



Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges

By Raul Aquino-Santos



Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges By Raul Aquino-Santos

Inter-vehicle communication (IVC) systems based on wireless ad-hoc networks have the potential to provide increased automotive safety, to achieve smooth traffic flow on the roads, and to improve passenger convenience by providing information and entertainment. However, implementing IVC systems for widespread use also presents a number of technical obstacles.

Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges explores different models for inter-vehicular communication, in which vehicles are equipped with on-board computers that function as nodes in a wireless network. The book covers current theories and applications in physical, medium access, and network layers of IVC systems, exploring inter-vehicle ad-hoc routing protocols and the challenges of predicting vehicular movements, particularly inter-vehicular distance and relative velocity in highly dynamic and varied real-world scenarios.

 [Download Wireless Technologies in Vehicular Ad Hoc Networks ...pdf](#)

 [Read Online Wireless Technologies in Vehicular Ad Hoc Networ ...pdf](#)

Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges

By Raul Aquino-Santos

Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges By Raul Aquino-Santos

Inter-vehicle communication (IVC) systems based on wireless ad-hoc networks have the potential to provide increased automotive safety, to achieve smooth traffic flow on the roads, and to improve passenger convenience by providing information and entertainment. However, implementing IVC systems for widespread use also presents a number of technical obstacles.

Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges explores different models for inter-vehicular communication, in which vehicles are equipped with on-board computers that function as nodes in a wireless network. The book covers current theories and applications in physical, medium access, and network layers of IVC systems, exploring inter-vehicle ad-hoc routing protocols and the challenges of predicting vehicular movements, particularly inter-vehicular distance and relative velocity in highly dynamic and varied real-world scenarios.

Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges By Raul Aquino-Santos **Bibliography**

- Sales Rank: #12232455 in Books
- Brand: Brand: IGI Global
- Published on: 2012-02-29
- Original language: English
- Number of items: 1
- Dimensions: 11.02" h x .88" w x 8.50" l, 2.46 pounds
- Binding: Hardcover
- 382 pages

 [Download Wireless Technologies in Vehicular Ad Hoc Networks ...pdf](#)

 [Read Online Wireless Technologies in Vehicular Ad Hoc Networ ...pdf](#)

Download and Read Free Online Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges By Raul Aquino-Santos

Editorial Review

Review

[...] I highly recommend Dr. Santos's timely book. I believe it will benefit many readers and inspire them to conquer the challenges mentioned in this book for vehicular ad hoc networks. --*Huaqun Guo, Institute for Infocomm Research, A*STAR, Singapore*

About the Author

Raúl Aquino Santos graduated from the University of Colima with a BE in Electrical Engineering, received his MS degree in Telecommunications from the Centre for Scientific Research and Higher Education in Ensenada, Mexico in 1990. He holds a PhD from the Department of Electrical and Electronic Engineering of the University of Sheffield, England. Since 2005, he has been with the College of Telematics, at the University of Colima, where he is currently a Research-Professor in telecommunications networks. His current research interests include wireless and sensor networks.

Arthur Edwards received his Master's degree in Education from the University of Houston in 1985. He has been a Researcher-Professor at the University of Colima since 1985, where he has served in various capacities. He has been with the School of Telematics since 1998. His primary areas of research are Computer Assisted Language Learning (CALL), distance learning, collaborative learning, multimodal learning, and mobile learning. The primary focus of his research is presently in the area of mobile collaborative learning.

Victor Rangel received the B.Eng (Hons) degree in Computer Engineering in the Engineering Faculty from the National Autonomous University of Mexico (UNAM) in 1996, the M.Sc in Telematics at from the University of Sheffield, U.K. in 1998, and the Ph.D. in Performance Analysis and Traffic Scheduling in Cable Networks in 2002, from the University of Sheffield. Since 2002, he has been with the School of Engineering, UNAM, where he is currently a Research-Professor in telecommunications networks. His research focuses on fixed, mesh and mobile broadband wireless access networks, QoS over IP, traffic shaping, and scheduling.

Users Review

From reader reviews:

Bruce Parisien:

Typically the book Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges will bring that you the new experience of reading a new book. The author style to spell out the idea is very unique. In case you try to find new book to learn, this book very ideal to you. The book Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges is much recommended to you to learn. You can also get the e-book from official web site, so you can more readily to read the book.

James Harris:

A lot of people always spent all their free time to vacation or even go to the outside with them family or their friend. Did you know? Many a lot of people spent many people free time just watching TV, or even playing video games all day long. If you would like try to find a new activity that is look different you can read a book. It is really fun for yourself. If you enjoy the book that you read you can spent all day long to reading a publication. The book Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges it is rather good to read. There are a lot of those who recommended this book. These people were enjoying reading this book. If you did not have enough space to develop this book you can buy the particular e-book. You can m0ore quickly to read this book through your smart phone. The price is not to cover but this book offers high quality.

Dewey Rascon:

Beside that Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges in your phone, it could possibly give you a way to get nearer to the new knowledge or facts. The information and the knowledge you will got here is fresh in the oven so don't become worry if you feel like an previous people live in narrow town. It is good thing to have Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges because this book offers for you readable information. Do you at times have book but you don't get what it's all about. Oh come on, that would not happen if you have this with your hand. The Enjoyable agreement here cannot be questionable, just like treasuring beautiful island. Use you still want to miss that? Find this book along with read it from at this point!

Jessica Sarmiento:

A number of people said that they feel bored when they reading a reserve. They are directly felt the idea when they get a half parts of the book. You can choose the book Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges to make your current reading is interesting. Your current skill of reading expertise is developing when you like reading. Try to choose very simple book to make you enjoy to learn it and mingle the sensation about book and studying especially. It is to be 1st opinion for you to like to wide open a book and go through it. Beside that the book Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges can to be your friend when you're experience alone and confuse with the information must you're doing of their time.

Download and Read Online Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges By Raul Aquino-Santos #F5V1I7HCG9K

Read Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges By Raul Aquino-Santos for online ebook

Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges By Raul Aquino-Santos Free PDF download, 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 Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges By Raul Aquino-Santos books to read online.

Online Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges By Raul Aquino-Santos ebook PDF download

Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges By Raul Aquino-Santos Doc

Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges By Raul Aquino-Santos Mobipocket

Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges By Raul Aquino-Santos EPub