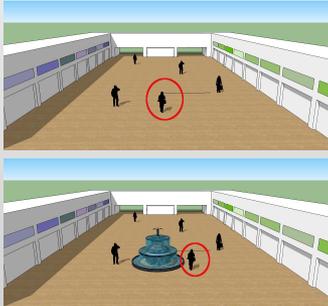
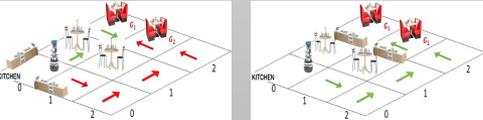


Goal Recognition Design

Offline design as a way to facilitate online goal recognition



Design for Interpretability



Information Shaping

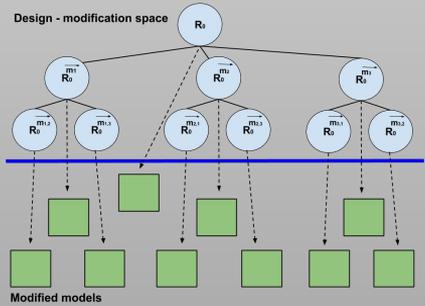
Finding the minimal information to reveal to a partially informed agent (user) to make sure the goal can be achieved/ recognized.



Sarah Keren



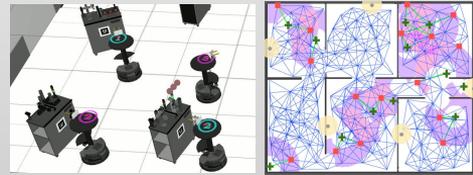
Using **automated design** to identify the inherent **capabilities** and **limitations** of **AI** agents with respect to their environment and to find the best way to **redesign** the environment to account for those limitations and **maximize** the agents' performance.



Design as a **best-first search**
 Optimality guarantees achieved using **safe pruning** and **admissible heuristics**.

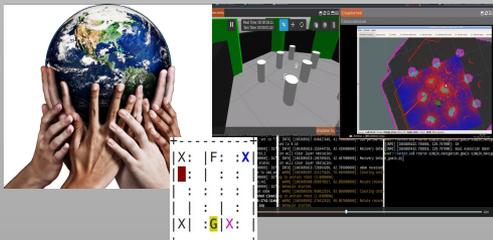
Task Aware Waypoint Sampling for Planning Robots

Accounting for social norms, safety constraints and efficiency priorities in the selection of discrete configurations for robotic task planning.



Multi-Agent Reinforcement Learning Design

Designing environments with multiple self-interested, reinforcement learning agents in order to promote sustainable and socially-aware behaviors.



Markets of minds, skills, and information