



## SHS 30<sup>th</sup> Anniversary Event

# Working Memory in Children

**Dr Mary Alt**

Department of Speech, Language, and Hearing Sciences  
The University of Arizona

May 29, 2018 (Tuesday)  
18:30 – 19:30

Room LG-102, KK Leung Building, HKU  
*Chair: Professor Stephanie Stokes*

### **Abstract:**

Compared to children with typical development, children with dyslexia, language impairment, or both often demonstrate working memory deficits. It is unclear how pervasive the deficits are, or whether the deficits align with diagnostic category. The purpose of this study was to determine whether different working memory profiles would emerge on a comprehensive battery of central executive, phonological, and visuospatial working memory tasks and whether these profiles were closely associated with group membership. This talk will review: (1) our team's work to build a comprehensive battery of working memory for children, (2) the use of data from that battery to test models of working memory, and (3) the resulting working memory profiles that emerge for children with different clinical diagnoses.

### **About the speaker:**



with people with and without language impairments.

Mary Alt is an Associate Professor and certified speech-language pathologist at the Department of Speech, Language and Hearing Sciences at the University of Arizona. Her research focuses on answering the question: How do people learn words and the concepts associated with those words? She is currently interested in understanding the cognitive mechanisms that underlie learning and applying that understanding to improving word learning interventions. She explores this question with a wide range of populations from toddlers to adults, with monolingual and bilingual populations, and

~ All are welcome ~

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