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Titolo	Modeling and visualization of complex systems and enterprises : explorations of physical, human, economic, and social phenomena / / William B. Rouse
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ISBN	1-118-95964-7 1-118-95963-9 1-118-98274-6
Edizione	[1st edition]
Descrizione fisica	1 online resource (294 p.)
Collana	Stevens Institute Series on Complex Systems and Enterprises
Disciplina	003
Soggetti	System theory - Mathematical models System analysis System theory - Philosophy
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	Cover; Title Page; Copyright; Contents; Preface; Chapter 1 Introduction and Overview; Systems Perspectives; Systems Movement; Philosophical Background; Seminal Concepts - Systems Science; Seminal Concepts - Economics/Cognition; Seminal Concepts - Operations Research; Seminal Concepts - Sociology; Complexity and Complex Systems; Complex Versus Complicated Systems; Systems Practice; Phenomena as the Starting Point; Overview of Book; Chapter 1: Introduction and Overview; Chapter 2: Overall Methodology; Chapter 3: Perspectives on Phenomena; Chapter 4: Physical Phenomena; Chapter 5: Human Phenomena Chapter 6: Economic Phenomena Chapter 7: Social Phenomena; Chapter 8: Visualization of Phenomena; Chapter 9: Computational Methods and Tools; Chapter 10: Perspectives on Problem Solving; References; Chapter 2 Overall Methodology; Introduction; Problem Archetypes; Detering or Identifying Counterfeit Parts; Financial Systems and Bursting Bubbles; Human Responses and Urban Resilience; Traffic

Control via Congestion Pricing; Impacts of Investments in Healthcare Delivery; Human Biology and Cancer; Comparison of Problems; Methodology; Summary; An Example; Supporting the Methodology; Conclusions
References Chapter 3 Perspectives on Phenomena; Introduction; Definitions; Historical Perspectives; Steam to Steamboats; Wind to Wings; Electricity to Electric Lights; Macro and Micro Physics; Probability and Utility; Contemporary Perspectives; Four Fundamental Forces; Computational Fluid Dynamics; Integrated Circuit Design; Supply Chain Management; Summary; Taxonomy of Phenomena; Behavioral and Social Systems; Problems versus Phenomena; Visualizing Phenomena; Conclusions; References; Chapter 4 Physical Phenomena; Introduction; Natural Phenomena; Example - Human Biology
Example - Urban Oceanography Designed Phenomena; Example - Vehicle Powertrain; Example - Manufacturing Processes; Detering or Identifying Counterfeit Parts; Conclusions; References; Chapter 5 Human Phenomena; Descriptive Versus Prescriptive Approaches; Models of Human Behavior and Performance; Example - Manual Control; Example - Problem Solving; Example - Multitask Decision Making; Traffic Control Via Congestion Pricing; Mental Models; Team Mental Models; Performing Arts Teams; Fundamental Limits; Conclusions; References; Chapter 6 Economic Phenomena; Introduction; Microeconomics
Theory of the Firm Theory of the Market; Example - Optimal Pricing; Example - Investing in People; Summary; Macroeconomics; Tax Rates, Interest Rates, and Inflation; Macroeconomic Models; Summary; Behavioral Economics; Prospect Theory; Risk Perception; Attribution Errors; Management Decision Making; Human Intuition; Intuition versus Analysis; Summary; Economics of Healthcare Delivery; Conclusions; References; Chapter 7 Social Phenomena; Introduction; Emergent versus Designed Organizational Phenomena; Direct versus Representative Political Phenomena; Modeling Complex Social Systems
Example - Earth as a System

Sommario/riassunto

Explains multi-level models of enterprise systems and covers modeling methodology This book addresses the essential phenomena underlying the overall behaviors of complex systems and enterprises. Understanding these phenomena can enable improving these systems. These phenomena range from physical, behavioral, and organizational, to economic and social, all of which involve significant human components. Specific phenomena of interest and how they are represented depend on the questions of interest and the relevant domains or contexts. Modeling and Visualization of Complex Systems

2. Record Nr.	UNINA9910838247203321
Titolo	Understanding Global Migration [[electronic resource (book)] /] / edited by James F. Hollifield and Neil Foley
Pubbl/distr/stampa	Stanford, CA : , : Stanford University Press, , [2022] ©2022
ISBN	1-5036-2958-9
Descrizione fisica	1 online resource (520 p.)
Classificazione	MF 9250
Disciplina	325
Soggetti	Emigration and immigration - Economic aspects Emigration and immigration - Government policy Emigration and immigration - Political aspects Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Migration interdependence and the State / James F. Hollifield and Neil Foley (SMU) -- The Southern Africa migration system / Audie Klotz (Syracuse) -- Illiberal migration governance in the Arab Gulf / Helene Thiollet (CERI/Sciences Po, Paris) -- The illiberal paradox and the politics of migration in the Middle East / Gerasimos Tsourapas (University of Birmingham) -- Migration and development in North and West Africa / Yves Charbit (University of Paris, CEPED) -- The developmental migration state in East Asia / Erin Aeran Chung (Johns Hopkins) -- International migration and development in Southeast Asia : 1990 to 2010 / Charles Hirschman (University of Washington) -- The Indian migration state / Kamal Sadiq (University of California, Irvine) -- The development of the U.S. migration state : nativism, liberalism, and durable structures of exclusion / Daniel Tichenor (University of Oregon) -- Who belongs? : politics of immigration, nativism, and illiberal democracy in the United States / Neil Foley (SMU) -- Canada, the quintessential migration state? / Phil Triadafilopoulos (University of Toronto), Zack Taylor (Western University) -- Migration and economic development : North American experience / Philip L. Martin (University of California, Davis) -- International migration and refugee movements

in Latin America / Miryam Hazan (SMU Tower Center) -- The migration state in South America / Charles P. Gomes (Fundacao Casa de Rui Barbosa) -- Migration governance in Turkey / Fiona Adamson (SOAS, University of London) -- Beyond the migration state : Western Europe since World War II / Leo Lucassen (University of Leiden) -- Migration and the liberal paradox in Europe / James F. Hollifield (SMU) -- How immigrants fare in European labor markets / Peter Bevelander (University of Malmo) -- The European Union : shaping migration governance in Europe and beyond / Andrew Geddes (European University Institute).

Sommario/riassunto

Understanding Global Migration offers scholars a groundbreaking account of emerging migration states around the globe, especially in the Global South. Leading scholars of migration have collaborated to provide a birds-eye view of migration interdependence. Understanding Global Migration proposes a new typology of migration states, identifying multiple ideal types beyond the classical liberal type. Much of the world's migration has been to countries in Asia, Africa, the Middle East, and South America. The authors assembled here account for diverse histories of colonialism, development, and identity in shaping migration policy. This book provides a truly global look at the dilemmas of migration governance: Will migration be destabilizing, or will it lead to greater openness and human development? The answer depends on the capacity of states to manage migration, especially their willingness to respect the rights of the ever-growing portion of the world's population that is on the move.
