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Titolo	The origin and the evolution of firms : information as a driving force // Joop A. Roels
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Descrizione fisica	1 online resource (215 pages) : illustrations
Disciplina	330.1
Soggetti	Evolutionary economics - Mathematical models System theory Business enterprises Thermodynamics
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Laws, theories and models -- Macroscopic thermodynamics -- Macroscopic and microscopic models : statistical thermodynamics -- A general theory of transformations and economic transactions -- Systems theory of evolution -- The firm and information processing -- Some concepts of economic theory -- The evolution of the universe -- The co-evolution of earth and life -- Human evolution -- History of science -- The evolution of technology -- The Industrial Revolution -- The development of some of the leading firms -- Tracing the source and the direction of evolution : a summary -- Epilogue.
Sommario/riassunto	The firms and markets of today's complex socio-economic system developed in a spontaneous process termed evolution, in just the same way as the universe, the solar system, the Earth and all that lives upon it. Darwin's theory of evolution clearly demonstrated that evolution involved increasing organization. As we began to explore the molecular basis of life and its evolution, it became equally clear that it depended on the processing and communication of information. This book develops a consistent theory of evolution in its wider sense, examining the information based laws and forces that drive it. Exploring subjects

as diverse as economics and the theories of thermodynamics, the author revisits the paradox of the apparent conflict between the laws of thermodynamics and evolution to arrive at a systems theory, tracing a continuous line of evolving information sets that connect the Big-Bang to the firms and markets of our current socio-economic system.

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