

1. Record Nr.	UNINA9910784066203321
Titolo	Large scale structure and dynamics of complex networks [[electronic resource]] : from information technology to finance and natural science // editors Guido Caldarelli, Alessandro Vespignani
Pubbl/distr/stampa	Singapore ; ; Hackensack, NJ, : World Scientific, c2007
ISBN	1-281-12181-9 9786611121815 981-277-168-9
Descrizione fisica	1 online resource (264 p.)
Collana	Complex systems and interdisciplinary science ; ; 2
Altri autori (Persone)	CaldarelliGuido VespignaniAlessandro <1965->
Disciplina	004.6
Soggetti	System analysis Mathematical analysis
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 (p. 235-248) and index.
Nota di contenuto	Preface; Contents; Introduction; 1 Preliminaries and Basic Definitions in Network Theory; 2 Models of Complex Networks; 3 Correlations in Complex Networks; 4 The Architecture of Complex Weighted Networks: Measurements and Models; 5 Community Structure Identification; 6 Visualizing Large Complex Networks; 7 Modeling the Webgraph: How Far We Are; 8 The Large Scale Structure of the Internet; 9 Spanning Trees in Ecology; 10 Social and Financial Networks; References; Index
Sommario/riassunto	This book is the culmination of three years of research effort on a multidisciplinary project in which physicists, mathematicians, computer scientists and social scientists worked together to arrive at a unifying picture of complex networks. The contributed chapters form a reference for the various problems in data analysis visualization and modeling of complex networks.