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Nota di contenuto	Intro -- FROM PROBLEM TOWARD SOLUTION:WIRELESS SENSOR NETWORKSSECURITY -- Distributed, Cluster and Grid Computing -- FROM PROBLEM TOWARD SOLUTION:WIRELESS SENSOR NETWORKSSECURITY -- CONTENTS -- PREFACE -- PART 1.ATTACKS AND COUNTERMEASURES -- PRESERVING DATA AUTHENTICITY IN WIRELESSSENSOR NETWORKS: ATTACKS ANDCOUNTERMEASURES -- Abstract -- 1. Introduction -- 2. Models and Approaches -- 2.1. System Model -- 2.2. Threat Model -- 2.3. Solution Approaches -- 3. Passive Approaches -- 3.1. Secure Report Generation -- 3.2. Filtering with Uniform Key Sharing -- 3.3. Filtering with Route-specific Key Sharing -- 3.3.1. Interleaved Hop-by-hop Authentication -- 3.3.2. Other Solutions with Route-specific Key Sharing -- 3.4. Filtering with Location-based Key Sharing -- 3.4.1. Location-Based Resilient Security -- 3.4.2. Location-aware End-to-End Data Security -- 4. Proactive Approaches -- 4.1. Group Re-keying -- 4.2. Packet Traceback -- 4.3. Correlation among Data Content -- 4.3.1. Correlation Analysis and Modified t-test -- 5. Conclusion -- References -- LOCATION TRACKING ATTACK IN AD HOCNETWORKS BASED ON TOPOLOGY INFORMATION -- Abstract -- 1. Introduction -- 2. RelatedWork -- 3.

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Sommario/riassunto

Reserving data authenticity in a hostile environment, where the sensor nodes may be compromised is a critical security issue for wireless sensor networks. This book covers location tracking attack in ad hoc networks based on topolgy information, security aware routing in hierarchical optical sensor networks and more.