

1. Record Nr.	UNINA9910876579703321
Titolo	Network modeling and simulation : a practical perspective // M. Guizani ... [et al.]
Pubbl/distr/stampa	Chichester, West Sussex, U.K. ; ; Hoboken, NJ, : Wiley, 2010
ISBN	1-282-49132-6 9786612491320 0-470-51521-X 0-470-51520-1
Descrizione fisica	1 online resource (300 p.)
Altri autori (Persone)	GuizaniMohsen
Disciplina	003/.3
Soggetti	Simulation methods Mathematical models Network analysis (Planning) - Mathematics
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 and index.
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Sommario/riassunto

Network Modeling and Simulation is a practical guide to using modeling and simulation to solve real-life problems. The authors give a comprehensive exposition of the core concepts in modeling and simulation, and then systematically address the many practical considerations faced by developers in modeling complex large-scale systems. The authors provide examples from computer and telecommunication networks and use these to illustrate the process of mapping generic simulation concepts to domain-specific problems in different industries and disciplines. Key features: . Provides the tools and strategies needed to build simulation models from the ground up rather than providing solutions to specific problems.. Includes a new simulation tool, CASiNO built by the authors.. Examines the core concepts of systems simulation and modeling.. Presents code examples to illustrate the implementation process of commonly encountered simulation tasks.. Offers examples of industry-standard modeling methodology that can be applied in steps to tackle any modeling problem in practice.
