

Call for papers:

Special issue of *Computer Speech and Language* on 'The Listening Talker'

When talkers speak, they also listen. Talkers routinely adapt to their interlocutors and environment, maintaining intelligibility and dialogue fluidity to facilitate the efficient exchange of information. In contrast, current speech output technology is largely deaf, incapable of adapting to the listener's context, inefficient in use and lacking the naturalness that comes from rapid appreciation of the speaker-listener environment. As a result, there is no guarantee that the intended message is intelligible, appropriate or well-timed, which can lead to divided attention and fatigue in safety-critical situations. A key scientific challenge is to better understand how 'talker-listeners' respond to context and to apply these findings to the modification of natural (live/recorded) and generated (synthetic) speech in applications such as dialogue, public address and navigation systems.

Submissions to the special issue are invited on any aspect of the listening talker, including but not limited to:

- theories and models of human communication involving the listening talker
- human speech production modifications induced by noise
- speech production changes with manipulated feedback
- algorithms/vocoders for speech modification
- transformations from casual to clear speech
- characterisation of the listening context
- intelligibility and quality metrics for modified speech

See <http://www.journals.elsevier.com/computer-speech-and-language/> for the aims and scope of the journal. Authors should follow the Elsevier Computer Speech and Language manuscript format described at the journal site. Prospective authors should submit an electronic copy of their manuscript via <http://ees.elsevier.com/csl/>, selecting "Special Issue: The Listening Talker", according to the following timetable:

Submission deadline: October 14, 2012
First round of reviews: Feb 1, 2013
Final version of manuscripts: May 1, 2013
Target publication date: September 1, 2013

Guest Editors

Martin Cooke, Ikerbasque (Basque Science Foundation), Spain, m.cooke@ikerbasque.org
Simon King, University of Edinburgh, UK, simon.king@ed.ac.uk
Bastiaan Kleijn, Victoria University Wellington, New Zealand, bastiaan.kleijn@ecs.vuw.ac.nz
Yannis Stylianou, FORTH Institute of Computer Science, Crete, Greece, styliano@ics.forth.gr