Workshop on Neural Representation and Neural Computation

The Australian National University
5-6 September 2022

All talks will be held in Lectorial 1, located on the ground floor of the RSSS Building (building 146). Attendance is open to all, but for catering purposes please contact Colin Klein (colin.klein@anu.edu.au) if you wish to attend.

September 5

9:30-10:45 Jon Opie and Matt Nestor (Adelaide) "Exploitable isomorphism in connectionist networks: a novel analysis."

Morning tea

11:15-12:30 Robert Farquaharson (ANU) "Cognitive maps are labelled graphs"

Lunch

2:00-3:15 Colin Klein (ANU) "How do we represent peripersonal space?"

Afternoon Tea

3:45-5:15 Nick Shea (University of London) "How to Solve and Avoid the Frame Problem"

September 6

9:30-10:45 Ehsan Arabzedah and Matt Tang (ANU) "Deciphering neural representations – from receptor to decision"

Morning tea

11:15-12:30 Verónica Gómez Sánchez (NYU) "Informational Semantics Revisited"

Lunch

2:00-3:15 Marta Garrido (Melbourne) "Predictive coding implementations of Bayesian Inference"

Afternoon Tea

3:45-5:15 Iwan Williams (Monash) "Concepts without language-like representations?"