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Titolo	Biological and Medical Data Analysis [[electronic resource]] : 6th International Symposium, ISBMDA 2005, Aveiro, Portugal, November 10-11, 2005, Proceedings // edited by José Luis Oliveira, Víctor Maojo, Fernando Martin-Sanchez, António Sousa Pereira
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Descrizione fisica	1 online resource (XII, 402 p.)
Collana	Lecture Notes in Bioinformatics ; ; 3745
Disciplina	570/.285
Soggetti	Medicine Database management Artificial intelligence Information storage and retrieval Mathematical statistics Bioinformatics Biomedicine, general Database Management Artificial Intelligence Information Storage and Retrieval Probability and Statistics in Computer Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Medical Databases and Information Systems -- Application of Three-Level Handprinted Documents Recognition in Medical Information Systems -- Data Management and Visualization Issues in a Fully Digital Echocardiography Laboratory -- A Framework Based on Web Services and Grid Technologies for Medical Image Registration -- Biomedical Image Processing Integration Through INBIOMED: A Web Services-Based Platform -- The Ontological Lens: Zooming in and out from Genomic to Clinical Level -- Data Analysis and Image Processing -- Dynamics of Vertebral Column Observed by Stereovision and Recurrent Neural Network Model -- Endocardial Tracking in Contrast Echocardiography

Using Optical Flow -- Unfolding of Virtual Endoscopy Using Ray-Template -- Knowledge Discovery and Data Mining -- Integration of Genetic and Medical Information Through a Web Crawler System -- Vertical Integration of Bioinformatics Tools and Information Processing on Analysis Outcome -- A Grid Infrastructure for Text Mining of Full Text Articles and Creation of a Knowledge Base of Gene Relations -- Prediction of the Performance of Human Liver Cell Bioreactors by Donor Organ Data -- A Bioinformatic Approach to Epigenetic Susceptibility in Non-disjunctional Diseases -- Foreseeing Promising Bio-medical Findings for Effective Applications of Data Mining -- Statistical Methods and Tools for Biomedical Data Analysis -- Hybridizing Sparse Component Analysis with Genetic Algorithms for Blind Source Separation -- Hardware Approach to the Artificial Hand Control Algorithm Realization -- Improving the Therapeutic Performance of a Medical Bayesian Network Using Noisy Threshold Models -- SVM Detection of Premature Ectopic Excitations Based on Modified PCA -- Decision Support Systems -- A Text Corpora-Based Estimation of the Familiarity of Health Terminology -- On Sample Size and Classification Accuracy: A Performance Comparison -- Influenza Forecast: Comparison of Case-Based Reasoning and Statistical Methods -- Tumor Classification from Gene Expression Data: A Coding-Based Multiclass Learning Approach -- Boosted Decision Trees for Diagnosis Type of Hypertension -- Markov Chains Pattern Recognition Approach Applied to the Medical Diagnosis Tasks -- Computer-Aided Sequential Diagnosis Using Fuzzy Relations -- Comparative Analysis of Methods -- Collaborative Systems in Biomedical Informatics -- Service Oriented Architecture for Biomedical Collaborative Research -- Simultaneous Scheduling of Replication and Computation for Bioinformatic Applications on the Grid -- The INFOBIOMED Network of Excellence: Developments for Facilitating Training and Mobility -- Bioinformatics: Computational Models -- Using Treemaps to Visualize Phylogenetic Trees -- An Ontological Approach to Represent Molecular Structure Information -- Focal Activity in Simulated LQT2 Models at Rapid Ventricular Pacing: Analysis of Cardiac Electrical Activity Using Grid-Based Computation -- Bioinformatics: Structural Analysis -- Extracting Molecular Diversity Between Populations Through Sequence Alignments -- Detection of Hydrophobic Clusters in Molecular Dynamics Protein Unfolding Simulations Using Association Rules -- Protein Secondary Structure Classifiers Fusion Using OWA -- Efficient Computation of Fitness Function by Pruning in Hydrophobic-Hydrophilic Model -- Evaluation of Fuzzy Measures in Profile Hidden Markov Models for Protein Sequences -- Bioinformatics: Microarray Data Analysis -- Relevance, Redundancy and Differential Prioritization in Feature Selection for Multiclass Gene Expression Data -- Gene Selection and Classification of Human Lymphoma from Microarray Data -- Microarray Data Analysis and Management in Colorectal Cancer.
