Precision Identification and Persistent Sensing

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Bin Laden

Anywhere! Anytime!

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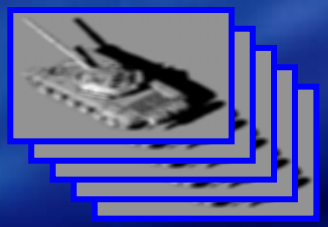
2D projection of a 3D world

Self-shadowing

Indexing problem



Complete object not

Models vs specific instances

Appearance varies

Camouflage, Concealment, & Deception

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Complete Data Sets

- Tracking vs. Searching
- Maintaining ID
- Detecting Change
- Learning

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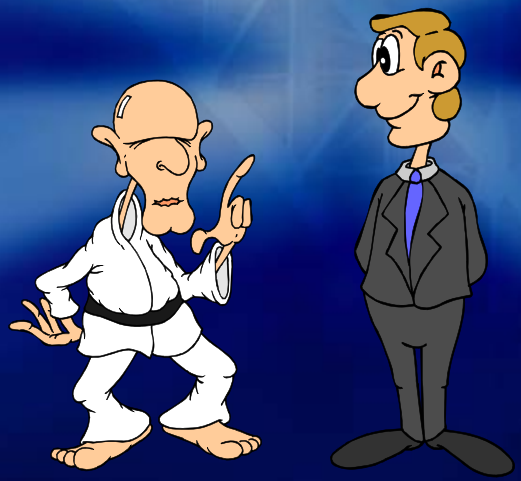
Never Make the Same Mistake Twice!

Learn By Observing



Adapt Through Experience

Improve By Dreaming

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Persistence is the ability of sensors to provide data continuously and in real-time

Ubiquity is the availability of sensors to provide data anywhere and everywhere

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