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Autore	KAUFFMAN Robert M.
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Autore	Xiao Yang
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Nota di contenuto	Front cover; Contents; Preface; About the Editor; Contributors; Part I: Security in Distributed Computing; Chapter 1. Security for Content Distribution Networks - Concepts, Systems and Research Issues; Chapter 2. Key Management and Agreement in Distributed Systems; Chapter 3. Securing Design Patterns for Distributed Systems; Part II: Security in Mobile Computing; Chapter 4. Pragmatic Security for Constrained Wireless Networks; Chapter 5. Authentication in Wireless Networks; Chapter 6. Intrusion Detection in Wireless Sensor Networks Chapter 7. False Data Detection and Secure Data Aggregation in Wireless Sensor NetworksChapter 8. Privacy and Anonymity in Mobile Ad Hoc Networks; Chapter 9. Security Issues in the IEEE 802.15.1 Bluetooth Wireless Personal Area Networks; Part III: Security in Grid Computing; Chapter 10. State-of-the-Art Security in Grid Computing; Chapter 11. Unifying Grid and Organizational Security Mechanisms; Chapter 12. Grid Security Architecture: Requirements, Fundamentals, Standards and Models; Chapter 13. A Trust-Based Access Control Management Framework for a Secure Grid Environment Chapter 14. Distributed Computing Grids-Safety and SecurityPart IV: Security in Pervasive Computing; Chapter 15. Security Solutions for Pervasive Healthcare; Chapter 16. Wireless Sensor Network Security: A Survey; Index; Back cover
Sommario/riassunto	Despite recent dramatic advances in computer security regarding the proliferation of services and applications, security threats are still major impediments in the deployment of these services. Paying serious attention to these issues, "Security in Distributed, Grid, Mobile, and Pervasive Computing" focuses on the increasing demand to guarantee privacy, integrity, and availability of resources in networks and distributed systems. A rich and useful presentation of strategies for security issues, the book covers each computing area in separate sections. It first reviews security issues and challenges in content distribution networks, describes key agreement protocols based on the Diffie-Hellman key exchange and key management protocols for complex distributed systems like the Internet, and discusses securing design patterns for distributed systems.; The next section focuses on security in mobile computing and wireless networks, covering wireless authentication methods, secure data aggregation, and anonymous routing protocol.; After a section on grid computing security, the book presents an overview of security solutions for pervasive healthcare systems and surveys wireless sensor network security. With more and more vital information stored on computers, security professionals need to know how to combat threats and complications. Offering strategies to tackle these issues, this book provides essential security information for researchers, practitioners, educators, and graduate students in the field.