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Vehicular Ad-Hoc Network: An Overview

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Abstract

Abstract:
Vehicular Ad-hoc Networks (VANETs) helps in making smart vehicles by establishing communication network between vehicles or vehicle and Road Side Units (RSUs) enhancing road safety by improving traffic flow resulting in significant reduction of car accidents. In this paper, we are focusing on providing researchers and developers with a brief description of VANET, its architecture, characteristics, applications and security problems related to it.

Document Sections

I. Introduction

II. Architecture

III. Characteristics

IV. Applications

V. Security Challenges

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[A Study of Vehicular Adhoc Networks - IEEE Conference Publication](#)

A Study of Vehicular Adhoc Networks

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Sakshi Rajput ; Nidhi   All Authors

Abstract

Document Sections

Abstract:
Road accidents have become a major problem across the world today. According to Global Status Report on road safety, launched by WHO in December 2018,the number of annual road traffic deaths has reached 1.35 million [1]. VANET (Vehicular Adhoc Network) is a sub-category of MANET (Mobile Ad-hoc Network) which focuses on safety of people on the road and reducing the number of deaths due to accidents.In this paper, we are going to present the performance requirements of VANET, its characteristics, safety and non-safety applications, and security aspects.