1.	Record Nr.	UNINA9910141294803321
	Autore	Sokolowski John A. <1953->
	Titolo	Handbook of real-world applications in modeling and simulation [[electronic resource] /] / edited by John A. Sokolowski, Catherine M. Banks
	Pubbl/distr/stampa	Hoboken, N.J., : Wiley, 2012
	ISBN	1-280-68535-2
		9786613662293
		1-118-24126-6
		1-118-24104-5
		1-118-24129-0
	Descrizione fisica	1 online resource (351 p.)
	Collana	Wiley handbooks in operations research and management science
	Classificazione	MAT000000
	Altri autori (Persone)	SokolowskiJohn A. <1953->
		BanksCatherine M. <1960->
	Disciplina	003
	Soggetti	System analysis - Mathematical models
		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 and index.
	Nota di contenuto	Machine generated contents note: Contributors: Preface -- Introduction -- Contemplating a National Strategy for Modeling and Simulation / John A. Sokolowski -- Chapter 1. Modeling and Simulation for Research and Analysis / Catherine M. Banks -- Chapter 2. Human Behavior Modeling: A Real-World Application / John A. Sokolowski -- Chapter 3. Transportation / R. Michael Robinson -- Chapter 4. Homeland Security Risk Modeling / Barry C. Ezell -- Chapter 5. Operations Research /Andrew J. Collins and Christine S. M. Currie -- Chapter 6. Business Process Modeling / Rafael Diaz, Joshua G. Behr, and Mandur Tupule -- Chapter 7. Medical M&S: A Review of Mesh Generation for Medical Simulators / Michele A. Audette, Andrey N. Chernikov, and Nikos Chrisochoides -- Chapter 8. Military Interoperability Challenges / Siakou Diallo and Jose Padilla -- Appendices -- PowerPoint Slides -- Index.
	Sommario/riassunto	"This handbook provides a thorough explanation of modeling and simulation in the most useful, current, and predominant applied areas,

such as transportation, homeland security, medicine, operational research, military science, and business modeling. The authors offer a concise look at the key concepts and techniques of modeling and simulation and then discuss how and why the presented domains have become leading applications. The book begins with an introduction of why modeling and simulation is a reliable analysis assessment tool for complex systems problems and then explains why the selected domains are drawn upon to proffer solutions for these problems"--

2.	Record Nr.	UNINA9910821124203321
	Autore	Karplus Ilan
	Titolo	Symbiosis in fishes : the biology of interspecific partnerships / / Ilan Karplus
	Pubbl/distr/stampa	Chichester, West Sussex : , : John Wiley & Sons, Inc., , 2014
	ISBN	1-118-75976-1
	Descrizione fisica	1 online resource (461 p.)
	Disciplina	577.8/5
	Soggetti	Symbiosis Aquatic animals Fishes Invertebrates
	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 indexes.
	Nota di contenuto	Symbiosis in FishesThe Biology of Interspecific Partnerships; Copyright; Contents; Preface ; Introduction ; One The Associations between Fishes and Luminescent Bacteria; Luminescent Bacteria; Symbiotic Luminescent Bacteria in Fish Light Organs; Flashlight Fishes; Taxonomy and Distribution; The Light Organs; The Eye and the Light Organ; Reproduction, Larval and Light Organ Development; The Photophobic Response; The Use of Light by Flashlight Fishes; School Formation; Territorial Defense; Sexual Signaling; Deep Sea Ceratioid Anglerfishes; Structure, Diversity and Distribution Reproductive StrategiesFacultative Sexual Parasitism; Light Organ Structure and Development: Light and the Mechanisms Controlling its

