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Descrizione fisica	1 online resource (XII, 144 p. 40 illus., 34 illus. in color.)
Disciplina	624
Soggetti	Construction industry - Management Artificial intelligence Security systems Financial risk management Construction Management Artificial Intelligence Security Science and Technology Risk Management
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Nota di contenuto	Construction safety artificial intelligence chatbot -- Knowledge sharing by IoT and Web 2.0: a machine learning approach -- Leading indicators and informatics for construction safety -- Construction safety index: an AHP approach -- Application of structural equation modelling in studying construction safety -- Mathematical modelling for analysing construction safey -- Construction near misses reporting.
Sommario/riassunto	This book examines construction safety from the perspective of informatics and econometrics. It demonstrates the potential of employing various information technology approaches to share construction safety knowledge. In addition, it presents the application of econometrics in construction safety studies, such as an analytic hierarchy process used to create a construction safety index. It also discusses structure equation and dynamic panel models for the analysis of construction safety claims. Lastly, it describes the use of mathematical and econometric models to investigate construction practitioners' safety.