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Soggetti	Labor economics Game theory Sociophysics Econophysics Physics Labor Economics Game Theory, Economics, Social and Behav. Sciences Data-driven Science, Modeling and Theory Building Applications of Graph Theory and Complex Networks
Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Social Networks and Labour-Education Market System -- Complex Adaptive Systems and Agent-Based Modelling -- Using Agent-Based Modelling in Studying Labour-Education Market System.
Sommario/riassunto	This book covers the modelling of human behaviour in the education and labour markets, which due to their interdependency are viewed as one system. Important factors influencing the decision-making of individuals and firms in this system are discussed. The role of social environment and networks is stressed. The approach of agent-based modelling is presented and compared with standard economic modelling and other simulation techniques in the context of modelling complex adaptive systems. Practical questions in building agent-based models of labour–education market system with social networks are discussed. These questions include modelling the structure of education system and agent behaviour there; modelling and calibrating

the labour market without and with firms; generating the social network, defining its behaviour and calibrating it; and embedding the resulting system into a larger model.

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