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Descrizione fisica	1 online resource (275 p.)
Altri autori (Persone)	SokolowskiJohn A. <1953-> BanksCatherine M. <1960->
Disciplina	003
Soggetti	Mathematical models Simulation methods Interdisciplinary research
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Principles of Modeling and Simulation; Contents; Preface; Contributors; Part One Principles of Modeling and Simulation: A Multidisciplinary Approach; 1. What Is Modeling and Simulation?; 2. The Role of Modeling and Simulation; Part Two Theoretical Underpinnings; 3. Simulation: Models That Vary over Time; 4. Queue Modeling and Simulation; 5. Human Interaction with Simulations; 6. Verification and Validation; Part Three Practical Domains; 7. Uses of Simulation; 8. Modeling and Simulation: Real-World Examples; 9. The Future of Simulation; Index
Sommario/riassunto	Explores wide-ranging applications of modeling and simulation techniques that allow readers to conduct research and ask ""What if?""

Principles of Modeling and Simulation: A Multidisciplinary Approach is the first book to provide an introduction to modeling and simulation techniques across diverse areas of study. Numerous researchers from the fields of social science, engineering, computer science, and business have collaborated on this work to explore the multifaceted uses of computational modeling while illustrating their applications in common spreadsheets. The book is organized

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