Autonomous Parking System (APS)

Status: Filled

Group Members: Amir Khamseh, Brendon Mar, Chen Yao, Ming Du, Tim Tan

Sponsor(s):

Supervisor(s): Ahmad Rad, PhD, PEng, Professor, Mechatronic Systems Engineering

Project Description

Background

Vehicle parking congestion has been a social problem locally and worldwide. New technologies are catching the attention in communication and location due to the convenience and cost effectiveness. Application of technologies such as RFID in parking lots opens up the possibilities for intelligent systems to manage availability and navigation.

Deliverable

Scaled-down prototype and accessories of a parking lot system that manages availability of the spaces and the necessary software and hardware to help the driver find the path to the designated space. A modified RC model car capable of wireless communication with the APS will be integrated for the simulation.