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Descrizione fisica	1 online resource (375 pages)
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Disciplina	003 621
Soggetti	Graph theory Sociology - Methodology Dynamics Nonlinear theories System theory Graph Theory Sociological Methods Applied Dynamical Systems Complex Systems
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Modeling Frameworks and Tools -- Measures of Temporal Network Structure -- Mesoscopic Structures -- Epidemic Spreading -- Other Dynamic Processes.
Sommario/riassunto	This book focuses on the theoretical side of temporal network research and gives an overview of the state of the art in the field. Curated by two pioneers in the field who have helped to shape it, the book contains contributions from many leading researchers. Temporal networks fill the border area between network science and time-series analysis and are relevant for the modeling of epidemics, optimization of transportation and logistics, as well as understanding biological phenomena. Network theory has proven, over the past 20 years to be one of the most powerful tools for the study and analysis of complex systems. Temporal network theory is perhaps the most recent

significant development in the field in recent years, with direct applications to many of the "big data" sets. This monograph will appeal to students, researchers and professionals alike interested in theory and temporal networks, a field that has grown tremendously over the last decade.

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