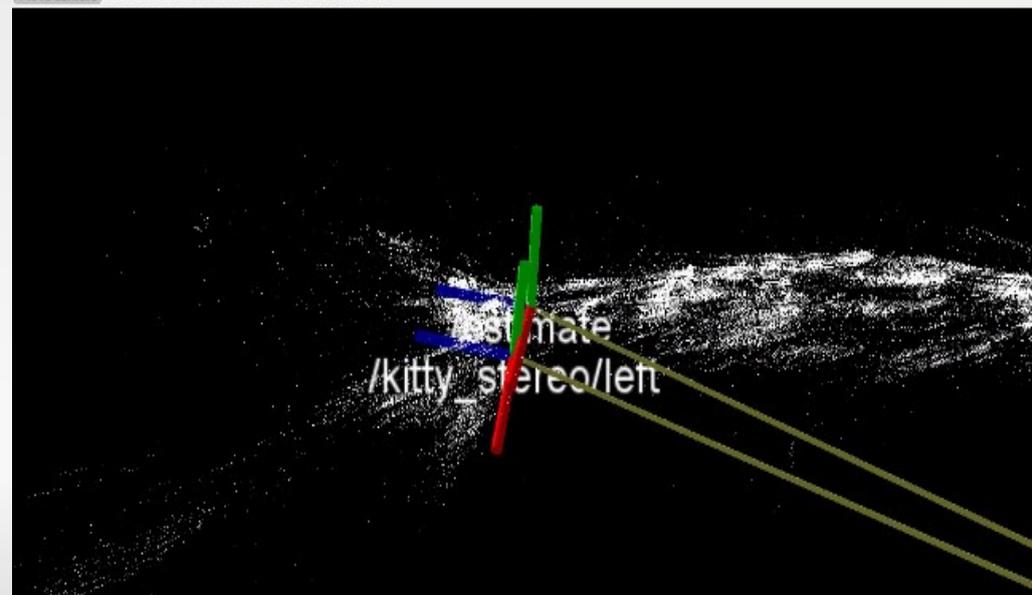# Applied Computer Vision in Robotics

Team Waitinglist:

- Ross Kidson
- Alvaro Gauterin
- Karol Hausman

Project Proposal

- Motion planning in static scenes
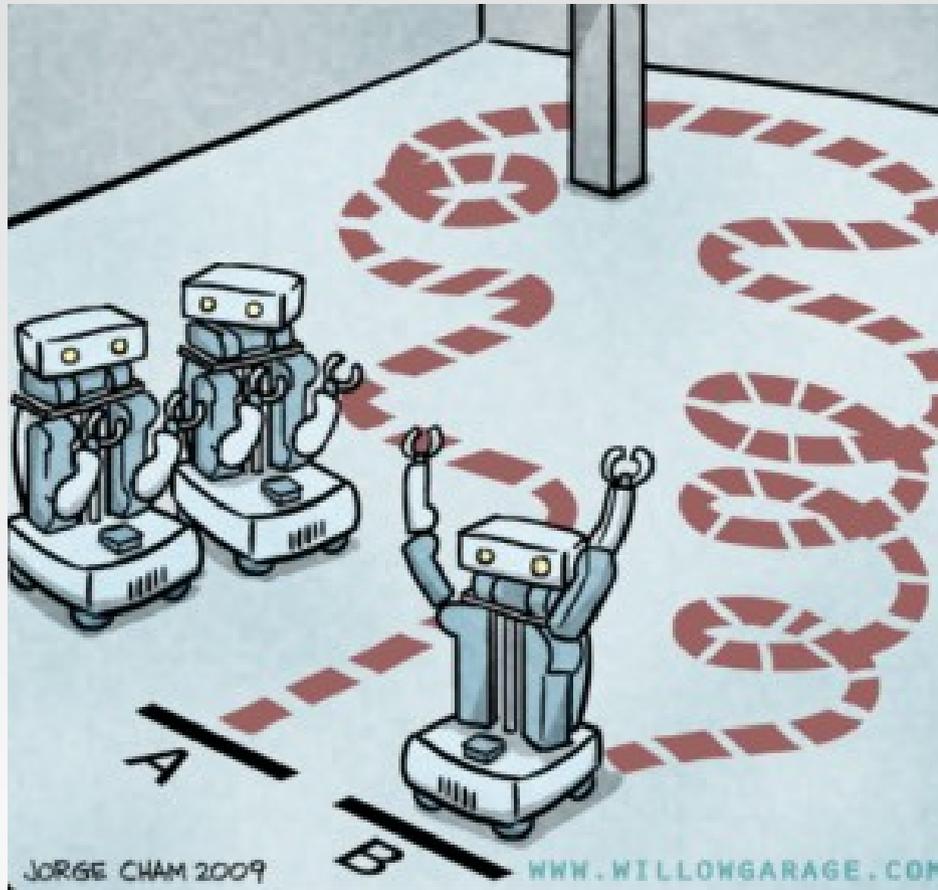
Project proposal

