

Fourth Edinburgh Cognitive Science Conference

Location: 7 George Square, Edinburgh

Talks are 15 min + 5 min Q&A

Friday June 5th

 **Breakfast & Coffee (10:30-11:00)**

Session 1 (11:00-12:00)

Beliefs and evidence [chair: Zach Horne]. Room G32

Yitong Lin: “From Language-Model Predictions to Process Models of Semantic Search”

Calvin Deans-Browne: “Effects of Induced Beliefs on the Perception of Evidence”

Jenny Zhou: “Beyond Universal Overreaction: A Unified Sampling Account of Human Expectations”

Language and causality [chair: Christian Odenwald]. Room G26

Elisa Franchetti: “What Makes Audiences Vulnerable to Semantic Illusions. How confidence modulates acceptance and uptake of misleading presuppositions”

Tadeg Quillien: “Why lucky outcomes are not intentional”

Neil Bramley: “The thought that ate its tail”

Lunch on your own (12:00-13:30)

Session 2 (13:30-14:30)

Perception [chair: Stephanie Chen]. G32

Tianshu Chen: “Twisted in Time: Interaction of Simultaneity and Causal Judgements in Multisensory Integration”

Freddy Kamps: “Development of visual scene processing in infancy”

Jasna Martinovic: “Effects of lithium treatment on threshold and suprathreshold vision in individuals with bipolar disorder: interim findings from the Helios-BD study”

Philosophy & AI [chair: Tadeg Quillien]. G26

Christian Odenwald: “Law-Preserving Counterfactuals for Actual Causation”

Vanessa Cheung: “Moral decision-making and advice-giving in large language models”

Tillmann Vierkant: “Two ways of understanding moral status in Gunkel's relationism: Robots, sacred mountains and the Turing test”

 **Coffee break (14:30-15:00)**

Session 3 (15:00-15:40)

Special session: CogSci in industry [chair: Zach Horne]. G32

David Abel, Chris Lucas

Session 4 (16:00-17:00)

Knowledge and Imagination [chair: CO]. G32

Kuang-Heng Li: “Structural Knowledge in Experiential Risky Choice”

Gustavo Cilleruelo Calderon: “Concepts in terms of other Concepts: a method for the analysis of collective word use”

Ed Silson: “A common eccentricity bias links mental imagery with visual perception”

 **Pizza + Drinks (18:00-)**

Location: Wildcat, 11-13 Tarvit St.

Saturday June 6th (dress for a hill walk!)

 **Breakfast / Coffee (10:15-10:45)**

Session 1 (10:45-11:45)

Causal reasoning [chair: CO]. G32

Torrey Snyder: “Component attribution methods for evaluating counterfactual inference in LLMs”

Nicolas Navarre: “Explaining Order Effects in Counterfactual Reasoning”

David Lagnado: “Causal dynamics of belief updating”

Social Cognition [chair: ZH]. G26

Marius Mercier: “Bayesian models of competence inference”

Victor Btesh: “Action understanding with presentational goals”

April Bailey: “People think of women as one thing, men as many”

Session 2 (12:00-13:00)

Social Cognition 2 [chair: SC]. G32

Madeleine Horner: “When giving more makes you look worse: paradoxical inferences in a Bayesian model of social evaluation”

Julie Pedersen: “Moralization by analogy: a novel perspective on moral change”

Sally Xie: “Gender stereotyping in self-perceptions and self-descriptions”

Computational models of cognition [chair: ZH]. G26

Zach Zhao: “Online library learning in human visual puzzle solving”

Joshua Hew: “Causal inference and learned helplessness”

Max Maier: “How The Bias-Variance Tradeoff Shapes Human Strategy Selection”

Lunch on your own (13:00-14:00)

Hike to Arthur’s Seat (meet in front of 7 George Square at 14:00).

Hike duration: ~2 hours