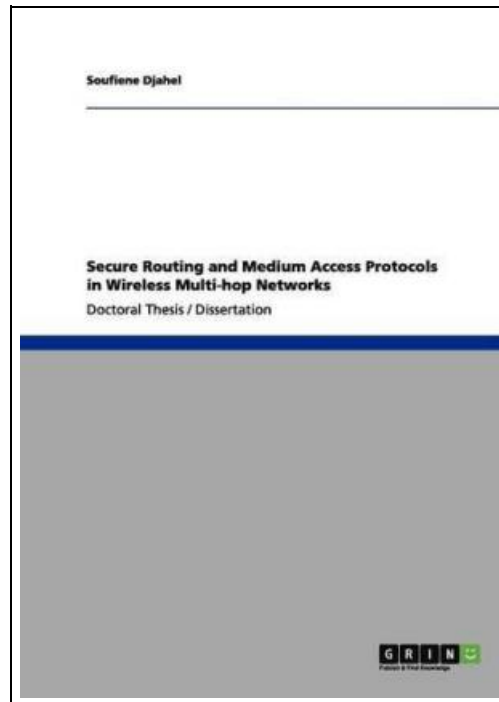


Secure Routing and Medium Access Protocols in Wireless Multi-Hop Networks



Filesize: 5.5 MB

Reviews

Very useful for all group of people. It is amongst the most incredible pdf i actually have read through. Its been written in an extremely straightforward way and it is just right after i finished reading through this pdf by which basically modified me, change the way i think.
(Felicia Nikolaus)

SECURE ROUTING AND MEDIUM ACCESS PROTOCOLS IN WIRELESS MULTI-HOP NETWORKS

[DOWNLOAD](#)

GRIN Verlag. Paperback. Condition: New. 172 pages. Dimensions: 8.3in. x 5.8in. x 0.4in. Doctoral Thesis Dissertation from the year 2011 in the subject Computer Science - Internet, New Technologies, grade: -, Lille 1 University (Laboratoire d'Informatique Fondamentale de Lille), course: Security in Wireless Multi-hop Networks, language: English, abstract: While the rapid proliferation of mobile devices along with the tremendous growth of various applications using wireless multi-hop networks have significantly facilitate our human life, securing and ensuring high quality services of these networks are still a primary concern. In particular, anomalous protocol operation in wireless multi-hop networks has recently received considerable attention in the research community. These relevant security issues are fundamentally different from those of wireline networks due to the special characteristics of wireless multi-hop networks, such as the limited energy resources and the lack of centralized control. These issues are extremely hard to cope with due to the absence of trust relationships between the nodes. To enhance security in wireless multi-hop networks, this dissertation addresses both MAC and routing layers misbehaviors issues, with main focuses on thwarting black hole attack in proactive routing protocols like OLSR, and greedy behavior in IEEE 802. 11 MAC protocol. Our contributions are briefly summarized as follows. As for black hole attack, we analyze two types of attack scenarios: one is launched at routing layer, and the other is cross layer. We then provide comprehensive analysis on the consequences of this attack and propose effective countermeasures. As for MAC layer misbehavior, we particularly study the adaptive greedy behavior in the context of Wireless Mesh Networks (WMNs) and propose FLSAC (Fuzzy Logic based scheme to Struggle against Adaptive Cheaters) to cope with it. A new characterization of the greedy behavior in Mobile Ad Hoc Networks (MANETs) is also introduced. Finally, we design a new backoff scheme...

[Read Secure Routing and Medium Access Protocols in Wireless Multi-Hop Networks Online](#)[Download PDF Secure Routing and Medium Access Protocols in Wireless Multi-Hop Networks](#)

Related Kindle Books



Estrellas Peregrinas Cuentos de Magia y Poder Spanish Edition

Pinata Books. Paperback. Book Condition: New. Paperback. 178 pages. Dimensions: 8.3in. x 5.4in. x 0.6in. First ever Spanish-language edition of the critically acclaimed collection of short stories for young adults by a master of Latino literature...

[Read Book](#)

»



Summer Fit Preschool to Kindergarten Math, Reading, Writing, Language Arts Fitness, Nutrition and Values

Summer Fit Learning. Paperback. Book Condition: New. Paperback. 160 pages. Dimensions: 10.6in. x 8.3in. x 0.5in. Summer Fit Activity Books move summer learning beyond academics to also prepare children physically and socially for the grade ahead....

[Read Book](#)

»



God Loves You. Chester Blue

Henry and George Press. Paperback. Book Condition: New. Ursula Andrejczuk (illustrator). Paperback. 140 pages. Dimensions: 8.0in. x 5.2in. x 0.3in. BEAUTIFUL NEW ILLUSTRATIONS BRING THE STORY TO LIFE! A charming book about a mysterious bear that shows...

[Read Book](#)

»



Memoirs of Robert Cary, Earl of Monmouth

BiblioLife. Paperback. Book Condition: New. This item is printed on demand. Paperback. 142 pages. Dimensions: 8.0in. x 5.0in. x 0.3in. The Author of the Memoirs. The Memoirs here presented to the reader may be said to...

[Read Book](#)

»



The Day I Forgot to Pray

Tate Publishing. Paperback. Book Condition: New. Paperback. 28 pages. Dimensions: 8.7in. x 5.8in. x 0.3in. Alexis is an ordinary five-year-old who likes to run and play in the sandbox. On her first day of Kindergarten, she...

[Read Book](#)

»