Driving Simulator in a Connected Vehicle Environment

Forest Elliott

Project

- Connected vehicles
- Collision prevention
- Speed advisory
- Stop light notification



Project

- Driving Simulator
- VISSIM
- ARADA OBU (on board unit)
- RSU (road side unit)
- Econolite Traffic Controller

Process

Driving Simulator



Process

- Unity Coded in C#
- Communicates with VISSIM



Process

Arada OBU communication



Future Work

- Establish connection between RSU and OBU
- Establish communication between traffic controller and RSU

Bibliography

"The Business Model For Connected Vehicles." Ariasystems.com, 2016, www.google.com/imgres?imgurl=https://www.ariasystems.com/blog/wp-content/uploads/2016/07/connected-car-iot.jpg&imgrefurl=https://www.ariasystems.com/blog/interview-business-model-connected-car/&h=1283&w=2500&tbnid=3EFze4V0YXIKNM:&q=connected+vehicles&tbnh=160&tbnw=312&usg= AaipzVEnLosBXzc1cU4cUiw4QA0%3D&vet=12ahUKEwj98ujDksfcAhUovlkKHfnoCWoQB0wG3oECAwQEw.i&docid=R-wJ27PQcw2P6M&itg=1&sa=X&ved=2ahUKEwj98ujDksfcAhUovlkKHfnoCWoQB0wG3oECAwQEw.