



Start AI-based simulator

Initialization procedures

Simulate scenario

Simulate AI-based moment

Perceive physical sensory information and prepare AI requests

Distribute AI requests in IIoT infrastructure

Establish scenario context

Establish knowledge context

Apply AiSolution in requested context

Load requested AiSolution x

Load activation base y

Apply x on y and store results

Create AiSolution in requested context

Load training base z

Create AiSolution

Refine AiSolution in requested context

Load requested AiSolution x

Load training base z

Refine x on z and store results

Distribute AI replies in IIoT infrastructure

Simulate physical actuator information and consider AI replies

Prepare simulation of AI-based moments, e.g.
- job scheduling
- AI load balancing
- machine / workpiece information update
- ...

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