

1. Record Nr.	UNINA9910298973803321
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Titolo	Homomorphic Encryption and Applications // by Xun Yi, Russell Paulet, Elisa Bertino
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-12229-0
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (136 p.)
Collana	SpringerBriefs in Computer Science, , 2191-5776
Disciplina	004 004.0151 005.82 006.312 621 621.389
Soggetti	Cryptography Data encryption (Computer science) Graph theory Computer science - Mathematics Data mining Security systems Cryptology Graph Theory Mathematical Applications in Computer Science Data Mining and Knowledge Discovery Security Science and Technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Homomorphic Encryption -- Fully Homomorphic Encryption -- Remote End-to-End Voting Scheme -- Nearest Neighbor Queries with Location Privacy -- Private Searching on Streaming Data.
Sommario/riassunto	This book introduces the fundamental concepts of homomorphic encryption. From these foundations, applications are developed in the

fields of private information retrieval, private searching on streaming data, privacy-preserving data mining, electronic voting and cloud computing. The content is presented in an instructional and practical style, with concrete examples to enhance the reader's understanding. This volume achieves a balance between the theoretical and the practical components of modern information security. Readers will learn key principles of homomorphic encryption as well as their application in solving real world problems.
