

1. Record Nr.	UNINA9910437604703321
Titolo	Network robustness under large-scale attacks // Qing Zhou ... [et al.]
Pubbl/distr/stampa	New York, : Springer, 2013
ISBN	1-283-90826-3 1-4614-4860-3
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (43 p.)
Collana	SpringerBriefs in computer science, , 2191-5768
Altri autori (Persone)	ZhouQing
Disciplina	004.6
Soggetti	Computer security Computer networks - Security measures
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 -- System Models -- Link-Level Network Robustness to Area Attacks -- Network-Wide Robustness to Area Attacks -- Simulation Results -- Conclusion.
Sommario/riassunto	Network Robustness under Large-Scale Attacks provides the analysis of network robustness under attacks, with a focus on large-scale correlated physical attacks. The book begins with a thorough overview of the latest research and techniques to analyze the network responses to different types of attacks over various network topologies and connection models. It then introduces a new large-scale physical attack model coined as area attack, under which a new network robustness measure is introduced and applied to study the network responses. With this book, readers will learn the necessary tools to evaluate how a complex network responds to random and possibly correlated attacks.