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Research article

New ideas for brain modelling 6

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Appendix

Appendix A: Examples of the CPL Converted to a Network

Two examples of converting a CPL into the network structure are shown here. A basic algorithm is described first, with the CPL rules constructed from that, followed by the network structure. As with the main paper example, blue represents the objects, red represents the effectors and green represents the sources.

1. Drive a Car

Driver get the car
U + GC -> UCG

Start engine to drive
D + CE -> DEC

Keys to start the engine
K + EI -> KIE

Move the car with the pedal
M + CP -> MPC

Foot on pedal to move the car
M + PF -> MFP

Steer the car with the wheel
R + CW -> RWC

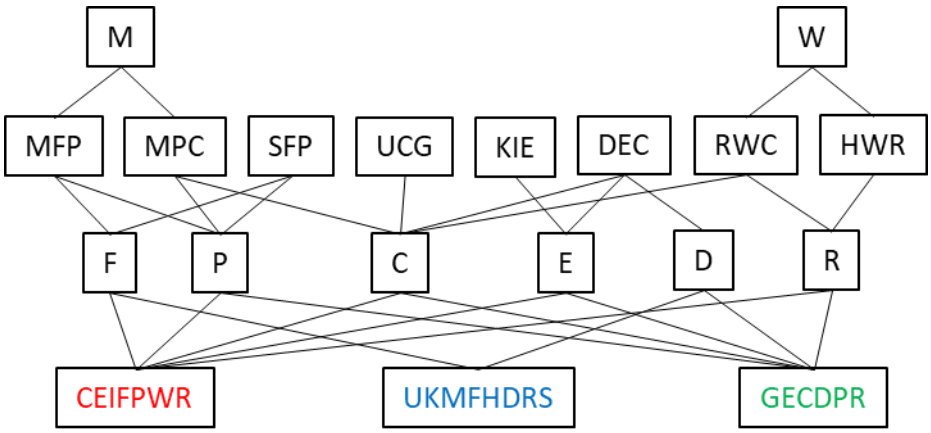
Hands on wheel to steer
H + RW -> HWR

Adjust speed
S + PF -> SFP

Driver (U), Garage (G), Car (C), Keys (K), Ignition (I), Engine (E), Foot (F), Pedal (P), Steering Wheel (W), Hands (H), Drive(D), Steer (R), Speed (S).

The upper scheduling layer could look like:

1. User - Garage - Car.
2. Keys – Ignition - Engine.
3. Foot – Pedal.
4. Hands – Steering Wheel.
5. All concepts now realised and so any cycles can be traversed.



2. Book a Holiday

Log onto Internet from Computer
U + CI -> UIC

Find Holiday web sites
W + IS -> WSI

Find Destination on Web Site
H + WD -> HDW

Find best price
P + HD -> PDH

Enter details to Book
B + HE -> BEH

User (U), Computer (C), Internet (I), Search (S), Web Site (W), Holiday Web Site (H), Destination (D), Best Price (P), Booking Details (B), Enter Details (E).

The upper scheduling layer could look like:

1. User – Computer - Internet.
2. Internet - Search.
3. Web Site – Holiday Web Site.
4. Determine Price.
5. All concepts now realised and so any cycles can be traversed.