



Improvement of IP Mobility Support in Vehicular Scenarios

By Laurence Banda

LAP Lambert Academic Publishing Dez 2014, 2014. Taschenbuch. Condition: Neu. Neuware - This work presents an IPv6-based mobility support scheme for vehicular scenarios. The focus of this study is on the modelling of an efficient network layer handover scheme suitable for vehicular network environments. In order to achieve this, a Vehicular Fast handovers for Mobile IPv6 (VMIPv6) network layer protocol has been proposed. This scheme employs the predictive mode of Fast handovers for Mobile IPv6 (FMIPv6) standard. The proposed VMIPv6 scheme aims at reducing the long handover latency currently affecting the performance of ITS delay-sensitive applications which lead to degradation in overall QoS. The proposed scheme adopts the concept of sectorisation using directional antennas. The GPS devices mounted on vehicles aid in keeping track of the vehicles' real-time mobility parameters so as to reduce the delay due to the Router discovery process. Furthermore, the proposed scheme exploits the huge IPv6 address space such that each On-board Unit and each Subnet Access Router is assigned a permanent global IPv6 address with which it is reachable regardless of its location. Simulation results show that the proposed scheme outperforms the current standard solutions. 160 pp. Englisch.



[READ ONLINE](#)
[4.95 MB]

Reviews

If you need to adding benefit, a must buy book. It really is witter in straightforward words and phrases and not confusing. You will not feel monotony at anytime of your respective time (that's what catalogues are for concerning if you ask me).

-- **Dr. Celestino Treutel**

This is the greatest book we have read through till now. It is probably the most amazing book we have go through. I am just happy to tell you that here is the greatest book we have read through during my individual daily life and may be he best ebook for possibly.

-- **Eliseo Leffler**