

1. Record Nr.	UNINA9910450288903321
Autore	Churchhouse R. F.
Titolo	Codes and ciphers : Julius Caesar, the Enigma, and the internet // R.F. Churchhouse [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2002
ISBN	1-107-12517-0 1-283-33148-9 9786613331489 1-139-13407-8 1-139-13037-4 0-511-04218-3 0-511-15561-1 0-511-54297-6 0-511-04504-2
Descrizione fisica	1 online resource (x, 240 pages) : digital, PDF file(s)
Disciplina	652/.8
Soggetti	Cryptography Ciphers
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	; 1. Introduction -- ; 2. From Julius Caesar to simple substitution -- ; 3. Polyalphabetic systems -- ; 4. Jigsaw ciphers -- ; 5. Two-letter ciphers -- ; 6. Codes -- ; 7. Ciphers for spies -- ; 8. Producing random numbers and letters -- ; 9. The Enigma cipher machine -- ; 10. The Hagelin cipher machine -- ; 11. Beyond the Enigma -- ; 12. Public key cryptography -- ; 13. Encipherment and the internet.
Sommario/riassunto	The design of code and cipher systems has undergone major changes in modern times. Powerful personal computers have resulted in an explosion of e-banking, e-commerce and e-mail, and as a consequence the encryption of communications to ensure security has become a matter of public interest and importance. This book describes and analyses many cipher systems ranging from the earliest and elementary to the more recent and sophisticated, such as RSA and

DES, as well as wartime machines such as the ENIGMA and Hagelin, and ciphers used by spies. Security issues and possible methods of attack are discussed and illustrated by examples. The design of many systems involves advanced mathematical concepts and this is explained in detail in a major appendix. This book will appeal to anyone interested in codes and ciphers as used by private individuals, spies, governments and industry throughout history.
