

# JARVIS

A CAR ASSISTANT TO PREVENT ACCIDENTS

Jarvis can help  
preventing  
accidents with  
your car





## Main points:

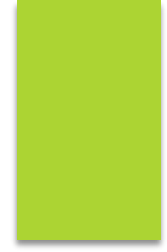
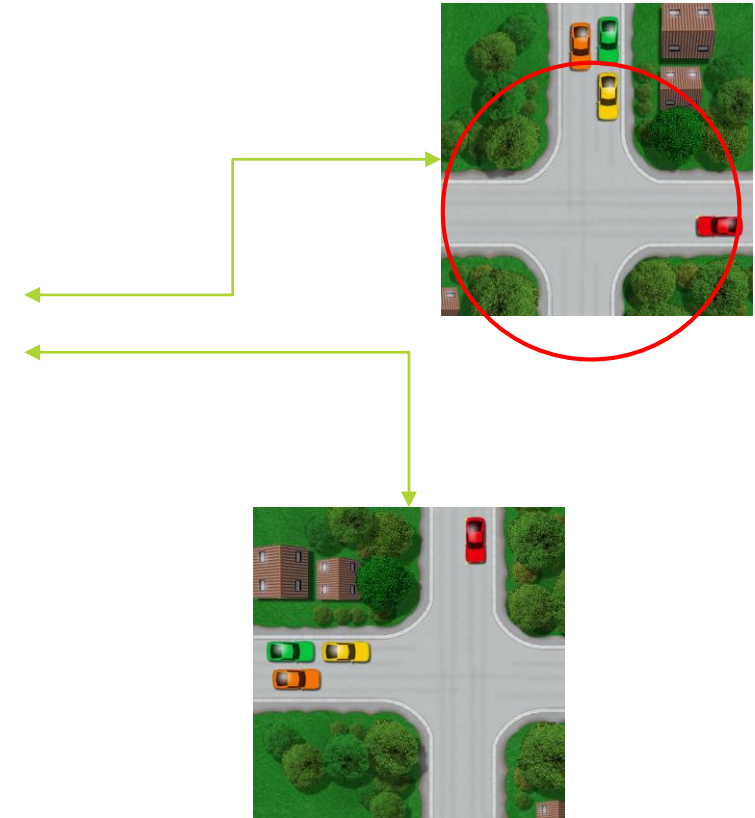
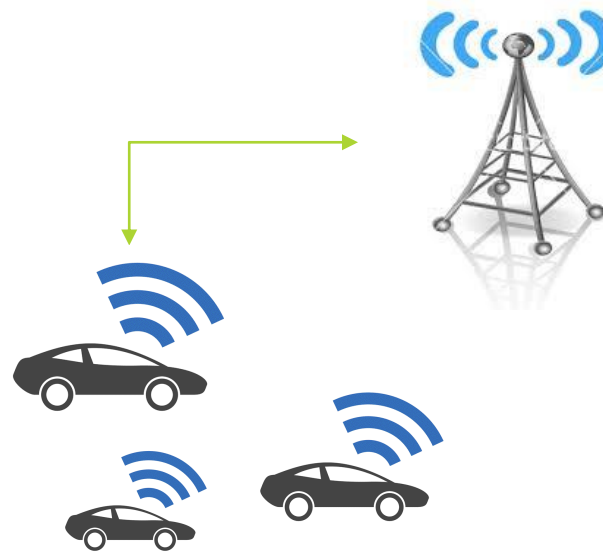
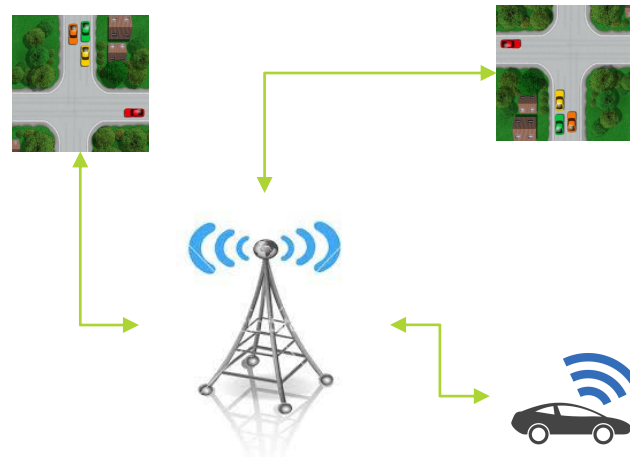
- ▶ Jarvis has a client in each car, which periodically sends information to a remote server
- ▶ There are multiple servers, each one contains a list of limited crossroads
- ▶ A client connects to the nearest server and gets alerts about other possible cars travelling towards the crossroad



How the system works?



# System Structure



# Jarvis Client:

- The client installed in a car, periodically sends his position and speed to a server
- The client connects to the nearest server and gets alerts about other possible cars travelling towards the crossroad

# Jarvis Server:

- Once received a new position from a client, the server checks if it is inside the alert-area
- If yes, it associates the car to that area; then it checks if there are other vehicles in there and calculates (based on the vehicle's previous position) if it is moving towards the center of the crossroad or away from it.
- If two or more vehicles are approaching to the center of the crossroad, Jarvis will alert the driver

THANK YOU FOR  
YOUR ATTENTION