Emission; The Use of Lures by Anglerfishes; Ponyfishes; Structure, Distribution and Taxonomy; The Light Organ System (LOS) and Diversity of the Generated Light Patterns; Sex-Specific Signaling; Inception of the Association between Luminescent Bacteria and Ponyfishes; Sexual Dimorphism of the LOS, Sex-Specific Signaling and the Role of Sexual Selection in the Evolution of Leiognathid Fishes; Specificity of the Partnerships between Luminescent Bacteria and Fishes Optimization of the Benefits to Fishes from their Association with BacteriaThe Evolution of the Partnerships between Fishes and Luminescent Bacteria; References; TWO The Associations between Fishes and Sponges ; Sponges; Predator Deterrence by Sponges; Multiple Species Assemblages in Sponges; Obligatory Fish Symbionts and Adaptations for Living in Association with Sponges; Nutrition, Reproduction and Sponge Occupation by Obligatory Symbiotic Fishes; Partner Specificity and Sponge Sharing by Obligatory Symbiotic Fishes; Evolution of the Partnership Between Obligatory Fish Symbionts and Sponges

Sponges as Living Incubators of Fish EggsFacultative Partnerships Between Fishes and Sponges; References; THREEThe Associations between Fishes and Anthozoans ; Sea Anemones; The Stinging Cells and their Release Mechanism; Obligatory Associations with Sea Anemones of Fishes of the Genera Amphiprion and Premnas ; The Taxonomy, Distribution and Ecology of Host Sea Anemones and their Associated Fishes; The Protection of Anemone Fishes from Sea Anemones; Recognition, Attraction to and Selection of Sea Anemones by Anemone Fishes; Partner Specificity; Host Preference; Competitive Interactions

Stochastic ProcessesHabitat Preference; Geographical Overlap; Protection from Sea Anemones; Species Coexistence; Adaptations of Anemone Fishes for Living with Sea Anemones; Protandric Sex Reversal; Monogamy and Mate Recognition; Step-fathering; Social Control of Growth and the Tolerance ofNonbreeders by the Breeders; Fish Territoriality, Aggressionand the Sea Anemone; Limited Larval Dispersal and NatalRecruitment; Benefits and Costs to Anemone Fishes and Sea Anemones from being Associated and their Short-term Mutual Impacts; The Evolution of the Anemone Fish-Sea Anemone Partnership The Facultative Associations Between Fishes and Sea Anemones

| Sommario/riassunto | Symbiosis in Fishes provides comprehensive coverage of the biology of partnerships between fishes and invertebrates, ascending the phylogenetic scale, from luminescent bacteria, sponges and coelenterates to molluscs, crustaceans and echinoderms. Both facultative and obligatory partnerships are reviewed with emphasis on the behavioral, ecological and evolutionary aspects of fish symbiosis. Each of the eight chapters of this book focuses on a different group of partners. The structure, physiology and anti-predatory strategies of each group are described to provide the necessary backgro |

3. Record Nr.	UNINA9910828503703321
Titolo	Lie algebras and related topics : proceedings of a research conference held May 22-June 1, 1988, with support from the National Science Foundation / / Georgia Benkart and J. Marshall Osborn, editors
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [1990] ©1990
ISBN	0-8218-7698-8
	0-8218-5443-7
Descrizione fisica	1 online resource (352 p.)
Collana	Contemporary mathematics, , 0271-4132 ; ; 110
Disciplina	512/.5
Soggetti	Lie algebras
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"The Conference on Lie Algebras and Related Topics was held at the University of Wisconsin, Madison on May 22-June 1, 1988"--T.p. verso.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""The 785 conjugacy classes of rational elements of finite order in E8""""The primitives of the continuous linear dual of a Hopf algebra as the dual Lie algebra of a Lie coalgebra""; ""On irreducible highest weight representations of some affine Lie algebras""; ""Hyperalgebras, highest weight categories and finite dimensional algebras""; ""Extensions of representations of semisimple Lie algebras""; ""Enveloping algebras and division rings for Lie p-algebras""; ""Serre relations""; ""The number of irreducible representations of a finite coxeter group"" ""The role of p-envelopes in the theory of modular Lie algebras""""On modular subalgebras in Lie algebras of prime characteristic""; ""Cocompact subgroups of semisimple Lie groups""