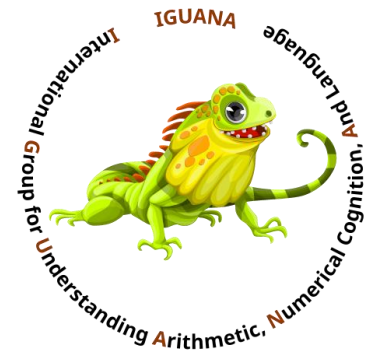


INTERNATIONAL SYMPOSIUM

Executive Functions in Language Development and Arithmetical Learning: Behavioral and Neuropsychological Insights



Friday, October 7, 2022 Digital Symposium Timezone: CET [GMT+2] https://www.iguana.net.in/symposium	
2:00 pm – 2:30 pm	Opening & Welcome
2:30 pm – 3:15 pm	Keynote 1 (via Zoom) Working Memory and Math Performance: From Correlations to Intervention <i>Kerry Lee (The Education University of Hong Kong, HKG)</i>
3:15 pm – 3:30 pm	Coffee Break
3:30 pm – 5:00 pm	Panel 1 (via Zoom) Adults and Children’s Strategy Selection and Execution in Multi-digit Subtraction: The Role of Executive Functions <i>Stijn Van Der Auwera, Bert De Smedt, Joke Torbeyns, & Lieven Verschaffel (KU Leuven, BEL)</i> Examining the Structure of Math-related Executive Function Beliefs in Children <i>Yi Feng (University of California, US), Martin Buschkuhl (MIND Research Institute, US), & Susanne M. Jaeggi (University of California, US)</i> Dimensionality of Executive Functions and Processing Speed across Two Time Points in Preschoolers <i>Anssi Vanhala (University of Helsinki, FIN), Kerry Lee (The Education University of Hong Kong, HKG), Johan Korhonen (Åbo Akademi University, FIN), & Pirjo Aunio (University of Helsinki, FIN)</i> Children with Mathematical Learning Difficulties - How do Their Working Memory Skills Differ from Typically Developing First Graders? <i>Kirsten Winkel (University of Applied Sciences Saarbrücken, GER) & Isabell Zipperle (University of Mainz, GER)</i> Working Memory Task Choice in Future Studies Focusing on Arithmetic, Finger Counting and Working Memory <i>Fanny Ollivier (University of Angers, FRA), Nathalie Bonneton-Botté (University of Brest, FRA), & Yvonnick Noël (University of Rennes, FRA)</i>

5:00 pm – 6:00 pm	<p>Big Break & Digital Poster Viewing (via Wonder)</p> <p>Relational Reasoning in Routine and Adaptive Arithmetic Knowledge <i>Hilma Halme & Jake McMullen (University of Turku, FIN)</i></p> <p>The Contribution of Cognitive Flexibility to Arithmetic Skills in Chinese Children <i>Lei Huang & Michelle R. Ellefson (University of Cambridge, UK)</i></p> <p>Exploring the Effects of Executive Functions and Mathematical Skills on Physics Problem Solving <i>Konstantinos G. Tsigaridis, Rui Wang, & Michelle R. Ellefson (University of Cambridge, UK)</i></p> <p>How do Deaf Children Learn and Process Language at an Early Age? A Comprehensive Literature Review on the Role of Eye Movement from Non-WEIRD Countries <i>Nikita Ghodke (Jain University, IND)</i></p>
6:00 pm – 6:45 pm	<p>Keynote 2 (via Zoom)</p> <p>Reciprocal Working Memory and Language Influences, and the Power of Language for Supporting Learning <i>Lisa Archibald (University of Western Ontario, CA)</i></p>
6:45 pm – 7:00 pm	<p>Coffee Break</p>
7:00 pm – 8:30 pm	<p>Panel 2 (via Zoom)</p> <p>The Role of Phonological and Semantic Representations in Verbal Working Memory <i>Theresa Pham & Lisa Archibald (University of Western Ontario, CA)</i></p> <p>How Inhibition Skills and Memory Capacity modulate the on-line Processing of non-canonical Sentences in German-speaking Four-year-olds <i>Christine S. Schipke & Flavia Adani (Freie Universität Berlin, GER)</i></p> <p>How do Socioeconomic Attainment Gaps in Early Maths Ability Arise? An Exploration into Working Memory, Inhibitory Control, and Verbal Ability <i>Ella James-Brabham (University of Sheffield, UK), Emma Blakey (University of Sheffield, UK), Sella Francesco (Loughborough University, UK), Paul Wakeling (University of York, UK), & Dan Carroll (University of Sheffield, UK)</i></p> <p>The Role of Executive Functions in Metaphonological and Arithmetic Skills in Elementary School <i>Óscar Nadal, Cristina Hernandez, Marina Andreu, Maria Gracia, Rebeca Santamaría, & Noelia Sánchez (University of Zaragoza, ESP)</i></p> <p>The Interplay of Executive Functions and Linguistic Skills in English Reading Comprehension <i>Claudia Pik-Ki Chu & Michelle R. Ellefson (University of Cambridge, UK)</i></p>
8:30 pm	<p>Closing and Digital Social Activities</p>