RoboCup

Challenges and Opportunities

Daniel Polani

Challenges

- robots allow few samples

- what to do in novel situations?

- robots, humans and ethics?

Opportunities

- **few samples**

  - choose them well: learn antitypical cases

  - develop robust knowledge/skills

  - stable knowledge - causality

- generalization

  - "filling the gaps"

  - "understand" the principles

  - more autonomy

- robots and ethics:

  - RoboCuppers - apply within!