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	Titolo	Construction Safety Informatics / / by Rita Yi Man Li
	Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2019
	ISBN	981-13-5761-7
	Edizione	[1st ed. 2019.]
	Descrizione fisica	1 online resource (XII, 144 p. 40 illus., 34 illus. in color.)
	Disciplina	624
	Soggetti	Building—Superintendence
		Construction industry—Management
		Building - Superintendence
		Artificial intelligence
		Quality control
		Reliability
		Industrial safety
		Risk management
		Construction Management
		Artificial Intelligence
		Quality Control, Reliability, Safety and Risk
		Risk Management
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	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.