

1. Record Nr.	UNISALENTO991003612759707536
Autore	Barabási, Albert-László
Titolo	Network science / Albert-László Barabási, with Márton Pósfai, data analysis and simulations
ISBN	1107076269 9781107076266
Descrizione fisica	xviii, 456 pages : illustrations (chiefly color), color charts ; 25 cm
Classificazione	AMS 68M10 LC TK5105.5.B373
Altri autori (Persone)	Pósfai, Mártonauthor
Disciplina	004.6
Soggetti	Computer networks Information networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index
Nota di contenuto	Introduction -- Graph theory -- Random networks -- The scale-free property -- The Barabási--Albert model -- Evolving networks -- Degree correlation -- Network robustness -- Communities -- Spreading phenomena
Sommario/riassunto	"Networks are everywhere, from the Internet, to social networks, and the genetic networks that determine our biological existence. Illustrated throughout in full colour, this pioneering textbook, spanning a wide range of topics from physics to computer science, engineering, economics and the social sciences, introduces network science to an interdisciplinary audience. From the origins of the six degrees of separation to explaining why networks are robust to random failures, the author explores how viruses like Ebola and H1N1 spread, and why it is that our friends have more friends than we do. Using numerous real-world examples, this innovatively designed text includes clear delineation between undergraduate and graduate level material"-- Page 4 of cover