



Bio-inspired Routing Protocols for Vehicular Ad-Hoc Networks

Salim Bitam, Abdelhamid Mellouk

Download now

[Click here](#) if your download doesn't start automatically

Bio-inspired Routing Protocols for Vehicular Ad-Hoc Networks

Salim Bitam, Abdelhamid Mellouk

Bio-inspired Routing Protocols for Vehicular Ad-Hoc Networks Salim Bitam, Abdelhamid Mellouk

Vehicular Ad-Hoc Networks (VANETs) play a key role to develop Intelligent Transportation Systems (ITS) aiming to achieve road safety and to guaranty needs of drivers and passengers, in addition to improve the transportation productivity. One of the most important challenges of this kind of networks is the data routing between VANET nodes which should be routed with high level of Quality of Service (QoS) to ensure receiving messages in the time. Then, the driver can take the appropriate decision to improve the road safety. In the literature, there are several routing protocols for VANETs which are more or less reliable to reach safety requirements. In this book, we start by describing all VANET basic concepts such as VANET definition, VANET versus Mobile ad-Hoc Network (MANET), architectures, routing definition and steps, Quality of Service (QoS) for VANET Routing, Metrics of evaluation, Experimentation, and simulation of VANETs, mobility patterns of VANET etc. Moreover, different routing protocols for routing in VANETs will be described. We propose two main categories to be presented: classical routing and bio-inspired routing. Concerning classical VANET, main principles and all phases will be overviewed, as well as, their two sub-categories which are topological and geographical protocols. After that, we propose a new category called bio-inspired routing which is inspired by natural phenomenon such as Ant colony, Bee life, Genetic operators etc. We present also, some referential protocols as example of each category.

In this book, we focus on the idea of how to apply bio-inspired principle into VANET routing to improve road safety, and to ensure QoS of vehicular applications.

 [Download Bio-inspired Routing Protocols for Vehicular Ad-Ho ...pdf](#)

 [Read Online Bio-inspired Routing Protocols for Vehicular Ad- ...pdf](#)

Download and Read Free Online Bio-inspired Routing Protocols for Vehicular Ad-Hoc Networks

Salim Bitam, Abdelhamid Mellouk

From reader reviews:

Kyle Raya:

The book Bio-inspired Routing Protocols for Vehicular Ad-Hoc Networks can give more knowledge and also the precise product information about everything you want. So just why must we leave a good thing like a book Bio-inspired Routing Protocols for Vehicular Ad-Hoc Networks? Some of you have a different opinion about reserve. But one aim in which book can give many details for us. It is absolutely suitable. Right now, try to closer using your book. Knowledge or facts that you take for that, you are able to give for each other; you could share all of these. Book Bio-inspired Routing Protocols for Vehicular Ad-Hoc Networks has simple shape nevertheless, you know: it has great and big function for you. You can search the enormous world by start and read a reserve. So it is very wonderful.

Pamela Jernigan:

In this 21st hundred years, people become competitive in most way. By being competitive right now, people have do something to make all of them survives, being in the middle of often the crowded place and notice simply by surrounding. One thing that occasionally many people have underestimated the idea for a while is reading. Yeah, by reading a book your ability to survive boost then having chance to stand than other is high. In your case who want to start reading a new book, we give you this particular Bio-inspired Routing Protocols for Vehicular Ad-Hoc Networks book as nice and daily reading publication. Why, because this book is greater than just a book.

Olivia Dickert:

Here thing why this specific Bio-inspired Routing Protocols for Vehicular Ad-Hoc Networks are different and trustworthy to be yours. First of all reading a book is good but it depends in the content of computer which is the content is as yummy as food or not. Bio-inspired Routing Protocols for Vehicular Ad-Hoc Networks giving you information deeper including different ways, you can find any book out there but there is no publication that similar with Bio-inspired Routing Protocols for Vehicular Ad-Hoc Networks. It gives you thrill reading through journey, its open up your personal eyes about the thing this happened in the world which is probably can be happened around you. It is possible to bring everywhere like in playground, café, or even in your technique home by train. In case you are having difficulties in bringing the paper book maybe the form of Bio-inspired Routing Protocols for Vehicular Ad-Hoc Networks in e-book can be your choice.

Adam Tonn:

The book untitled Bio-inspired Routing Protocols for Vehicular Ad-Hoc Networks contain a lot of information on it. The writer explains your ex idea with easy way. The language is very clear to see all the people, so do certainly not worry, you can easy to read the idea. The book was published by famous author. The author provides you in the new age of literary works. It is easy to read this book because you can please read on your smart phone, or product, so you can read the book with anywhere and anytime. If you want to

buy the e-book, you can start their official web-site and also order it. Have a nice go through.

**Download and Read Online Bio-inspired Routing Protocols for
Vehicular Ad-Hoc Networks Salim Bitam, Abdelhamid Mellouk
#F8AVD3ZOB47**

Read Bio-inspired Routing Protocols for Vehicular Ad-Hoc Networks by Salim Bitam, Abdelhamid Mellouk for online ebook

Bio-inspired Routing Protocols for Vehicular Ad-Hoc Networks by Salim Bitam, Abdelhamid Mellouk Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Bio-inspired Routing Protocols for Vehicular Ad-Hoc Networks by Salim Bitam, Abdelhamid Mellouk books to read online.

Online Bio-inspired Routing Protocols for Vehicular Ad-Hoc Networks by Salim Bitam, Abdelhamid Mellouk ebook PDF download

Bio-inspired Routing Protocols for Vehicular Ad-Hoc Networks by Salim Bitam, Abdelhamid Mellouk Doc

Bio-inspired Routing Protocols for Vehicular Ad-Hoc Networks by Salim Bitam, Abdelhamid Mellouk Mobipocket

Bio-inspired Routing Protocols for Vehicular Ad-Hoc Networks by Salim Bitam, Abdelhamid Mellouk EPub