

1. Record Nr.	UNINA9910350238003321
Titolo	Advances in Cyber Security: Principles, Techniques, and Applications // edited by Kuan-Ching Li, Xiaofeng Chen, Willy Susilo
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2019
ISBN	981-13-1483-7
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (270 pages)
Disciplina	005.8
Soggetti	Computer security Data encryption (Computer science) Coding theory Information theory Systems and Data Security Cryptography Coding and Information Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Lightweight Solutions for Public Key Encryption in Resource-Constrained Environments: A Survey of Stateful Public Key Encryption Schemes -- Non-Intrusive Load Monitoring Algorithms for Privacy Mining in Smart Grid -- Accountable Anonymous Credentials -- CAPTCHA Design and Security Issues -- Ring Signature -- Data Authentication with Privacy Protection -- A Methodology for Retrofitting Privacy and Its Application to e-Shopping Transactions -- Pseudonymous Signature Schemes.
Sommario/riassunto	This book provides state-of-the-art coverage of the principles, techniques, and management of issues in cyber security, including threat attacks, privacy, signature and encryption schemes. One of the most important topics addressed concerns lightweight solutions for public key encryption in resource-constrained environments; the book highlights the latest developments in this area. Authentication is another central issue in cyber security. In this book, we address this aspect and sub-aspects ranging from cryptographic approaches to practical design issues, such as CAPTCHA. Privacy is another main topic

that is discussed in detail, from techniques for enhancing privacy to pseudonymous schemes. Addressing key issues in the emerging field of cyber security, this book effectively bridges the gap between computer security and threat attacks, and showcases promising applications involving cryptography and security.
