

1. Record Nr.	UNINA9910255005903321
Titolo	Cyber Deception : Building the Scientific Foundation / / edited by Sushil Jajodia, V.S. Subrahmanian, Vipin Swarup, Cliff Wang
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-32699-6
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (X, 312 p. 111 illus.)
Disciplina	005.8
Soggetti	Data protection Computer networks Application software Cryptography Data encryption (Computer science) Telecommunication Data and Information Security Computer Communication Networks Computer and Information Systems Applications Cryptology Communications Engineering, Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Integrating Cyber-D&D into Adversary Modeling for Active Cyber Defense -- Cyber Security Deception -- Quantifying Covertness in Deceptive Cyber Deception -- Design Considerations for Building Cyber Deception Systems -- A Proactive and Deceptive Perspective for Role Detection and Concealment in Wireless Networks -- Effective Cyber Deception -- Cyber-Deception and Attribution in Capture-the-Flag Exercises -- Deceiving Attackers by Creating a Virtual Attack Surface -- Embedded Honeypotting -- Agile Virtual Infrastructure for Cyber Deception Against Stealthy DDoS Attacks -- Exploring Malicious Hacker Forums -- Anonymity in an electronic Society: A Survey.
Sommario/riassunto	This edited volume features a wide spectrum of the latest computer

science research relating to cyber deception. Specifically, it features work from the areas of artificial intelligence, game theory, programming languages, graph theory, and more. The work presented in this book highlights the complex and multi-facted aspects of cyber deception, identifies the new scientific problems that will emerge in the domain as a result of the complexity, and presents novel approaches to these problems. This book can be used as a text for a graduate-level survey/seminar course on cutting-edge computer science research relating to cyber-security, or as a supplemental text for a regular graduate-level course on cyber-security.

---