- Motion planning in dynamic scenes

Project proposal (optional)

- Motion planning with Robotino
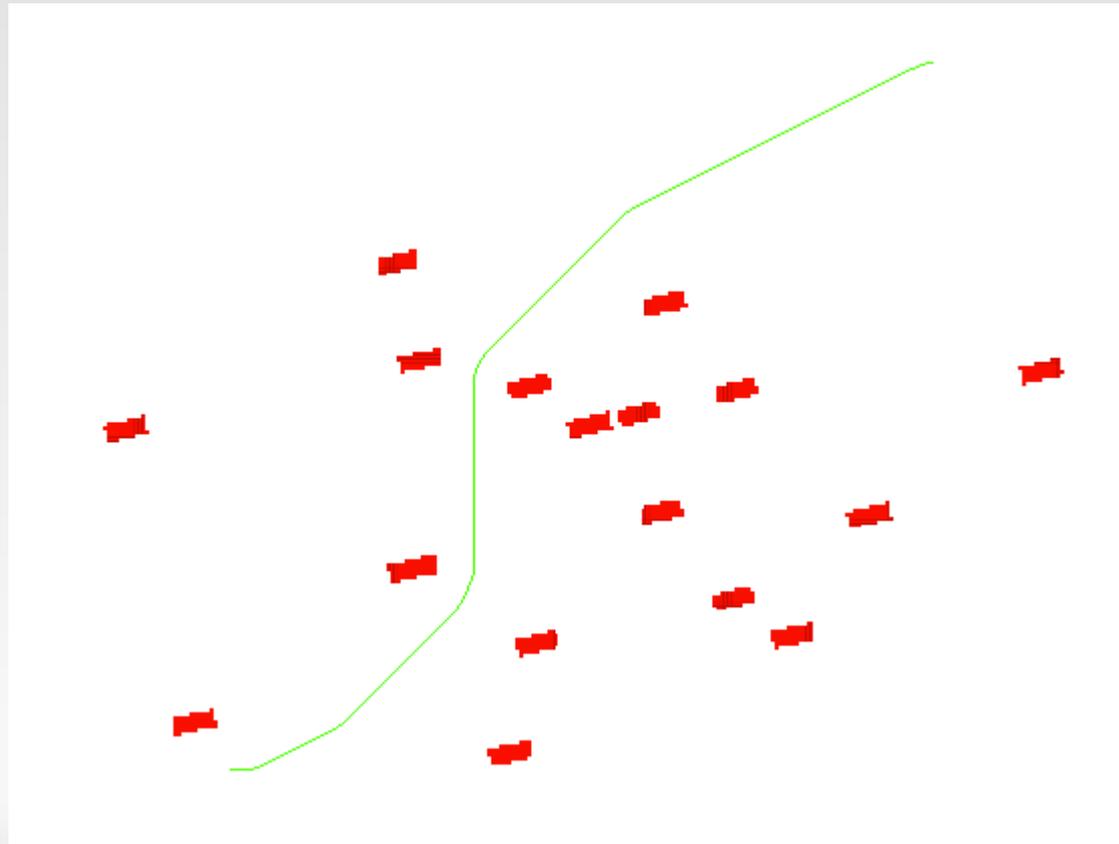
Possible solutions

