Section 4: Week 7: IoT and Assisted Driving

Nate Bachmeier

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# IoT and Autonomous Driving

“Vehicular collisions, which kill thirty thousand people in the US annually and injure almost a million more, maybe tackled by using embedded wireless sensors, monitors, and actuators in automobiles (Kanuparhi, Karri, & Addepalli, 2013).” As we build systems to improve the safety of transportation, it will have a meaningful impact on a large population.

There have been several innovations in autonomous driving, such as parking assistance, lane drift detection, and various distance sensors. These capabilities have enabled drivers to gain confidence and perform tasks at advanced levels.

However, massive and fundamental shifts have yet to come. That wave of innovation requires an efficient mechanism to share sensor data across a heterogeneous wireless network of vehicles. This