1. Record Nr. UNINA9910557354803321

Autore	Jovic Alan
Titolo	Intelligent Biosignal Analysis Methods
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2021
Descrizione fisica	1 online resource (256 p.)
Soggetti	Information technology industries
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This book describes recent efforts in improving intelligent systems for automatic biosignal analysis. It focuses on machine learning and deep learning methods used for classification of different organism states and disorders based on biomedical signals such as EEG, ECG, HRV, and others.

2. Record Nr. UNINA9910483490403321

Autore	Degano Pierpaolo
Titolo	Computational Methods in Systems Biology : 7th International Conference, CMSB 2009 / / edited by Pierpaolo Degano, Roberto Gorrieri
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2009
ISBN	3-642-03845-X
Edizione	[1st ed. 2009.]
Descrizione fisica	1 online resource (X, 329 p.)
Collana	Lecture Notes in Bioinformatics, , 2366-6331 ; ; 5688
Classificazione	BIO 110f SS 4800
Altri autori (Persone)	GorrieriRoberto
Disciplina	570
Soggetti	Life sciences Computer science Bioinformatics Computer simulation Numerical analysis Life Sciences Theory of Computation Computational and Systems Biology Computer Modelling Numerical Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Prediction of Protein-Protein Interacting Sites: How to Bridge Molecular Events to Large Scale Protein Interaction Networks -- The Equivalence between Biology and Computation -- BlenX4Bio – BlenX for Biologists -- Modelling Biological Clocks with Bio-PEPA: Stochasticity and Robustness for the Neurospora crassa Circadian Network -- Quantitative Pathway Logic for Computational Biology -- A Prize-Collecting Steiner Tree Approach for Transduction Network Inference -- Formal Analysis of the Genetic Toggle -- Control Strategies for the Regulation of the Eukaryotic Heat Shock Response -- Computing Reachable States for Nonlinear Biological Models -- On Coupling Models Using Model-Checking: Effects of Irinotecan Injections on the

Mammalian Cell Cycle -- The ?-Lattice: Decidability Boundaries for Qualitative Analysis in Biological Languages -- Approximation of Event Probabilities in Noisy Cellular Processes -- Equivalence and Discretisation in Bio-PEPA -- Improved Parameter Estimation for Completely Observed Ordinary Differential Equations with Application to Biological Systems -- A Bayesian Approach to Model Checking Biological Systems -- Dynamic Compartments in the Imperative ?-Calculus -- Probabilistic Approximations of Signaling Pathway Dynamics -- A Reduction of Logical Regulatory Graphs Preserving Essential Dynamical Properties -- On the Use of Stochastic Petri Nets in the Analysis of Signal Transduction Pathways for Angiogenesis Process -- CSL Model Checking of Biochemical Networks with Interval Decision Diagrams -- Qualitative Transition Systems for the Abstraction and Comparison of Transient Behavior in Parametrized Dynamic Models.

Sommario/riassunto

This book constitutes the refereed proceedings of the 7th International Conference on Computational Methods in Systems Biology, CMSB 2009, held in Bologna, Italy, August 31 - September 1, 2009. The 18 revised full papers presented together with the summaries of 3 invited papers were carefully reviewed and selected from more than 45 submissions. The papers cover theoretical or applied contributions that are motivated by a biological question focusing on modeling approaches, including process algebra, simulation approaches, analysis methods, in particular model checking and flux analysis, and case studies.