

Advances in Soft Computing

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Preface

The success of Bioinformatics in recent years has been prompted by research in molecular biology and medicine in initiatives like the human genome project. The volume and diversification of data has increased so much that it is very hard if not impossible to analyze it by human experts.

The analysis of this growing body of data, intensified by the development of a number of high-throughput experimental techniques that are generating the so called 'omics' data, has prompted for new computational methods. New global approaches, such as Systems Biology, have been emerging replacing the reductionist view that dominated biology research in the last decades, requiring the coordinated efforts of biological researchers with those related to data analysis, mathematical modelling and computer science. Computational methods have been helping in tasks related to knowledge discovery, modelling and optimization tasks.

This workshop brings the opportunity to discuss applications of Bioinformatics and Computational Biology exploring the interactions between computer scientists, biologists and other scientific researchers. The IWPACBB technical program includes 29 papers (23 long papers and 6 short papers) selected from a submission pool of 51 papers, from 9 different countries.

We thank the excellent work of the local organization members and also from the members of the Program Committee for their excellent reviewing work.

October 2008

Juan M. Corchado
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Contents

Applications

Comparing Time Series through Event Clustering <i>Juan A. Lara, Aurora Pérez, Juan P. Valente, África López-Illescas</i>	1
Visual Knowledge-Based Metaphors to Support the Analysis of Polysomnographic Recordings <i>Abraham Otero, Paulo Félix, Carlos Zamarrón</i>	10
A Bio-inspired Proposal for Focus Attention While Preserving Information <i>O. Bolívar Toledo, J.C. Quevedo Losada, J.A. Muñoz Blanco</i>	21
Modelling Fed-Batch Fermentation Processes: An Approach Based on Artificial Neural Networks <i>Eduardo Valente, Isabel Rocha, Miguel Rocha</i>	30

Treatment and Diagnosis

New Principles and Adequate Control Methods for Insulin Dosage in Case of Diabetes <i>Levente Kovács</i>	40
A Framework for CBR Development and Experimentation with Application to Medical Diagnosis <i>Beatriz López, Pablo Gay, Albert Pla, Carles Pous</i>	45
Identification of Relevant Knowledge for Characterizing the Melanoma Domain <i>Ruben Nicolas, Elisabet Golobardes, Albert Fornells, Susana Puig, Cristina Carrera, Josep Malvehy</i>	55

TAT-NIDS: An Immune-Based Anomaly Detection Architecture for Network Intrusion Detection
Mário Antunes, Manuel Correia 60

Genome

Novel Computational Methods for Large Scale Genome Comparison
Todd J. Treangen, Xavier Messeguer 68

Improving Literature Searches in Gene Expression Studies
Joel P. Arrais, João G.L.M. Rodrigues, José Luis Oliveira 74

Implementing an Interactive Web-Based DAS Client
Bernat Gel, Xavier Messeguer 83

Data Integration Issues in the Reconstruction of the Genome-Scale Metabolic Model of *Zymomonas Mobillis*
José P. Pinto, Oscar Dias, Anália Lourenço, Sónia Carneiro, Eugénio C. Ferreira, Isabel Rocha, Miguel Rocha 92

Microarray 1

Applying CBR Systems to Micro Array Data Classification
Sara Rodríguez, Juan F. De Paz, Javier Bajo, Juan M. Corchado 102

Multiple-Microarray Analysis and Internet Gathering Information with Application for Aiding Medical Diagnosis in Cancer Research
Daniel Glez-Peña, Manuel Glez-Bedia, Fernando Díaz, Florentino Fdez-Riverola 112

Evolutionary Techniques for Hierarchical Clustering Applied to Microarray Data
José A. Castellanos-Garzón, Luis A. Miguel-Quintales 118

Beds and Bits: The Challenge of Translational Bioinformatics
Daniel Glez-Peña, Pablo Vicente Carrera, Gonzalo Gómez López, Carmen M. Redondo Marey 128

Microarray 2

A Matrix Factorization Classifier for Knowledge-Based Microarray Analysis
R. Schachtner, D. Lutter, A.M. Tomé, G. Schmitz, P. Gómez Vilda, E.W. Lang 137

Named Entity Recognition and Normalization: A Domain-Specific Language Approach <i>Miguel Vazquez, Monica Chagoyen, Alberto Pascual-Montano</i>	147
BIORED – A Genetic Algorithm for Pattern Detection in Biosequences <i>Pedro Pereira, Fernando Silva, Nuno A. Fonseca</i>	156
A Recursive Genetic Algorithm to Automatically Select Genes for Cancer Classification <i>Mohd Saberi Mohamad, Sigeru Omatu, Safaai Deris, Michifumi Yoshioka</i>	166
<hr/>	
Proteins and Cells	
<hr/>	
On Mining Protein Unfolding Simulation Data with Inductive Logic Programming <i>Rui Camacho, Alexssander Alves, Cândida G. Silva, Rui M.M. Brito</i>	175
A Knowledge Discovery Method for the Characterization of Protein Unfolding Processes <i>Elisabeth Fernandes, Alípio M. Jorge, Cândida G. Silva, Rui M.M. Brito</i>	180
Design of New Chemoinformatic Tools for the Analysis of Virtual Screening Studies: Application to Tubulin Inhibitors <i>Rafael Peláez, Roberto Therón, Carlos Armando García, José Luis López, Manuel Medarde</i>	189
Multi-Objective Optimization of Biological Networks for Prediction of Intracellular Fluxes <i>José-Oscar H. Sendín, Antonio A. Alonso, Julio R. Banga</i>	197
<hr/>	
Mathematical Models	
<hr/>	
SimSearch: A New Variant of Dynamic Programming Based on Distance Series for Optimal and Near-Optimal Similarity Discovery in Biological Sequences <i>Sérgio A.D. Deusdado, Paulo M.M. Carvalho</i>	206
Tuning Parameters of Evolutionary Algorithms Using ROC Analysis <i>Lino Costa, Ana Cristina Braga, Pedro Oliveira</i>	217
Speeding-Up ACO Implementation by Decreasing the Number of Heuristic Function Evaluations in Feature Selection Problem <i>Yudel Gómez, Rafael Bello, Ann Nowé, Frank Bosmans</i>	223

Global Sensitivity Analysis of a Biochemical Pathway Model <i>Maria Rodriguez-Fernandez, Julio R. Banga</i>	233
Improving a Leaves Automatic Recognition Process Using PCA <i>Jordi Solé-Casals, Carlos M. Travieso, Jesús B. Alonso, Miguel A. Ferrer</i>	243
Author Index	253