1. Record Nr. UNINA9910807813603321

Autore	Delorme Bruno (Engineer)
Titolo	Antennas and site engineering for mobile radio networks / / Bruno Delorme
Pubbl/distr/stampa	Boston : , : Artech House, , [2013] [Piscataqay, New Jersey] : , : IEEE Xplore, , [2013]
ISBN	1-5231-1696-X 1-60807-704-7
Descrizione fisica	1 online resource (301 p.)
Collana	Mobile communications series
Disciplina	621.384135
Soggetti	Radio - Antennas Radio - Antennas - Design and construction
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	Antennas and Site Engineering for Mobile Radio Networks; Contents; Foreword; Preface; Conventions; Part I: Antennas in Mobile Radio Networks; 1 Fundamentals of Antennas; 1.1 Antenna History; 1.1.1 Maxwell Theory and Hertz Radiating System; 1.1.2 Antenna Discovery; 1.2 How an Antenna Radiates; 1.3 Vertical Half-Wave Dipole Radiation Through Maxwell Equations; 1.3.1 Electromagnetic Wave Velocity; 1.3.2 Relationship between the Electric Field and the Magnetic Field; 1.3.3 Electric and Magnetic Power of the Electromagnetic Wave: Poynting Vector. 1.4 Wave Surface, Spherical Wave, Plane Wave, and Wave Polarization1. 4.1 Wave Surface; 1.4.2 Spherical Wave; 1.4.3 Plane Wave; 1.4.4 Wave Polarization; 1.5 Electric Field Power Loss between an Antenna Transmitter and an Antenna Receiver in Free Space; 1.6 Antenna Parameters; 1.6.1 Antenna Polarization; 1.6.2 Antenna Radiation Patterns; 1.6.3 Antenna Gain; 1.6.4 Aperture Angle; 1.6.5 Bandwidth.
Sommario/riassunto	Published in 2012 exclusively in France, this English translation of Antennas and Site Engineering for Mobile Radio Networks is the first book to discuss the specific antennas used in both commercial (2G, 3G, 4G) and private mobile radio (PMR) networks. These are the antennas located on pylons in rural areas and tubular masts on rooftops in urban

areas. This book presents essential information for engineers, managers, and technicians working for mobile phone equipment manufacturers, network integrators, and antenna installation companies. This resource is divided into three sections: the first

2. Record Nr. UNINA9910877144903321

Autore	Sokolowski John A. <1953->
Titolo	Modeling and simulation for analyzing global events / / John A. Sokolowski, Catherine M. Banks
Pubbl/distr/stampa	Hoboken, NJ, : Wiley, c2009
ISBN	1-282-23708-X 9786612237089 0-470-48699-6 0-470-48698-8
Descrizione fisica	1 online resource (221 p.)
Altri autori (Persone)	BanksCatherine M. <1960->
Disciplina	001.4
Soggetti	Event history analysis Event history analysis - Computer simulation History - Mathematical models Social sciences - Mathematical models
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.
Nota di contenuto	MODELING AND SIMULATION FOR ANALYZING GLOBAL EVENTS; CONTENTS; Preface; I PRINCIPLES OF MODELING AND SIMULATION: ADVANCING GLOBAL STUDIES; 1 Modeling and Simulation: What, When, and Why; Introduction; An Overview of Modeling and Simulation; A Brief History of Modeling and Simulation; Why Use Modeling and Simulation; Conclusions; Key Terms; References; Further Reading; 2 Research Methodologies for Modeling Global Events; Introduction; Global Events and the Social Sciences; Qualitative and Quantitative Research; Modeling and Simulation of Global Events; Mapping Data: A Suggested Methodology Model ValidationConclusions; Key Terms; References; II MODELING

PARADIGMS; 3 System Dynamics; Introduction; Dynamic System Behavior; Building Blocks of System Dynamics Models; Conclusions; Key Terms; References; 4 Agent-Based Modeling and Social Networks; Introduction; Agent-Based Models: Description and Definition; Social Networks; Building an Agent-Based Model; Conclusions; Key Terms; References; 5 Game Theory; Introduction; Fundamentals of Game Theory; Types of Games; Conclusions; Key Terms; References; III MODELING GLOBAL EVENTS; 6 Case Study: Colombia-A Country Study of Insurgency
IntroductionDeveloping the Research Question and Methodology; Background: Qualitative Research; Mapping Qualitative to Quantitative; System Dynamics; Responding to the Research Question; Key Terms; References; Case Study Bibliography; 7 Case Study: The Polish Solidarity Movement-Laying the Foundation for the Collapse of Soviet Communism; Introduction; Developing the Research Question and Methodology; Background: Qualitative Research; Measuring Agents and Environments: Stimuli and Actions; Modeling Human Behavior with Agents; Responding to the Research Question; Conclusions; Key Terms ReferencesCase Study Bibliography; 8 Case Study: Vietnam-Johnson's War, 1963-1965; Introduction; Developing the Research Question and Methodology; Background: Qualitative Research; Analyzing the Social Network Structures; Social Network Aspects of Human Behavior Modeling; Agent-Based Model Development; Responding to the Research Question; Key Terms; References; Case Study Bibliography; 9 Case Study: Cuban Missile Crisis-A National Security Emergency; Introduction; Developing the Research Question and Methodology; Background: Qualitative Research; Evaluating Behaviors; Game Theory Responding to the Research QuestionKey Terms; References; Case Study Bibliography; Index

Sommario/riassunto

one-of-a-kind introduction to the theory and application of modeling and simulation techniques in the realm of international studies
Modeling and Simulation for Analyzing Global Events provides an orientation to the theory and application of modeling and simulation techniques in social science disciplines. This book guides readers in developing quantitative and numeric representations of real-world events based on qualitative analysis. With an emphasis on gathering and mapping empirical data, the authors detail the steps needed for accurately analyzing global events and outline