Carleton Cognitive Science Graduate Conference 2023
FULL PROGRAM

Day 1: Friday, April 14th

Carleton University	Room 1: ME 3380 (Mackenzie Building)	Room 2: ME 4499 (Mackenzie Building)
Zoom	**Meeting ID: 970 5209 0867** **Passcode: 2647** https://carleton-ca.zoom.us/j/97052090867?pwd=NXo1M1VFMlQyQ05pYk1Qa1Y3RWlaZz09	**Meeting ID: 962 6995 7302** **Passcode: 2647** https://carleton-ca.zoom.us/j/96269957302?pwd=VFpWWHdHbjZ5NC9CVnFQM3BvazdEQT09

10:30 Conference Opens

10:30 - 10:55: Coffee/Tea/Cookies in Room 1 - ME3380

10:55 - 11:00	Welcome from Dr. Mary Kelly, Carleton University	

11:00 - 12:20: Talks

11:00 - 11:20	Nadine Charanek, Carleton University **Visuospatial serial order recall in bilinguals vs. monolinguals vs. Chimpanzees**	Ren Ozen, Carleton University **Exploring representational symmetries of spatial navigation and memory**
11:20 - 11:40	Nadia Miller, University of Waterloo **The metaphysics of words**	Brendan Conway-Smith, Carleton University **Metacognitive Skill; how it is acquired**
11:40 - 12:00	Zachary Savelson, Carleton University **Using Qualitative Coding to Measure Students' Reasoning and Emotions in Productive Failure**	Kirsten Brightman, Carleton University **Investigating the Effects of Attention-Oriented vs. Reaction-Oriented Alerts on Driver Performance during Takeover Events in Highly Automated Driving**
12:00 - 12:20	Aaron Nowaczek, Carleton University **Evidence of Phenomenal Representation from Unilateral Neglect and Aphantasia Research**	Romeo Penheiro, Carleton University **Covariance of Hippocampal Morphometry and Memory with Age**

12:20 - 13:00: Lunch (food orders will be delivered in Room 1 -ME3380)

13:00 - 14:30: Keynote Address

13:00 - 14:30	**Dr. Nathan Spreng (McGill University)** **The impact of loneliness on functional brain network organization across the lifespan**	

14:30 - 14:45: Break

14:45 - 15:45: Lightning Talks

14:45 - 14:53	Claudia Morales Valiente, Western University * poster 1 **I expect, ergo I ruminate. Into the mechanisms of future thinking.**	
14:55 - 15:03	Michael Dubois, University of Toronto * poster 2 **Lapse to the future: fluctuations in sustained attention support learning for novel information**	Amanda Keech, Carleton University * poster 10 **Evaluating the effectiveness of comparison activities in a programming tutor**
15:05 - 15:13		E.T. Flanagan, Carleton University * poster 12 **Don't Panic! Warding Off AGI Catastrophism by Means of Definition**
15:15 - 15:23	Austin C. Cooper, McGill University **Beyond the Veil of Duality – Topographic Reorganization Model of Meditation**	Tim Gothard, Carleton University * poster 11 **Ethical AGI Action Selection**
15:25 - 15:33	Michael Ripa, Carleton University **Italian Sounds Beautiful to English Speakers, but not Because of its Phoneme Distribution**	Rasel Babu, McGill University **Educational technology in developing countries: Are the teachers ready?**
15:35 - 15:43	Gavin Foster, Carleton University * poster 5 **Pattern realism as a possible solution to the logical problem in animal mindreading**	Maria Vorobeva, Carleton University * poster 8 **A meta-game model of multi-agent bargaining within the context of labour negotiations.**

16:00 Conference closes for the day

Day 2: Saturday, April 15th

Gather.Town	https://app.gather.town/app/Jb2b39O8EEoUWy9v/2023CarletonCogSci	Password: will be sent out to email used for registration

10:30 Conference Opens

10:40 - 11:00	Workshop: Holographic Reduced Representations (Matlab demonstration)	Steve Highstead, Carleton University

