

Edge Intelligence Under Uncertainty



John Davies

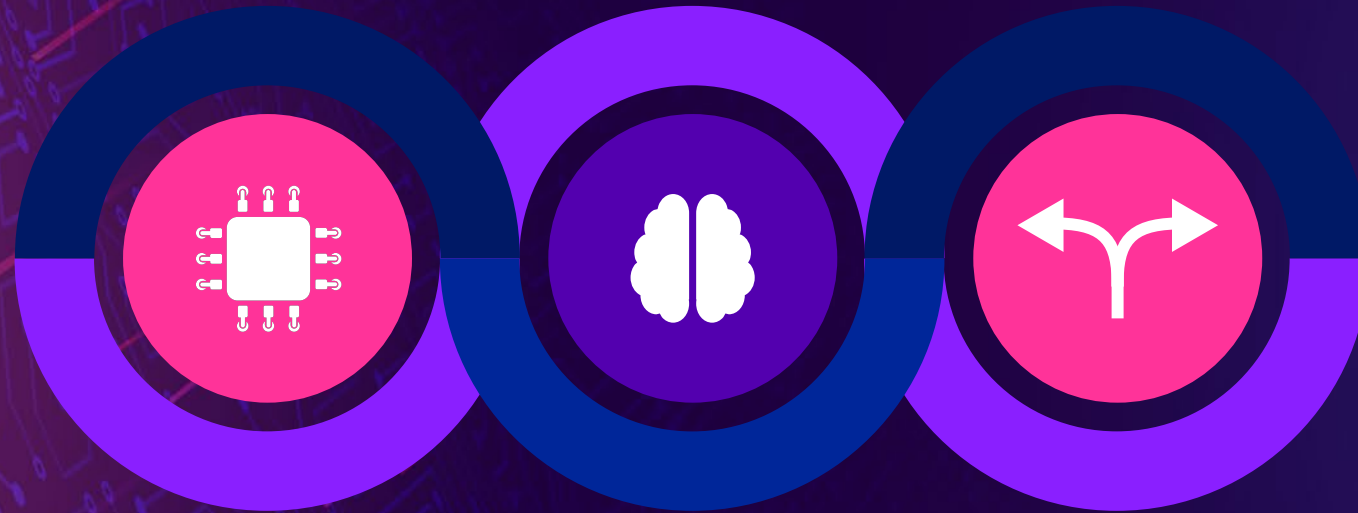
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Edge intelligence

Algorithms

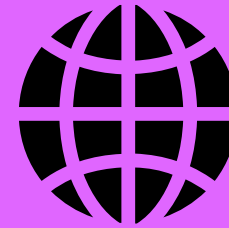


Processing

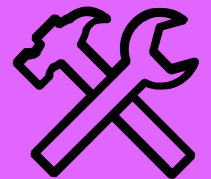
Autonomy

Key limit: **uncertainty**

What are we uncertain about?



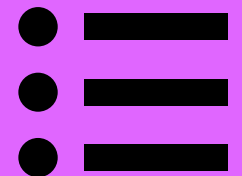
Environment



Tasks



Goals



Requirements

Overcoming uncertainty

- Continual learning
- Integrate sense and compute
- Specialize to generalize
- Align processing to decisions



THANK YOU

