

1. Record Nr.	UNINA9910809673603321
Autore	Bandyopadhyay Susmita
Titolo	Discrete and continuous simulation : theory and practice // Susmita Bandyopadhyay, Ranjan Bhattacharya
Pubbl/distr/stampa	Boca Raton : , : Taylor & Francis, , [2014] ©2014
ISBN	0-429-07347-X 1-4665-9639-2
Descrizione fisica	1 online resource (372 p.)
Disciplina	003.3 003/.3
Soggetti	Computer simulation
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.
Nota di contenuto	Front Cover; Contents; List of Figures; List of Tables; Preface; Chapter 1: Introduction to Simulation; Chapter 2: Monte Carlo Simulation; Chapter 3: Introduction to Probability Theory; Chapter 4: Probability Distributions; Chapter 5: Introduction to Random Number Generators; Chapter 6: Random Variate Generation; Chapter 7: Steady-State Behavior of Stochastic Processes; Chapter 8: Statistical Analysis of Steady-State Parameters; Chapter 9: Computer Simulation; Chapter 10: Manufacturing Simulation; Chapter 11: Manufacturing and Supply Chain Simulation Packages Chapter 12: Supply Chain Simulation Chapter 13: Simulation in Various Disciplines; Chapter 14: Simulation of Complex Systems; Chapter 15: Simulation with Cellular Automata; Chapter 16: Agent-Based Simulation; Chapter 17: Continuous System Simulation; Chapter 18: Introduction to Simulation Optimization; Chapter 19: Algorithms for Simulation Optimization; Chapter 20: Simulation with System Dynamics; Chapter 21: Simulation Software; Chapter 22: Future Trends in Simulation; Back Cover
Sommario/riassunto	When it comes to discovering glitches inherent in complex systems-be it a railway or banking, chemical production, medical, manufacturing, or inventory control system-developing a simulation of a system can

identify problems with less time, effort, and disruption than it would take to employ the original. Advantageous to both academic and industrial practitioners, Discrete and Continuous Simulation: Theory and Practice offers a detailed view of simulation that is useful in several fields of study. This text concentrates on the simulation of complex systems, cov

---