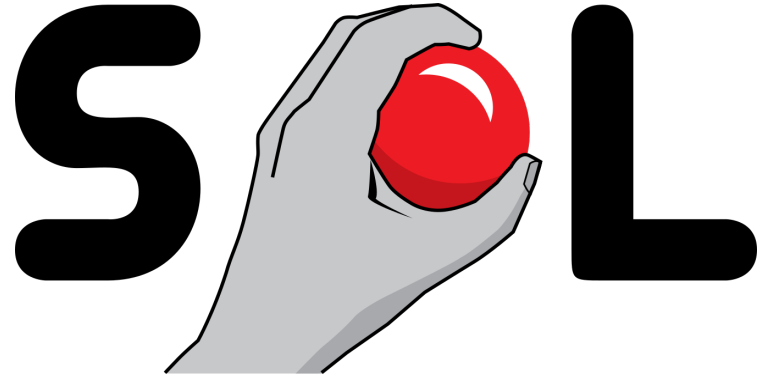


Sensorimotor Control & Learning

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Control confusion





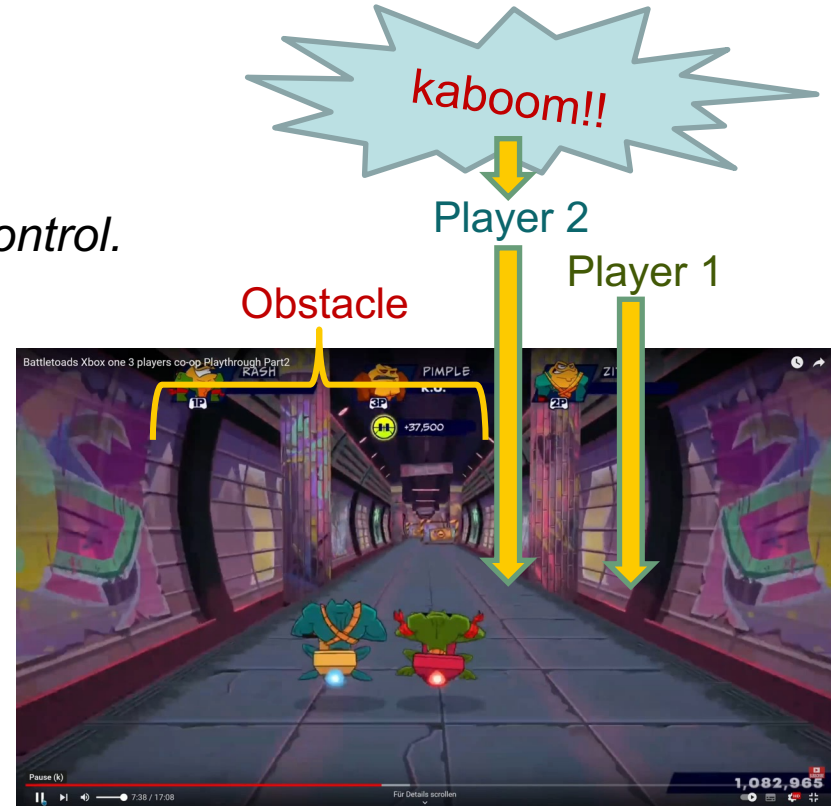
Sense of Agency (SoA)

A behavioural measurement of the SoA

Hypothesis:

A loss of Agency is reflected in confusion of control.

- What internal/external factors drive confusion?
- Can we use control confusion as a behavioural marker for psychoses (such as Schizophrenia)?
- Can we capture confusion with optimal control?
- How is Agency applied in multi-agent embodied learning?



