

1. Record Nr.	UNINA9910367737703321
Autore	Korolev Victor
Titolo	Stochastic Processes: Theory and Applications
Pubbl/distr/stampa	MDPI - Multidisciplinary Digital Publishing Institute, 2019
ISBN	3-03921-963-4
Descrizione fisica	1 online resource (216 p.)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>The aim of this special issue is to publish original research papers that cover recent advances in the theory and application of stochastic processes. There is especial focus on applications of stochastic processes as models of dynamic phenomena in various research areas, such as queuing theory, physics, biology, economics, medicine, reliability theory, and financial mathematics. Potential topics include, but are not limited to: Markov chains and processes; large deviations and limit theorems; random motions; stochastic biological model; reliability, availability, maintenance, inspection; queueing models; queueing network models; computational methods for stochastic models; applications to risk theory, insurance and mathematical finance.</p>

2. Record Nr.	UNINA9910254253403321
Autore	Vamanu Bogdan I
Titolo	Critical Infrastructures: Risk and Vulnerability Assessment in Transportation of Dangerous Goods : Transportation by Road and Rail / / by Bogdan I. Vamanu, Adrian V. Gheorghe, Polinapilinho F. Katina
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-30931-5
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (224 p.)
Collana	Topics in Safety, Risk, Reliability and Quality, , 1566-0443 ; ; 31
Disciplina	629.042
Soggetti	Chemistry Quality control Reliability Industrial safety Transportation Environmental sciences Software engineering Geographic information systems Safety in Chemistry, Dangerous Goods Quality Control, Reliability, Safety and Risk Environmental Physics Software Engineering/Programming and Operating Systems Geographical Information Systems/Cartography
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	From the Contents: Introduction -- Risk Assessment in Hazardous Material Transportation -- Risk Assessment -- Quantitative Probability Assessment of LOC Accident -- Vulnerability Assessment in Hazardous Materials Transportation -- The Vulnerability Issue.
Sommario/riassunto	This book addresses a key issue in today's society: the safer transport of dangerous goods, taking into account people, the environment and economics. In particular, it offers a potential approach to identifying

the issues, developing the models, providing the methods and recommending the tools to address the risks and vulnerabilities involved. We believe this can only be achieved by assessing those risks in a comprehensive, quantifiable and integrated manner. Examining both rail and road transportation, the book is divided into three sections, covering: the mature and accepted (by both academia and practitioners) methodology of risk assessment; the vulnerability assessment – a novel approach proposed as a vital complement to risk; guidance and support to build the tools that make methods and equations to yield: the Decision Support Systems. Throughout the book, the authors do not endeavor to provide THE solution. Instead, the book offers insightful food for thought for students, researchers, practitioners and policymakers alike.
