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Titolo	Networks, models and applications [[electronic resource] /] / edited by Isidore Rigoutsos & Gregory Stephanopoulos
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ISBN	0-19-770210-4 1-280-84622-4 0-19-534578-9 1-4294-5929-8
Descrizione fisica	1 online resource (360 p.)
Collana	Series in systems biology Systems biology ; ; 2
Altri autori (Persone)	RigoutsosIsidore StephanopoulosG
Disciplina	570
Soggetti	Computational biology Genomics Bioinformatics
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	Contents; Contributors; Systems Biology: A Perspective; 1 Mass Spectrometry in Systems Biology; 2 Mathematical Modeling and Optimization Methods for De Novo Protein Design; 3 Molecular Simulation and Systems Biology; 4 Global Gene Expression Assays: Quantitative Noise Analysis; 5 Mapping the Genotype-Phenotype Relationship in Cellular Signaling Networks: Building Bridges Over the Unknown; 6 Integrating Innate Immunity into a Global "Systems" Context: The Complement Paradigm Shift 7 Systems Biotechnology: Combined in Silico and Omics Analyses for the Improvement of Microorganisms for Industrial Applications 8 Genome-Scale Models of Metabolic and Regulatory Networks; 9 Biophysical Models of the Cardiovascular System; 10 Embryonic Stem Cells as a Module for Systems Biology; Index
Sommario/riassunto	1. Mass Spectrometry in Systems Biology 3, Cristian I. Ruse & John R. Yates III. 2. Mathematical Modeling and Optimization Methods for De Novo Protein Design 42, C. A. Floudas & H. K. Fung. 3. Molecular

Simulation and Systems Biology 67, William C. Swope, Jed W. Pitera, & Robert S. Germain. 4. Global Gene Expression Assays: Quantitative Noise Analysis 103, G. A. Held, Gustavo Stolovitzky, & Yuhai Tu. 5. Mapping the Genotype-Phenotype Relationship in Cellular Signaling Networks: Building Bridges Over the Unknown 137, Jason A. Papin, Erwin P. Gianchandani, & Shankar Subramaniam. 6. Integrating I

2. Record Nr.	UNINA9911019510503321
Autore	Montrose Mark I
Titolo	Testing for EMC compliance : approaches and techniques / / Mark I. Montrose, Edward M. Nakauchi
Pubbl/distr/stampa	Hoboken, NJ, : John Wiley, 2004
ISBN	9786610367993 9781280367991 1280367997 9780470248744 0470248742 9780471644682 0471644684 9780471644651 047164465X
Descrizione fisica	1 online resource (480 p.)
Altri autori (Persone)	NakauchiEdward M
Disciplina	621.382/24
Soggetti	Electromagnetic compatibility Electromagnetic interference
Lingua di pubblicazione	Inglese
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Nota di contenuto	1. Introduction. -- 2. Electric, Magnetic, and Static Fields. -- 3. Instrumentation. -- 4. Test Facilities. -- 5. Probes, Antennas, and Support Equipment. -- 6. Conducted Testing. -- 7. Radiated Testing. -- 8. General Approaches Troubleshooting. -- 9. On-Site Troubleshooting Techniques. -- Appendix A: Building Probes. -- Appendix B: Test Procedures. -- Glossary. -- Bibliography. -- Index. --

Sommario/riassunto

The Keep It Simple (KISS) philosophy is the primary focus of this book. It is written in very simple language with minimal math, as a compilation of helpful EMI troubleshooting hints. Its light-hearted tone is at odds with the extreme seriousness of most engineering reference works that become boring after a few pages. This text tells engineers what to do and how to do it. Only a basic knowledge of math, electronics, and a basic understanding of EMI/EMC are necessary to understand the concepts and circuits described. Once EMC troubleshooting is demystified, readers learn there are quick and simple techniques to solve complicated problems a key aspect of this book. Simple and inexpensive methods to resolve EMI issues are discussed to help generate unique ideas and methods for developing additional diagnostic tools and measurement procedures. An appendix on how to build probes is included. It can be a fun activity, even humorous at times with bizarre techniques (i.e., the sticky finger probe).