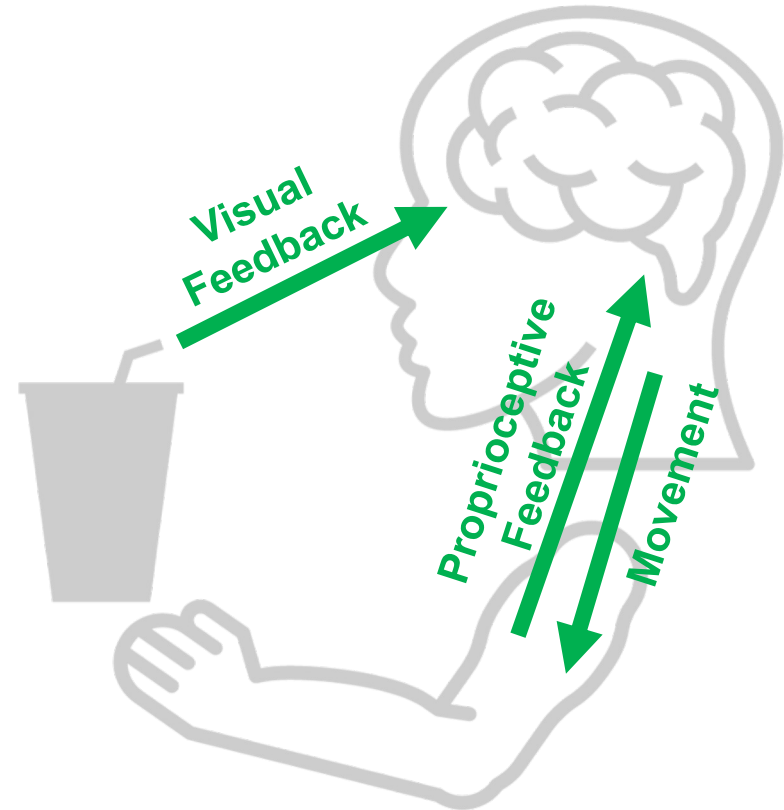


Tactile Feedback as Sensory Substitution in motor control



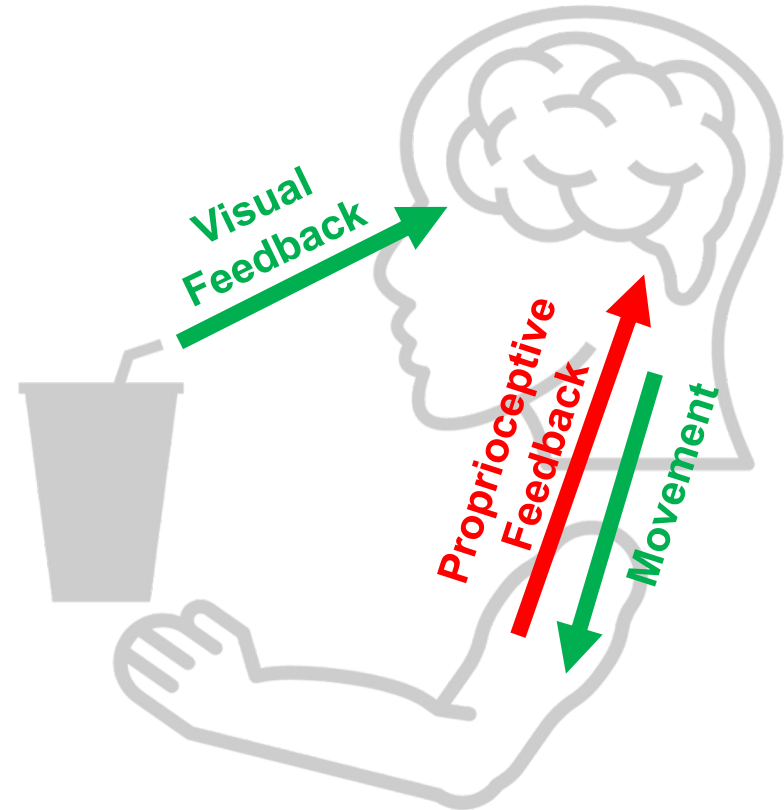


Tactile Feedback as Sensory Substitution in motor control



