Thursday, April 5th, 2pm ET

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Understanding and predicting aphasia recovery and after rehabilitation
Swathi Kiran, PhD, CCC-SLP
Boston University

The nature of language recovery in aphasia remains unresolved despite several advances in our conceptual thinking, the methodology, and data analysis approaches. There is still a debate about whether successful language recovery is associated with the engagement of residual regions in the damaged left hemisphere, the undamaged right hemisphere or a combination of the two. In this talk, I will propose that language recovery is more nuanced than these broad categories and depends on bilateral (left and right) hemisphere language regions as well as domain general regions. To this end, I will present results from our lab that have examined the engagement of a network of regions during language processing as well as after rehabilitation. These approaches include examining structural connectivity, functional connectivity and effective connectivity of regions in both hemisphere that provide more clues to the dynamic and complex nature of language recovery. In the second part of this talk, I extend these results with other ongoing work to predict treatment outcomes after rehabilitation in aphasia. These methods include computational simulation and machine learning approaches to identify optimal parameters that promote treatment outcomes.

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This lecture will be held at the University of South Carolina:
Room #140, Discovery I, 915 Greene Street, Columbia, SC 29208
Date: Thursday, April 5th, Time: **2pm – 3pm** Eastern Time
The event will be catered!

The lecture can also be followed online from your computer, tablet or smartphone, via the following GoToMeeting address (no password required):
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