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improve safety, decrease

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fuel consumption, and  
increase the capacity of  
existing roadways and  
which is critical for the

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transportation system  
has transformed into  
today ' s Intelligent  
Transportation System  
(ITS). It explores the  
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model technologies,  
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## And Networks Intelligent Vehicular Networks and Architectures Communications ...

In the last two decades,  
vehicular ad hoc  
networks (VANETs)  
were the topic of many  
research studies. The  
emergence of multiple  
wireless access  
technologies and the  
wide number of

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applications provided by VANET explain the significant interest in this field. Enabling communication between vehicles and infrastructure equipment (e.g. roadside units, cameras) provides drivers and traffic authorities with information related to traffic conditions and incidents.

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Vehicular cloud  
networks: Challenges,  
architectures, and ...

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goals, challenges, and  
frameworks for  
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network, discussing  
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model technologies,

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munication  
mobility management  
architectures, and  
routing mechanisms and  
protocols. It looks at the  
Internet of Vehicles, the  
vehicular cloud, and  
vehicular network  
security and privacy  
issues.

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VANETs were first mentioned and introduced in 2001 under "car-to-car ad-hoc mobile communication and networking" applications, where networks can be formed and information can be relayed among cars. It was shown that vehicle-to-vehicle and vehicle-to-

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roadside  
communications  
communications  
architectures will co-  
exist in VANETs to  
provide road safety ,  
navigation, and other  
roadside services.

Vehicular ad hoc  
network - Wikipedia  
Intelligent Vehicular  
Networks and  
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Anand, Chilamkurti,  
Naveen, Daniel, Alfred,  
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Architectures and

Applications. Abstract:

The vehicular ad hoc

network (VANET) has

been widely used as an

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application of mobile ad hoc networking in the automotive industry.

However, in the 5G / B5G era, the Internet of Things as a cutting-edge technology is gradually transforming the current Internet into a fully integrated future Internet.

Survey on the Internet

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of Vehicles: Network  
Architectures ...

Current generation  
vehicular network is  
mostly developed using  
the DSRC and  
IEEE802.11p standards.

For the next generation  
vehicular networks, the  
3GPP based LTE  
standard is considered  
as one of the key  
wireless networking  
technologies for the

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