for evaluation of developed TTS sment of the TTS systems have to be deployed. The main goal in the field il therefore be to establish a common test-bed for evaluation of S system, and TTS systems developed by the partners. A benchmark will be developed by the partners, will further contribute to the development
 Naturalness, intelligibili (based on listening test standardisation bodies tests and measures, wi evaluation of coded sp evaluation of synthesis consuming and exper multilingual TTS syster Different objective mea problems of implement measures in the assess processing stage in a T 	ty, and accuracy are usually evaluated using the subjective measures s). Many elaborated standards and recommendations within different and groups were set up for defining a framework for subjective evaluation th most widely used MOS listening test, which is most frequently used for eech. Although human listeners are the ultimate reference also for ed speech, implementation of subjective tests is usually time- sive. Further problem in implementation of listening test is evaluation of ns, as for each language the native speakers should be deployed. sures were developed in the past to compensate in some extend the ing the subjective tests. Although they can not replace yet the subjective sment tests, they are helpful in evaluation of particular component or TS system.
As one of the goals of the development of TTS s comparability across	he evaluation is also to build up a multilingual framework for ystems, the selection of objective evaluation measures that will enable languages will be an important objectives.
	(from http://www.ecess.org/)
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communicative goals and interaction Two channels have been distinguished in human interaction. One conveys messages with a specific semantic content (verbal channel); the other (the non-verbal channel) conveys information related to both the image content of a message and to the general feeling of the speaker. Enormous efforts have been undertaken in the past to understand the verbal channel, whereas the role of non-verbal channel is less well understood. [...] To understand non-verbal information, advanced signal processing and analysis techniques have to be applied, and psychological and linguistic analyses must be performed. Moreover, understanding the relationship between the verbal and non-verbal communication modes, and progress towards their modelling, is crucial for implementing a friendly human computer interaction (HCI) that exploits the generation of synthetic agents and sophisticated human-like interfaces. (from a Preliminary Proposal for a new COST Action)

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