



Location Awareness and Traffic Light Scheduling

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Problem Domain

- **Traffic light scheduling is archaic w.r.t context**
- **Provide traffic light scheduling with location data of cars within proximity**
- **Provide users with traffic light scheduling information**
 - **Avoid having to stop**



End Result

- **Software simulated intersections**
- **Transfer of information between traffic light scheduler and client cars simulated to provide proof of concept**
- **Different scenarios to test flexibility of scheduler provided different context and configurations**



Current State

- **Research wireless communication links for local communication**
- **Design considerations for scheduling algorithm**
 - Retain generality, extract features from process/resource scheduling algorithms
- **Design considerations for simulation environment**
 - Interfaces for ideal context