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Descrizione fisica	1 online resource (375 pages)
Collana	Computational Social Sciences, , 2509-9574
Disciplina	003 621
Soggetti	Physics Social sciences—Data processing Social sciences—Computer programs Computational complexity System theory Applications of Graph Theory and Complex Networks Computational Social Sciences Complexity Complex Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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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