| Autonomy         | Behaviour  | Knowledge | Application Description  |
|------------------|------------|-----------|--|
| Full<br>Autonomy | Selfish    | Minimal   | Autonomous cars deciding which route to take based on individual goals and only observing neighbours.                              |
|                  |            | Maximal   | Autonomous cars sharing information about destination, speed, etc. but each car pursues its own goals.                             |
|                  | Altruistic | Minimal   | Software components processing data stream owned by a single provider, (restricted knowledge access due to bandwidth/scalability). |
|                  |            | Maximal   | Traffic lights aiming to optimise the traffic flow taking other traffic lights into account (e.g., signalisation,                  |
|                  |            |           | control of green light duration, routing, coordination).   |
| No<br>Autonomy   | Selfish    | Minimal   | Bike sharing system with agents acting on behalf of humans, utilising the bike sharing stations.                                   |
|                  |            | Maximal   | Self-adapting software components (considering other components data) that contribute to a global                                  |
|                  |            |           | behaviour (e.g. self-healing) through prioritising their own goals.  |
|                  | Altruistic | Minimal   | Car sharing system where software controls cars to serve other users, maximising the interest of car owners.                       |
|                  |            | Maximal   | Robots jointly monitoring and splitting an area for distributed tasks such as surveillance, cleaning, etc.                         |