

1. Record Nr.	UNINA9910299386003321
Autore	Barthelemy Marc <1965->
Titolo	Morphogenesis of Spatial Networks / by Marc Barthelemy
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-20565-X
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XIX, 331 p. 187 illus.)
Collana	Lecture Notes in Morphogenesis, , 2195-1934
Disciplina	338.6042
Soggetti	Urban geography System theory Graph theory Transportation Civil engineering Urban Geography / Urbanism (inc. megacities, cities, towns) Complex Systems Graph Theory Civil Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	This book develops a morphodynamical approach of spatial networks with a particular emphasis on infrastructure networks such as streets, roads and transportation networks (subway, train). The author presents the mathematical tools needed to characterize these structures and how they evolve in time. The book discusses the most important empirical results and stylized facts, and will present the most important models of spatial networks. The target audience primarily comprises research scientists interested in this rapidly evolving and highly interdisciplinary field, but the book may also be beneficial for graduate students interested in large networks.