Abstract

As the major intersection of Internet of Things (IoT) and smart car, Internet of Vehicles, is a specific application in Internet of Things. Especially nowadays more and more people concerned about the issue of traffic safety, so how to reduce or avoid traffic accidents by Internet of Vehicles technology, has become the most important and the most urgent problems to be solved in the development of Internet of Vehicles. RFID and ZigBee technologies are applied to get the distance and speed information between the smart cars, with scientific strategies to control driving distance, the system can keep the cars between safe distances and be able to make timely deceleration, braking and other treatment before the accident and other emergency situations. This automatic driving and warning system is helpful to solve some of the existing problems. At the same time, through the analysis of problems in the debugging process, optimization scheme is proposed to improve the reliability and safety of the assist in driving system.

Index Terms

Computer Science
Control Systems

Keywords

ITS, Internet of Vehicle, RFID, ZigBee, Assist in Driving