Speech Rhythm in L1, L2 and Learner Varieties of English

Workshop at BICLCE2017 (7th Biennial International Conference on the Linguistics of Contemporary English) in Vigo, 28-30 September 2017

https://sites.google.com/site/rflinguistics/workshops/rhythm2017

Convenor: Robert Fuchs (Hong Kong Baptist University)

Speech rhythm has long been recognised as an important supra-segmental category of speech, yet its measurement, relevance and the theoretical soundness of the concept continue to be hotly debated. The arguably most widely supported approach considers speech rhythm to consist of a continuum ranging from (1) a syllable-timed pole, with relatively small differences in prominence between syllables, to (2) a stress-timed pole, with relatively large differences in prominence between syllables. Most L1 varieties of English are widely regarded to be more stress-timed than most L2 and learner varieties, and this is supported by a considerable amount of empirical evidence (e.g. Deterding 1994, 2001, Fuchs 2016, Gut 2005, Gut and Milde 2002, Low 1998).

Yet, upon closer inspection, many of the concepts underlying this research appear to be contested. For one, L1 varieties of English are themselves heterogeneous in their rhythm. There is, for example, regional variation, with some dialects spoken in the British Isles being more syllable-timed than others (Ferragne 2008, Ferragne and Pellegrino 2004, White and Matty 2007a, 2007b, White et al. 2007). Similarly, in L2 varieties, sociolinguistic differences such as that between acrolect and basilect might go hand in hand with a difference in speech rhythm. As for learner Englishes, while there is good evidence of the transfer of rhythmic characteristics from L1 to L2 (e.g. Dellwo et al. 2009, Gut 2009, Jang 2008, Sarmah et al. 2009), more research is needed to show that this has consequences in terms of foreign accent and accent recognition. More generally, research on speech rhythm would benefit from studies showing that quantitative measures of speech rhythm (so-called rhythm metrics) are perceptually relevant and psychologically ‘real’ in the sense that what is measured is reflected in a certain kind of percept. Finally, the very nature and reliability of these rhythm metrics has been discussed extensively, but arguably inconclusively, in the past years, with some researchers attempting to identify those duration-based metrics that are most reliable (White and Mattys 2007a, White et al.2007, Wiget et al. 2010), others concluding that none of them are reliable (Arvaniti 2009, 2012, Arvaniti et al. 2008), and yet others suggesting metrics that focus on acoustic correlates of prominence other than duration, such as intensity (Fuchs 2016, He 2012, Low 1998), loudness (Fuchs 2014a), f0 (Cumming 2010, 2011, Fuchs 2014b) and sonority (Galves et al. 2012).

In order to address these issues, this workshop aims to bring together researchers working on one or more of the following aspects:

- Applications of rhythm metrics that measure speech rhythm based on acoustic correlates of prominence other than duration
- Comparative tests of the validity and reliability of existing rhythm metrics
• Perceptual relevance and psychological reality of speech rhythm
• Relevance of speech rhythm in Second Language Acquisition/learner Englishes, e.g. its contribution to foreign accent as well as pedagogical approaches
• Differences in speech rhythm between varieties previously thought to be in the same "rhythm class"
• Sociolinguistic relevance of speech rhythm in indexing e.g. lectal differences or ethnic subvarieties within the same national variety of English

Apart from addressing one or more of the issues above, papers need be concerned with (a variety of) English or a language contact situation involving English (in keeping with the scope of the conference).

The workshop will consist of full papers and work in progress reports, which will be allotted 20 minutes for presentation (plus 10 minutes for discussion). The deadline for submission of abstracts (ca. 500 words, excluding title, references and keywords) has been extended to 10 January 2017. Notification of acceptance will be sent out by the end of January 2017. Abstracts should be sent to rfuchs@hkbu.edu.hk.

References


