

# Carleton Cognitive Science Graduate Conference

**\*\*\*FULL PROGRAM\*\*\***

## **DAY 1: FRIDAY, APRIL 9<sup>TH</sup>**

**11:00am – Conference Opens**

**11:45am – 12pm: Welcome**

**12pm – 1:20pm: Poster Session I**

1. Samer Al Assafin (Carleton), “BERT Aspect-Based Layered Sentiment Analysis for Hate Speech”
2. Mujahid A. Sanni (Carleton), “Augmenting AI Creativity: Event Segmentation and AI Planning for Narrative Generation”
3. Justin Singer (Carleton), “Quantum Tensor Network Reinforcement Learning – Initial Explorations”
4. Deniz Askin (Carleton), “A Transformer Based Semantic Parsing Model”
5. Tae Bourque (Carleton), “Determiner Quantifiers in English”
6. Garrett Sherwood (Carleton), “Presupposition, Assertion, and Oddness: A Study of Contextual Semantic Violations”
7. Kenda Parsons (Carleton), “The Development of Phonemic Mental Representations in Emergent Bilinguals”
8. Callum Stephenson (Queen’s), “Investigating the Effects of Electronically Delivered Cognitive Behavioural Therapy on Brain Structure in Individuals with Obsessive-Compulsive Disorder Using Functional MRI: Protocol”
9. David Smith (Carleton), “The Scale-Free Self: A Behavioral EEG Study”
10. Arthur Hamilton (Carleton), “Abnormal ERPs and Brain Dynamics Mediate Basic Self Disturbance in Schizophrenia: A Review of EEG and MEG Studies”

**1:30pm – 3pm: Keynote Address**

**Jessica Grahn (Western University)**

**“How Music Moves Us: The Neuroscience of Rhythm”**

## **DAY 2: SATURDAY, APRIL 10<sup>TH</sup>**

### **9am – 10am: Open Mingle**

### **10:10am – 11am: Talk Session I (Moderator: Nico Turcas)**

10:10am – 10:20am: Sanyar Sohrabi (Carleton), “The Implications of Degrees of Belief in Free Will”

10:20am – 10:30am: Maxime Codère Corbeil (UQAM), “Cloze Task and the Nature of Predictability”

10:30am – 10:40am: Mahault Albarracin (UQAM), “Modeling Epistemic Communities with Active Inference”

10:40am – 10:50am: Chad Peters (Carleton), “A Model-Driven Approach to Integrated Cognition”

10:50am – 11am: Adrian Burlacu (Carleton), “Cognitive Network Topology and Optimization for the Mental Lexicon”

### **11am – 11:30am: Break**

### **11:30am – 12:20pm: Talk Session II (Moderator: Tae Bourque)**

11:30am – 11:40am: Miguel Sepúlveda (U de Montréal) “Transversal Emergence: Enactive Cognition as Development of Ecological Norms”

11:40am – 11:50am: Aaron Nowaczek (Carleton), “The Cognitive Scope of Attention”

11:50am – 12pm: Steve Highstead (Carleton), “Theory of Constructed Emotions and Moral Judgement”

12pm – 12:10pm: Martin Moore Jr. (UQAM), “Affectivity and the Mechanization of Living Organisms”

12:10pm – 12:20pm: Iman Ferestade (SFU), “Metaphysical Transparency in Computational Systems”

### **12:30pm – 1:50pm: Poster Session II/Lunch**

11. Ryan Stoparczyk (Carleton), “Singing Style and Musical Genre”

12. Sarah Shires (Carleton), “Perceptions of Job Applicants”

13. Jessica Rocheleau (Carleton), “Computer, Do You Know How I Feel? Users’ Privacy-Related Attitudes and Beliefs About Emotion Detection by Information Technologies”

14. Mysa Myers (Carleton), “Dysregulated mRNA Translation in Schizophrenia: A Systematic Review”
15. Camryn Kealey (Carleton), “Mobile Mental Health: Apps for Assessment of Mental Health Status”
16. Nadia Markova (Carleton), “Investigating Concreteness Fading in the Programming Domain with a Computational Tutor”
17. Amanda Keech (Carleton), “Exploring Proportional Reasoning Strategy in Postsecondary Students”
18. Sabrina Burr (Carleton), “Postsecondary Enrolment of Adolescents with and without Childhood ADHD: A Longitudinal Analysis of Academic Performance Trajectories”
19. Tim Gothard (Carleton), “Moral Dilemmas: Towards Modelling the Doctrine of Double Effect and the Doctrine of Doing and Allowing”
20. Sean Riley (Carleton), “Vividness in Visual Mental Imagery”

### **2pm – 2:50pm: Talk Session III (Moderator: Steve Highstead)**

- 2pm – 2:10pm: Brendan Conway-Smith (Carleton), “Metacognitive Skill”
- 2:10pm – 2:20pm: Maria Vorobeva (Carleton), “Modelling Programming Problem Solving”
- 2:20pm – 2:30pm: Nadia Khalili (McGill), “An Understanding of TOM through a Complex Dynamic System Theory”
- 2:30pm – 2: 40pm: Jay Jennings (Carleton), “Thinking Aloud in a Code-Tracing Tutor”
- 2:40pm – 2:50pm: Zach Savelson (Carleton), “Productive Failure and Student Emotions”

### **3pm – 4:30pm: Keynote Address**

**Blake Richards (McGill University)**

**“A Single Self-Supervised Loss Function Can Explain Specialized Pathways in Mouse Visual Cortex”**

### **5pm – Conference Closes**