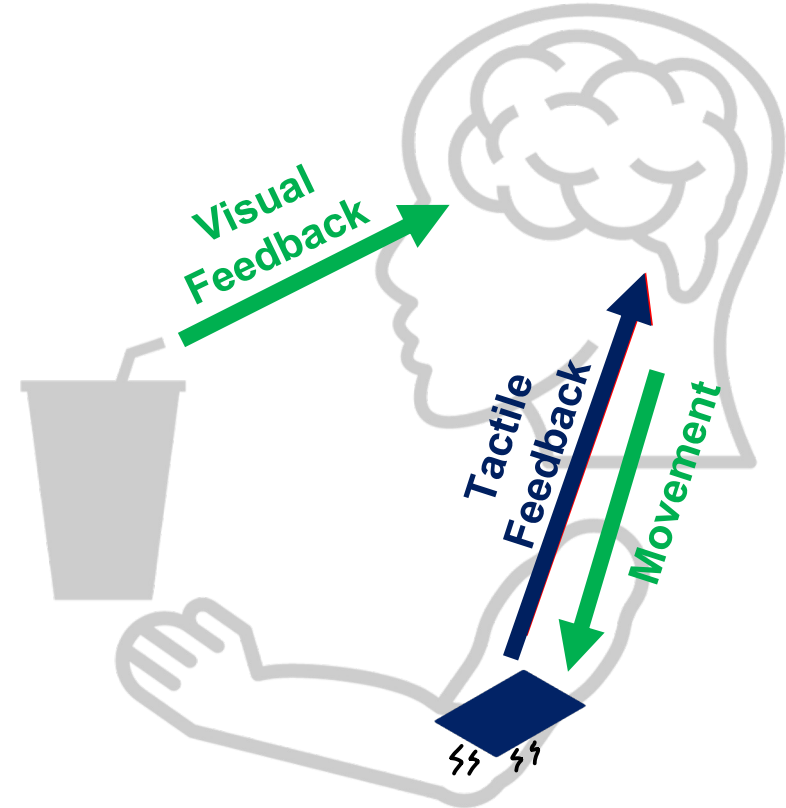
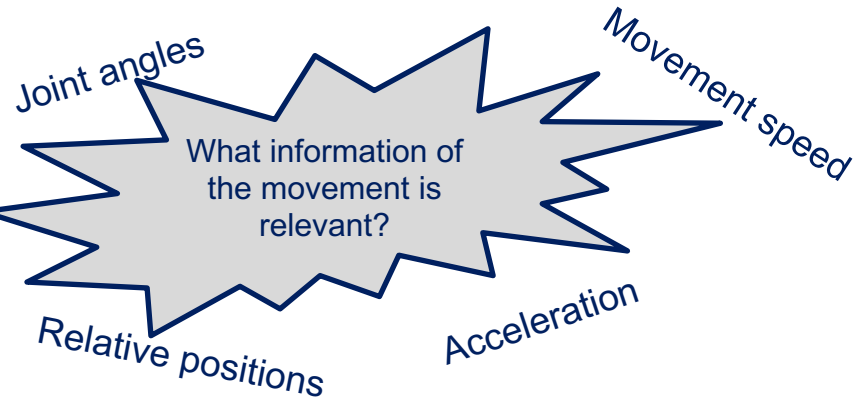


Tactile Feedback as Sensory Substitution in motor control



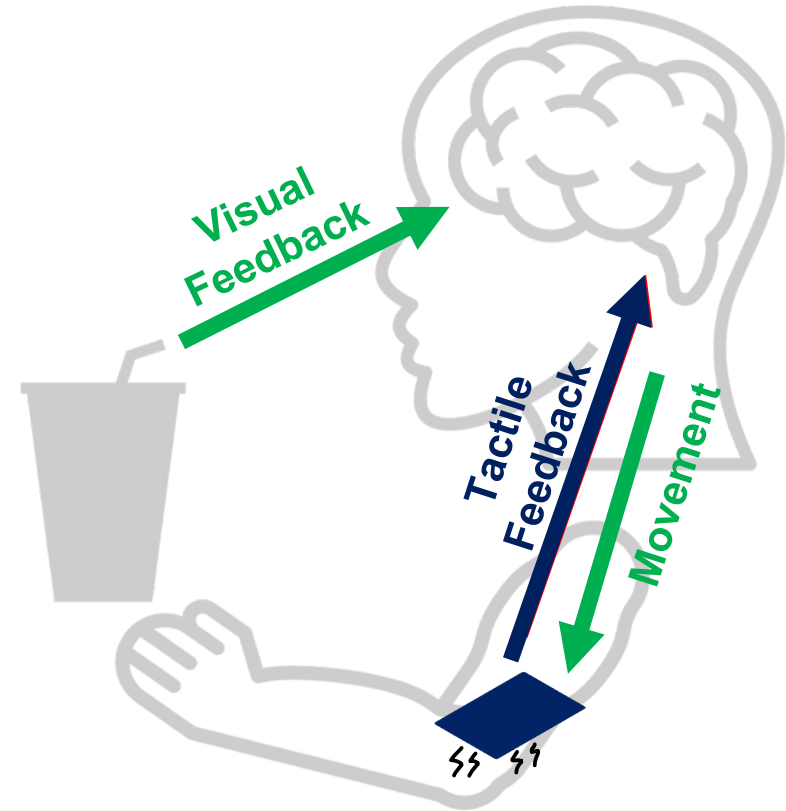
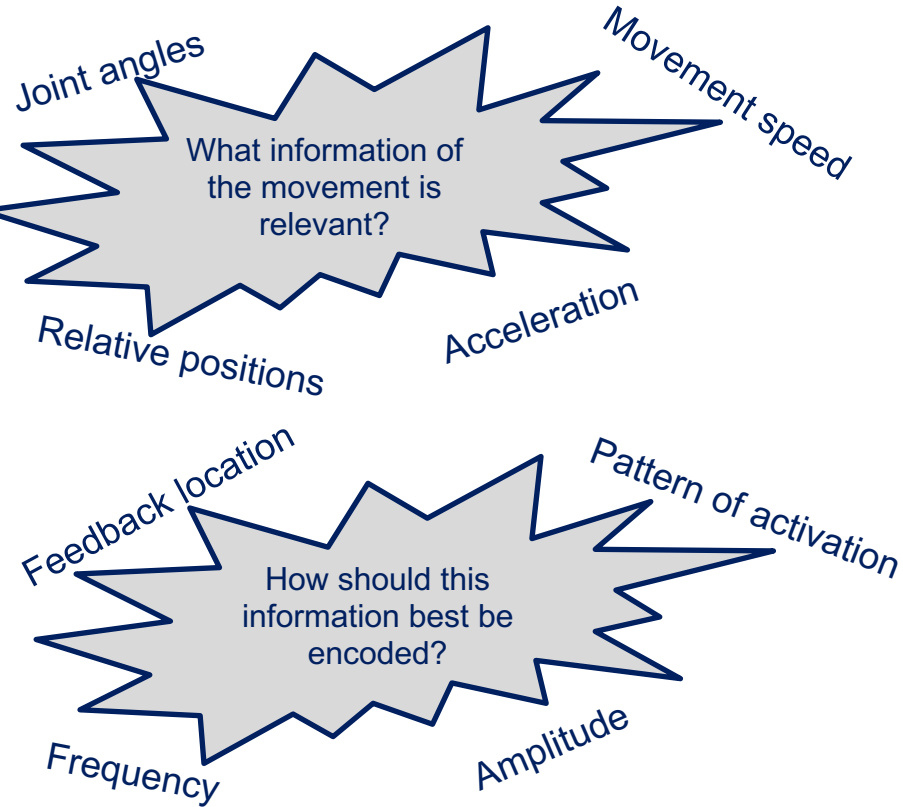


