\textit{Over-uh-load}. The occurrence of \textit{uh(m)} between elements of compounds during interpreting.

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Cognitive load is a major source of processing difficulties and disfluencies, such as \textit{uh} or \textit{uhm}, in both spontaneous speech (Levett 1983; Clark & Fox Tree 2002; Bortfelt et al. 2001; Watanabe et al. 2008) and interpreting (Goldman-Eisler 1967; Mead 2000, Tissi 2000; Cecot 2001). Gile (1995) lists the interpreter’s lack over the content and his reduced background knowledge as potential obstacles during interpreting, and for simultaneous interpreting he adds the lack of control over the original speech rate as well as the interference of speaking and listening. In Plevoets & Defrancq (2014) and Plevoets & Defrancq (submitted), the occurrence rate of \textit{uh(m)} was analysed with respect to the delivery rate, the lexical density and the proportion of numbers in both interpretations and in non-interpreted speeches. An interesting qualitative finding was that some \textit{uh(m)}’s occurred between the elements of lexical compounds, e.g. \textit{onderzoeks-uh-gelden} (‘research-\textit{uh}-funds’), \textit{voedsel-uh-middelen} (‘food-\textit{uh}-resources’), \textit{uit-uh-breiden} (‘ex-\textit{uh}-pand’) or \textit{Cohn-uh-Bendit}. As such constructions can shed more light on cognitive load, this paper will investigate them further.

This paper will make a comparison between interpreted language and spontaneous speech in two corpora. The corpus of interpreted language was compiled at Ghent University between 2010 and 2013. It consists of French, Spanish and Dutch interpreted speeches in the European Parliament from 2006 until 2008, which were transcribed according to the VALIBEL guidelines (Bachy et al. 2007). For the purposes of this analysis, a sub-corpus of French source speeches and their Dutch interpretations was selected (amounting to a total of 140 000 words), which has been annotated for lemmas, parts-of-speech and chunks (Van de Kauter et al. 2013) as well as sentence-aligned with WinAlign (WinAlign 2014). The reference corpus for spontaneous speech is the sub-corpus of political debates of the Spoken Dutch Corpus (Oostdijk 2000), compiled between 1998 and 2003. This sub-corpus contains 220 000 words of Netherlandic Dutch and 140 000 words of Belgian Dutch and is annotated for lemmas and parts-of-speech.

In both corpora, the number of \textit{uh(m)}’s between elements of compounds were counted for each sentence. The difference proved to be statistically significant, in that interpreters produce these constructions more often than spontaneous speakers. A subsequent analysis pointed to two interesting determinants. First, the compounds by the spontaneous speakers often involved a self-repair of a mispronunciation, e.g. \textit{fundu-uh-mentalisme} (‘fund-\textit{uh}-mentalism’), \textit{geimplende-uh-menteerd} (‘impl-\textit{uh}-ляементир’), \textit{oorsprangsk-uh-land} (‘origin-\textit{uh}-country’), \textit{samenwerkingsfron-uh-verbanden} (‘collaboration fron-\textit{uh}-relations’), \textit{tariefafspra-uh-aanpassing} (‘tariff agree-\textit{uh}-adaptation’), \textit{topcro-uh-crimineel} (‘top cro-\textit{uh}-criminal’), or \textit{voortgaand-uh-voorgaand} (‘persistent-\textit{uh}-previous’). Second, the compounds by the spontaneous speakers frequently consisted of a combinations of a word with non-word such as an acronym, a proper noun or a number, e.g. \textit{CBS-uh-cijfers} (‘CBS-\textit{uh}-figures’), \textit{E-uh-313} (‘E-\textit{uh}-313’), \textit{SG-uh-niveau} (‘SG-\textit{uh}-niveau’).
level’), vrijstellings-uh-AMVB (‘license-uh-AMVB’), Millinx-uh-buurt (‘Millinx-uh-neighbourhood’), Polaris-uh-systeem (‘Polaris-uh-system’), post-94-uh-traject (‘post-94-uh-trajectory’), and 15-procent-uh-eis (‘15 percent-uh-demand’). These results suggest that the occurrence of uh(m) with spontaneous speakers is more related to issues of phonetic realisation of the message than to the memory limitations which are at stake with interpreters.


