University of Birmingham

Dr Linda Wheeldon

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Qualifications

- MA in Psychology and Linguistics (Edinburgh University)
- PhD in Experimental Psychology (Cambridge University)

Biography

Prior to moving to Birmingham, Linda Wheeldon was a scientific staff member of the Max Planck institute for Psycholinguistics at Nijmegen, in The Netherlands.

Teaching

Introduction to Psycholinguistics; Speaking and Reading.

Research

The bulk of my research focuses on language production processes, in particular, the processes underlying the generation of spoken sentences. One of my major interests is in the nature and timing of sentence planning processes, in particular how much planning we usually accomplish before we begin to speak. I have investigated the advanced planning of grammatical structure, using both reaction time and eye-tracking paradigms.

I am also interested in the generation of the phonological structure of speech. i.e., how we generate the syllabic and segmental structure of words in context and how the rhythmic and intonational structure of utterances is planned.

I am also interested in the acquisition of phonological and prosodic structure in young children and the role of phonological structure in reading. More recent research aims to investigate the representation of morphological structure in the adult mental lexicon using fMRI techniques.

Recent research grants

Principal investigator, ESRC Research Grant: L. R Wheeldon, Aditi Lahiri (Oxford) and Peter Hansen, Putting morphology back in the mental lexicon: An fMRI study of derivational processes in English (2011-2012).

Principal investigator, ESRC Research Grant: L. R Wheeldon, Aditi Lahiri (Oxford) Producing words in connected speech: the role of prosodic units (2009-2010).

Co-investigator, ESRC Research Grant: A.S. Meyer and L.R Wheeldon, Speech planning in multiple object naming (2002-2004).

Publications

Wheeldon, L. R., (2012). Producing Spoken Sentences: The Scope of Incremental Planning. In S. Fuchs, M. Weirich, D. Pape & P. Perrier (Eds.), *Speech production and perception volume1: Speech planning and dynamics*. (pp. 97-118). Peter Lang. Germany.

Meyer, A. S. & Wheeldon, L. R. & Konopka, A. & van de Meulen (2012) Effects of speech rate and practice on the gaze-to-speech alignment in multiple object naming. *Frontiers in Cognition.*

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Allum, P. & Wheeldon, L. R. (2007). Planning Scope in Spoken Sentence Production: The Role of Grammatical Units. *Journal of Experimental Psychology: Learning Memory and Cognition.* Vol 33 (4), 791-810. **See PDF - (420KB) (/Documents/college-les/psych/staff/AllumWheeldon(2007).pdf)**

Wheeldon L. R., Meyer, A. S. & Van der Meulen, F. (2007). Speech-to-gaze alignment in anticipation errors. In R. van Gompel (Ed.) Eye movements: A window on mind and brain. Elsevier. ISBN-13: 978-0-08-044980-7.

Meyer, A. S., Krott, A. & Wheeldon, L. R. (2007). *Automaticity and control in Language Processing.* Psychology Press. ISBN 1-84169-650-1.

Meyer, A. S. & Wheeldon, L. R. (2006). Language production across the life span. Psychology Press. Vols 1,2 &3 of *Language and Cognitive Processes.*

Smith, M. C. & Wheeldon L. R. (2004). Horizontal Information Flow in Spoken Sentence Production. *Journal of Experimental Psychology: Learning Memory and Cognition,* 30, 675–686. **See PDF - (78KB) (/Documents/college-les/psych/staff/SmithWheeldon(2004).pdf)**

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Wheeldon, L. R., Meyer, A. S. & Smith, M. C. (2003). Incrementality. *Encyclopedia of Cognitive Science*. Macmillan. Nature.

Wheeldon L. R. & Smith, M. C. (2003). Phrase structure priming: a short lived effect. *Language and Cognitive processes,* 18, 431-442. **See PDF (109KB) (/Documents/college-les/psych/staff/WheeldonSmith(2003).pdf)**

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Wheeldon, L. R. & Lahiri, A. (2002). The minimal unit of phonological encoding: prosodic or lexical. *Cognition,* 85, B31-B41.

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