Futures of NeuroRobotics

Date: Monday 19th November 2018, 10:30am-5:00pm
Location: Senate Room (16 Wally's Walk, room 310), Macquarie University campus, North Ryde, NSW

The workshop explores how robotics and computer science can accelerate understanding the brain, how understanding the brain can accelerate robotics, and the futures of autonomous robotics. The workshop will consider the scientific, ethical and philosophical challenges posed by new developments in A.I. and autonomous machines.

Schedule:

10:30 – 10:45	Welcome with coffee
10:45 – 11:00	Opening comments
	Session 1: Bioinspired robotics and engineering
11:00 – 11:45	**Prof Michael Milford (QUT)**: NeuroRobotic Navigation: A Case Study in Navigating the Tension Between Terrific and Terrible Transdisciplinary Research
11:45 – 12:30	**Dr Tara Hamilton (Macquarie University)**: Neuromorphic Circuits and Systems
12:30 – 13:30	lunch
	Session 2: Computational approaches to neuroscience
13:30 – 14:15	**Dr Amir Dezfouli (UNSW)**: Integrated Accounts of Behavioural and Neuroimaging Data using Flexible Recurrent Neural Network Models.
14:15 – 15:00	**Dr Andrew Barron (Macquarie University)**: Modelling Animal Cognition
15:00 – 15:30	Coffee
	Session 3: Robotics and Society
15:30 – 16:15	**Prof Liz Pellicano (Macquarie University)**: Social robotics for autistic children: Lessons from DE-ENIGMA
16:15 – 17:00	**Dr Kate Devitt (QUT)**: Robotics and the Rarity of Care: Adoption Issues of Social Robots in Healthcare