

DR. ROBERT FIORENTINO

Keynote Speaker Thursday, February 21st from 1:00PM to 2:30PM, Chemistry & Physics Building, Room 303

Identifying the pieces, processes, and neural bases of complex word recognition

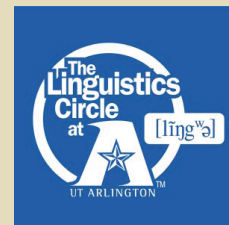
Alternative accounts of the representation and processing of putatively complex words such as *government*, *teacup*, or *walked* make distinct claims regarding what the basic units of lexical knowledge are, and regarding the nature of the operations that these basic units undergo. In this talk, I will present some recent findings on the dynamics of complex word recognition, bringing together evidence from priming, lexical decision, and reading paradigms, in tandem with the electrophysiological brain imaging methods electroencephalography (EEG) and magnetoencephalography (MEG). The findings from this line of research suggest that complex word recognition makes recourse to morphological-level primitives and combinatorial operations in the general case, and highlight the potential of cross-method, cognitive neuroscience research on complex word recognition to increase our understanding of the nature and neural instantiation of lexical knowledge.



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