

Thursday, February 22nd, 2pm EST

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Investigating the origin of nonfluency in aphasia

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A major challenge in understanding the origin of clinical symptoms in neuropsychological impairments is capturing the complexity of the underlying cognitive structure. An excellent example is the challenge of understanding the origin of nonfluency in post-stroke aphasia. While a large body of literature has explored the relationship between nonfluency and various aspects of language processing, the origin of this symptom has remained obscure due to highly complex and inter-related operations that underlie language production. In this talk, I will propose a psycholinguistic framework for studying the possible origin(s) of nonfluency in aphasia, and review several bodies of work that have independently suggested a relationship between fluency and various processes in this model. I will then discuss a statistical approach, a variant of structural equation modeling, that allows us to construct a realistic model of nonfluency that better captures the complex architecture of the language production system. Using this approach, I will identify several operations the damage to which can lead to nonfluency, and highlight the areas in need of further research.

The lecture will be held at Johns Hopkins University. However, it will be broadcast live to USC:

Room #140, Discovery I, 915 Greene Street, Columbia, SC 29208

Date: Thursday, February 11th 2018, Time: 2pm – 3pm EDT

The viewing event will be catered!

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