Related Works

Thamani et al developed a cluster-based highway communication model where the clustering technique is based on vehicle density, position and speed. What is different with my proposed approach is the cluster head switching where a consensus mechanism is used instead.

To verify some of the algorithms proposed for verifying networking and communication technologies, Wang et al recommend and list a couple simulators that can be used to support experiments. I use CARLA autonomous driving simulator to generate traffic states that represents driving scenarios to verify clustering in a near realistic simulated environment.

Chen et al prosed a system whose experimental results show that augmented data improve perception accuracy in addition to demonstrating feasibility for a vehicular network technologies.