Record Nr. UNINA9910739466403321 Wireless networks and security: issues, challenges and research trends **Titolo** // Shafiullah Khan and Al-Sakib Khan Pathan (eds.) Pubbl/distr/stampa Berlin; ; New York, : Springer, c2013 **ISBN** 3-642-36169-2 Edizione [1st ed. 2013.] 1 online resource (viii, 512 pages): illustrations (some color) Descrizione fisica Collana Signals and communication technology, , 1860-4862 Altri autori (Persone) KhanShafiullah Khan PathanAl-Sakib Disciplina 621.382 Soggetti Wireless communication systems - Security measures Mobile communication systems - Security measures Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Includes indexes. Note generali Nota di bibliografia Includes bibliographical references and indexes. Nota di contenuto From the contents: Security in Amateur Packet Radio Networks --Security Issues in Mobile Ad hoc Network -- Secure AODV Routing Protocol Based on Trust Mechanism -- Security and Privacy in Vehicular Ad-hoc Networks: survey and the road ahead -- Security issues and approaches on wireless M2M systems -- Security and Privacy in Wireless Body Area Networks for Health Care Applications -- Security and Privacy Issues in Wireless Mesh Networks: A Survey -- Trust Establishment Techniques in VANET. Sommario/riassunto "Wireless Networks and Security" provides a broad coverage of wireless security issues including cryptographic coprocessors, encryption, authentication, key management, attacks and countermeasures, secure routing, secure medium access control, intrusion detection, epidemics, security performance analysis, security issues in applications. The contributions identify various vulnerabilities in the physical layer, MAC layer, network layer, transport layer, and application layer, and focus on ways of strengthening security mechanisms and services throughout the layers. This carefully edited monograph is targeting for

researchers, post-graduate students in universities, academics, and

industry practitioners or professionals. .