

# High-level Software

Basic information (vehicle size, preferred behavior)

Route Planning

State and Parameter Estimation

## This Paper

Desired speed  
Driveable corridor  
State constraints

Specific information  
(tire-road interactions,  
CG, inertia matrix...)

Trajectory Planning

## Hardware

Steering  
Brake  
Throttle

Actuators

GPS,  
IMU...

Sensors

