1.	Record Nr.	UNINA9910583324603321
	Autore	Edgar Thomas W.
	Titolo	Research methods for cyber security / / Thomas W. Edgar, David O. Manz
	Pubbl/distr/stampa	Cambridge, Massachusetts : , : Syngress, an imprint of Elsevier, , [2017] 2017
	ISBN	0-12-812930-1
	Edizione	[1st edition]
	Descrizione fisica	1 online resource (xxiii, 404 pages) : illustrations (some color)
	Collana	Gale eBooks
	Disciplina	005.8071
	Soggetti	Computer security Cyberspace - Security measures
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Includes index.
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	pt. 1. Introduction -- pt. 2. Observational research methods -- pt. 3. Mathematical research methods -- pt. 4. Experimental research methods -- pt. 5. Applied research methods -- pt. 6. Additional materials.
	Sommario/riassunto	Research Methods for Cyber Security teaches scientific methods for generating impactful knowledge, validating theories, and adding critical rigor to the cyber security field. This book shows how to develop a research plan, beginning by starting research with a question, then offers an introduction to the broad range of useful research methods for cyber security research: observational, mathematical, experimental, and applied. Each research method chapter concludes with recommended outlines and suggested templates for submission to peer reviewed venues. This book concludes with information on cross-cutting issues within cyber security research. Cyber security research contends with numerous unique issues, such as an extremely fast environment evolution, adversarial behavior, and the merging of natural and social science phenomena. Research Methods for Cyber Security addresses these concerns and much more by teaching readers not only the process of science in the context of cyber security research, but providing assistance in execution of research as well. Presents research methods from a cyber security science perspective

Catalyzes the rigorous research necessary to propel the cyber security field forward Provides a guided method selection for the type of research being conducted, presented in the context of real-world usage