11:00 - 12:30 Poster Session I

Presenters from Poster Room 1 will be present at their poster for ~1h during this session. Posters with a * are from Friday's lightning talks

#	Title	Presenter
1*	I expect, ergo I ruminate. Into the mechanisms of future thinking.	Claudia Morales Valiente, Western University
2*	Lapse to the future: fluctuations in sustained attention support learning for novel information	Michael Dubois, University of Toronto
4	The Computational Complexity of Anaphora	Nathan Matthews, Carleton University
5*	Pattern realism as a possible solution to the logical problem in animal mindreading	Gavin Foster, Carleton University
6	Modelling the Effects of Working Memory Demand on Accuracy Rates for Relational Reasoning Problems	Nicolas Turcas, Carleton University
7	Automating compliance detection	Katie Van Luven, Carleton University
8*	A meta-game model of multi-agent bargaining within the context of labour negotiations.	Maria Vorobeva, Carleton University
9	Constructing Causal Knowledge Representation with the Common Model of Cognition	Spencer Eckler, Carleton University
10*	Evaluating the effectiveness of comparison activities in a programming tutor	Amanda Keech, Carleton University
11*	Ethical AGI Action Selection	Tim Gothard, Carleton University
12*	Don't Panic! Warding Off AGI Catastrophism by Means of Definition	E.T. Flanagan, Carleton University
13	Unlocking the Power of Reading: Investigating the Link Between Cognitive Abilities, Word Reading Abilities, & Reading Comprehension in Children at Risk for Reading Challenges	Mikaÿla Perrier, Carleton University
14	Impact of a Multi-factor Digital Intervention on the Reading Skills of Students with Reading Difficulties	Shradha Dixit, Carleton University
15	Investigating the Design of Erroneous Examples in an Online Tutoring System	Vivianne Stewart, Abbey Gandhi, Dr. Kasia Muldner, Carleton University

12:30 - 12:45 Break

12:45 - 14:15 Poster Session II

Presenters from Poster Room 2 will be present at their poster for ~1h during this session. Posters with a * are from Friday's lightning talks

#	Title	Presenter
16	Home language input of L2 children and their acquisition of English complex syntax.	Isa Godoy, Carleton University
17	Talking With Siri: Detecting and Analyzing Error Patterns in Speech Recognition Technology	Otto Bonn Steger, Carleton University
18	What do linguists mean by the claim: 'each is a distributive universal quantifier'?	Chester Leopold, Carleton University
19	Linguistic markers of deception in online dating	Helen Mathew, Sabrina Qassim, Carleton University
21	Bilingual Cost in Processing of Emotional Semantics; Individual Differences Approaches	Sandrine Hachez, Carleton University
22	Language Experience Impacts Fractal Dimensionality in the Bilingual Brain: a Multivariate Approach	Irina Smirnova-Godoy, Nadine Charanek, Dr. John Anderson, Dr. Chris Madan, Dr. Olessia Jouravlev, Carleton University
23	Emotional Intensity in L1 and L2 in English and French Elicited by Short Scenarios	Salah Mekhalalati, Arthur Hamilton, Veronica Chiarelli, Lara Russo, Samer Al Assafin, Taeko Bourque, Carleton University
24	Schizotypal and Autistic Language Differences in a First and Second Language	Arthur Hamilton, Carleton University
25	How bilingualism dynamically restructures the human cortex.	Imola X. MacPhee, Carleton University
26	Morphological Changes of the Hippocampus from Depressive Symptoms and Dementia	Salah Mekhalalati, Romeo Penheiro, John AE Anderson, Carleton University
27	The Emotional and Behavioural Outcomes of Slow and Fast Breathing	Josh Goheen, Cameron Carson, Georg Northoff, John A.E. Anderson, Carleton University
28	The Effects of Cognitive Load on Biases in Social Anxiety	Evan Kendrick, Jordan Khan & Erika Alguire, Carleton University
29	Memory Follows the Heart: A Meta-analytic Review of Episodic Memory Enhancement for Emotional Events	Nada Alaifan, Dr. Peter Graf, University of British Columbia

14:30 Conference closes