

[Vehicular Ad-Hoc Network: An Overview - IEEE Conference Publication](#)

Conferences > 2019 International Conference...

Vehicular Ad-Hoc Network: An Overview

Publisher: IEEE

[Cite This](#)

[PDF](#)

Sakshi Sharma ; Nidhi [All Authors](#)

2
Paper
Citations

116
Full
Text Views



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

[Show Full Outline](#)

Authors

Figures

References

Published in: 2019 International Conference on Computing, Communication, and Intelligent Systems (ICCCIS)

Date of Conference: 18-19 Oct. 2019

INSPEC Accession Number: 19316830

Date Added to IEEE Xplore: 30 January 2020

DOI: 10.1109/ICCCIS48478.2019.8974524

▼ ISBN Information:

Electronic ISBN: 978-1-7281-4826-7

Print on Demand (PoD)

ISBN: 978-1-7281-4827-4

Publisher: IEEE

Conference Location: Greater Noida, India, India

Need Full-Text
access to IEEE Xplore
for your organization?

[CONTACT IEEE TO SUBSCRIBE >](#)

More Like This

A predictive road traffic management system based on vehicular ad-hoc network
2014 Australasian Telecommunication Networks and Applications Conference (ATNAC)
Published: 2014

Cluster-based D2D architecture for safety services in vehicular ad hoc networks
2018 IEEE Wireless Communications and Networking Conference Workshops (WCNCW)
Published: 2018

[Show More](#)

IEEE DataPort
Manage and store your research
data with IEEE DataPort

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

A Study of Vehicular Adhoc Networks

Publisher: IEEE

[Cite This](#)

[PDF](#)

Sakshi Rajput ; Nidhi [All Authors](#)

1 Paper Citation 37 Full Text Views



Abstract

Document Sections

- I. Introduction
- II. Vanet Characteristics & Performance Requirements
- III. Applications of Vanet
- IV. Security
- V. Conclusion

[Authors](#)

[Figures](#)

[References](#)

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.

Published in: 2019 International Conference on Computing, Communication, and Intelligent Systems (ICCCIS)

Date of Conference: 18-19 Oct. 2019 **INSPEC Accession Number:** 19316798

Date Added to IEEE Xplore: 30 January 2020 **DOI:** 10.1109/ICCCIS48478.2019.8974462

▼ISBN Information: **Publisher:** IEEE

Electronic ISBN: 978-1-7281-4826-7 **Conference Location:** Greater Noida, India, India

Print on Demand (PoD) **ISBN:** 978-1-7281-4827-4

Need Full-Text
 access to IEEE Xplore for your organization?
CONTACT IEEE TO SUBSCRIBE >

More Like This

Overview on vehicular ad hoc network and its security issues
 2014 International Conference on Computing for Sustainable Global Development (INDIACom)
 Published: 2014

Security threats in vehicular ad hoc networks
 2016 International Conference on Advances in Computing, Communications and Informatics (ICACCI)
 Published: 2016

[Show More](#)

IEEE DataPort
 Manage and store your research data with IEEE DataPort