



Wouter Kouw

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Bayesian Intelligent Autonomous Systems lab

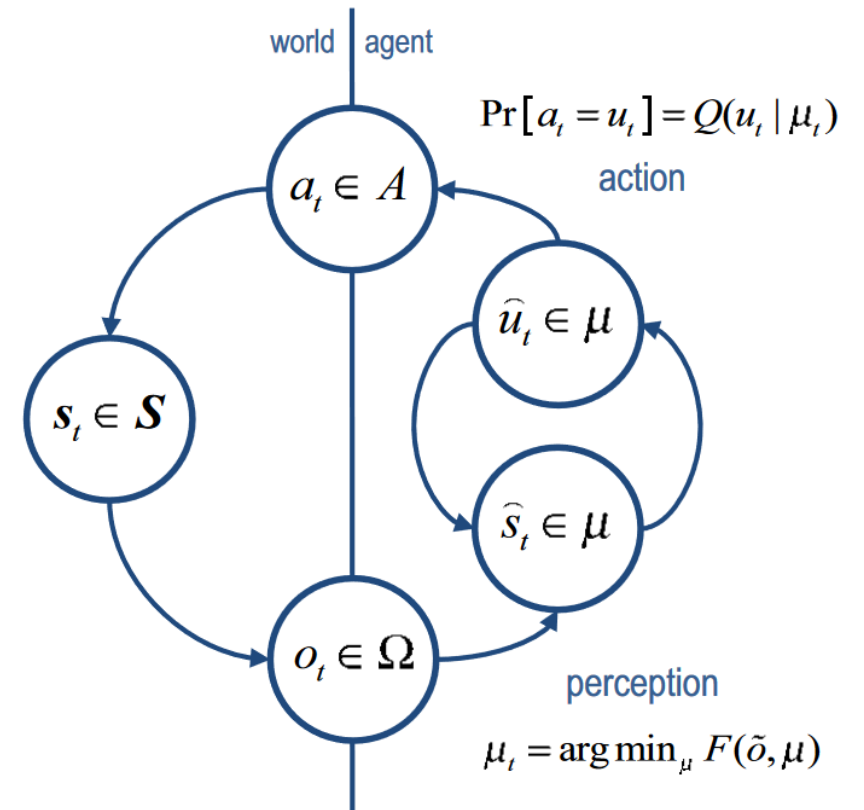
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<https://wmkouw.github.io/>

Field of research

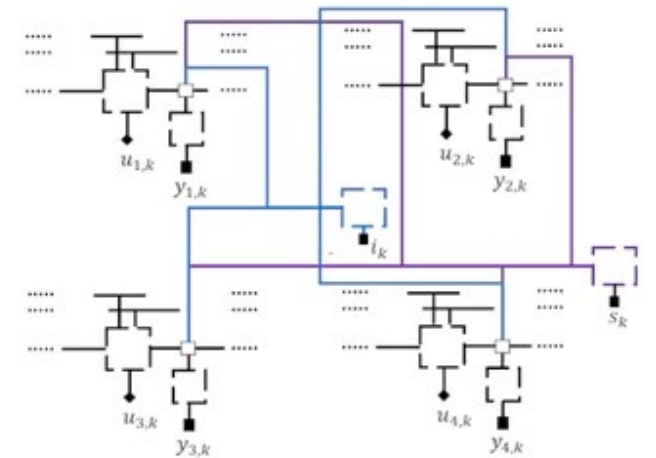
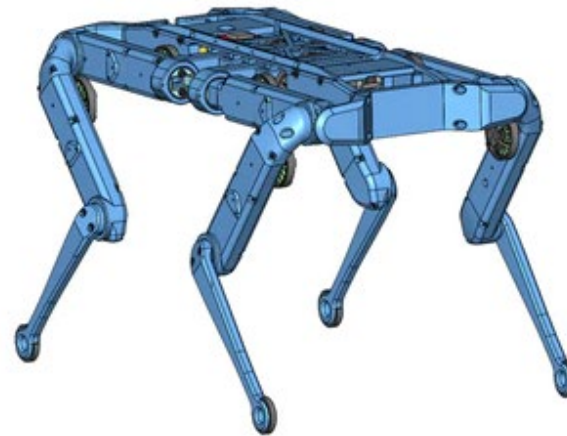
Active inference agents

- Bio-inspired perception and action
- Probabilistic machine learning.
- Variational Bayesian inference.



Open problems I work on

1. Continuous-state and continuous-action AIA.
2. AIA by message passing on factor graphs.
3. AIA on board mobile robotics.
4. Learning contact dynamics.
5. Multi-joint dynamics.



Expertise

1. (Variational) Bayesian inference.
2. Probabilistic programming.
3. Message passing.
4. System identification.
5. Adaptive control.



Automatic Bayesian Inference through Reactive Message Passing