- Different motion planning libraries:
  - OMPL
    - Sampling based planning library
    - No collision detection provided
    - Difficult integration with ROS
  - SBPL
    - Search based planning library
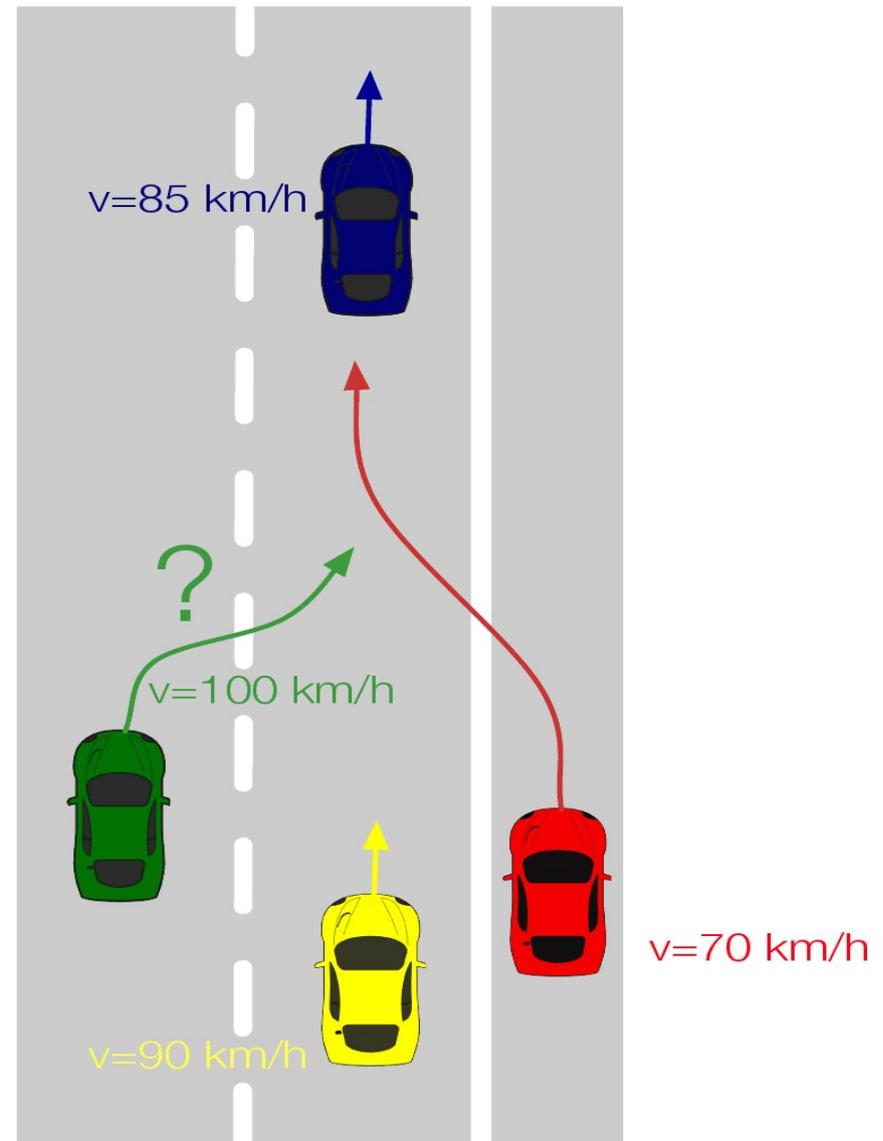   - No dynamic model of a car

Achievements

- SBPL library integrated and working in the static scene

Dynamic Scenario

- Overtaking a car
- AI involved?

OMPL Approach

- OMPL → incorporate dynamics of a car
- Implement collision detection