Tactile Feedback as Sensory Substitution in motor control





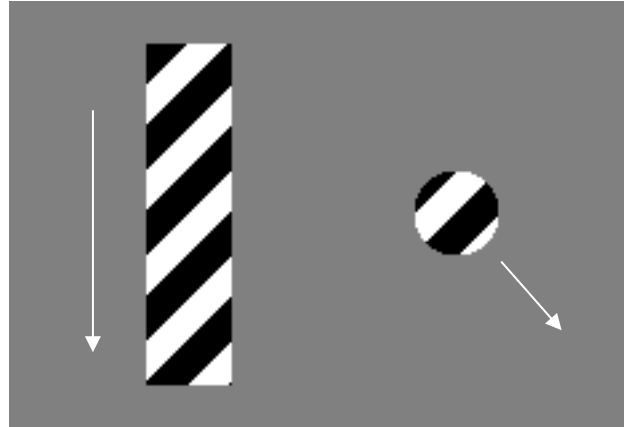
Tactile Feedback as Sensory Substitution in motor control



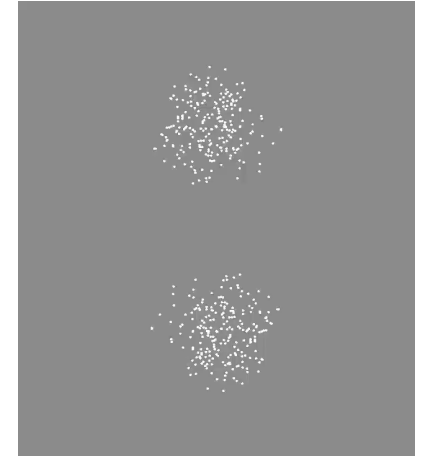
Visuomotor behaviour in motion illusions



Dazzle camouflage



Barberpole illusion



MIPS

How do such illusion prone patterns influence our behaviour in motor tasks?

Visuomotor behaviour in motion illusions



How do such illusion prone patterns influence our behaviour in motor tasks?



Further themes...

We are also happy to talk about themes such as...

Body ownership

Modelling

Multisensory perception

Tracking

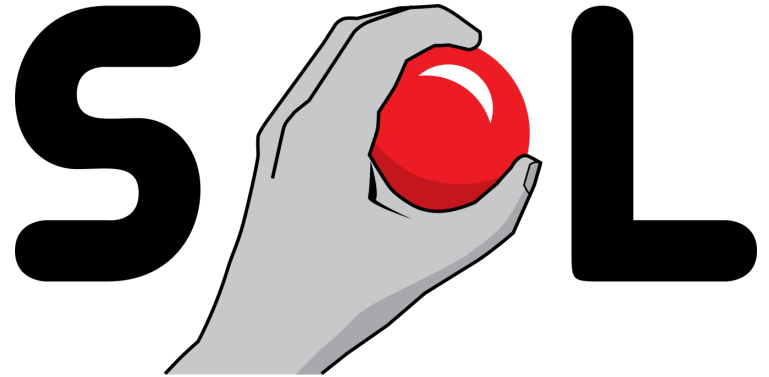
Sensorimotor adaptation

Psychophysics

and more....

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