

Center for Cognitive Science

University at Buffalo, State University of New York

Wednesday, February 15, 2006

280 Park Hall
North Campus
2:00 pm -4:00 pm

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University of Rochester

"Eye movements reveal sensitivity to prosodically conditioned detail in spoken-word recognition"

In the first part of my talk, I will discuss data from a number of eye-tracking experiments that examined the role of fine-grained prosodically-conditioned detail in the recognition of spoken words. In these experiments, participants followed spoken instructions to manipulate objects in a visual display. Eye movements to the objects provide a sensitive measure of the dynamics of the lexical competition process as speech unfolds, showing that prosodically conditioned detail has systematic effects on the lexical competition process.

In the second part of my talk, I will present some data that are concerned with the nature of language-mediated eye movements. I will discuss two experiments that examined how spoken language influences visual attention in the context of a visual world. The findings show that objects referred to by spoken language can capture visual attention, suggesting cross-talk between language and vision.

Open to the public!

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