Advances in Intelligent Systems and Computing

Volume 299

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International Joint Conference SOCO’14-CISIS’14-ICEUTE’14

Bilbao, Spain, June 25th–27th, 2014, Proceedings
Preface

This volume of Advances in Intelligent and Soft Computing contains accepted papers presented at SOCO 2014, CISIS 2014 and ICEUTE 2014, all conferences held in the beautiful and historic city of Bilbao (Spain), in June 2014.

Soft computing represents a collection or set of computational techniques in machine learning, computer science and some engineering disciplines, which investigate, simulate, and analyse very complex issues and phenomena.

After a thorough peer-review process, the 9th SOCO 2014 International Program Committee selected 31 papers which are published in these conference proceedings, and represents an acceptance rate of 42%. One special session was organized related to relevant topics as: Soft Computing Methods in Manufacturing and Management Systems.

The aim of the 7th CISIS 2014 conference is to offer a meeting opportunity for academic and industry-related researchers belonging to the various, vast communities of Computational Intelligence, Information Security, and Data Mining. The need for intelligent, flexible behaviour by large, complex systems, especially in mission-critical domains, is intended to be the catalyst and the aggregation stimulus for the overall event.

After a thorough peer-review process, the CISIS 2014 International Program Committee selected 23 papers which are published in these conference proceedings achieving an acceptance rate of 35%.

In the case of 5th ICEUTE 2014, the International Program Committee selected 2 papers, which are published in these conference proceedings.

The selection of papers was extremely rigorous in order to maintain the high quality of the conference and we would like to thank the members of the Program Committees for their hard work in the reviewing process. This is a crucial process to the creation of a high standard conference and the SOCO, CISIS and ICEUTE conferences would not exist without their help.

SOCO’14, CISIS’14 and ICEUTE’14 enjoyed outstanding keynote speeches by distinguished guest speakers: Prof. Antonio Bahamonde - University of Oviedo (Spain), and Prof. Davide Balzarotti - Eurecom Graduate School and Research Center (France).
SOCO’14 has teamed up with the Neurocomputing (ELSEVIER), and Journal of Applied Logic (ELSEVIER), journals for a suite of special issues including selected papers from SOCO’14.

For this CISIS’14 special edition, as a follow-up of the conference, we anticipate further publication of selected papers in a special issue of the prestigious Logic Journal of the IGPL Published by Oxford Journals.

Particular thanks go as well to the Conference main Sponsors, IEEE-Sección España, IEEE Systems, Man and Cybernetics-Capítulo Español, AEPIA, Gobierno Vasco, Diputación Foral de Bizkaia, Ayuntamiento de Bilbao, MIR Labs, The International Federation for Computational Logic, who jointly contributed in an active and constructive manner to the success of this initiative. We want also to extend our warm gratitude to all the Special sessions chairs for their continuing support to the SOCO, CISIS and ICEUTE Series of conferences.

We would like to thank all the special session organizers, contributing authors, as well as the members of the Program Committees and the Local Organizing Committee for their hard and highly valuable work. Their work has helped to contribute to the success of the SOCO 2014, CISIS 2014 and ICEUTE 2014 events.

June 2014

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<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benoit Otjacques</td>
<td>Centre de Recherche Public - Gabriel Lippmann, France</td>
</tr>
<tr>
<td>Borja Sanz</td>
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<td>University of Deusto, Spain</td>
</tr>
<tr>
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</tr>
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</tr>
<tr>
<td>Jose Luis Calvo</td>
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</tr>
</tbody>
</table>
Contents

SOCO 2014

General Track

Evolutionary Computation and Optimization

A Strength Pareto Approach and a Novel Formulation in the Reporting Cells Planning ................................................................. 1
Víctor Berrocal-Plaza, Miguel Ángel Vega-Rodríguez, Juan Manuel Sánchez-Pérez

A New Iterative Approach for Finding Nearest Neighbors Using Space-Filling Curves for Fast Graphs Visualization ..................... 11
Tomáš Ježowicz, Petr Gajdoš, Eliška Ochodková, Václav Snášel

Classification via Nearest Prototype Classifier Utilizing Artificial Bee Colony on CUDA ................................................................. 21
Jan Janousešek, Petr Gajdoš, Michal Radecký, Václav Snášel

A Proposal of Good Practice in the Formulation and Comparison of Meta-heuristics for Solving Routing Problems .......................... 31
Eneko Osaba, Roberto Carballedo, Fernando Díaz, Enrique Onieva, Asier Perallos

Soft Computing Metamodels for the Failure Prediction of T-stub Bolted Connections ................................................................. 41
Julio Fernández-Ceniceros, Javier Antoñanzas Torres, Rubén Urraca-Valle, Enrique Sodupe-Ortega, Andrés Sanz-García

An Overall Performance Comparative of GA-PARSIMONY Methodology with Regression Algorithms .............................................. 53
Rubén Urraca-Valle, Enrique Sodupe-Ortega, Javier Antoñanzas Torres, Fernando Antoñanzas-Torres, Francisco Javier Martínez-de-Pisón
Evolutionary Simulation of Complex Networks’ Structures with Specific Functional Properties ......................................................... 63
Victor V. Kashirin, Sergey V. Kovalchuk, Alexander V. Boukhanovsky

Inventory Routing Problem with Stochastic Demand and Lead Time:
State of the Art .............................................................. 73
Raúl Roldán, Rosa Basagoiti, Enrique Onieva

Hybrid Evolutionary Workflow Scheduling Algorithm for Dynamic Heterogeneous Distributed Computational Environment .................. 83
Denis Nasonov, Nikolay Butakov, Marina Balakhontseva, Konstantin Knyazkov, Alexander V. Boukhanovsky

A Bi-objective Harmony Search Approach for Deploying Cost-Effective Multi-hop Communications over Large-Area Wildfires .............. 93
Miren Nekane Bilbao, Javier Del Ser, Sancho Salcedo-Sanz, Sergio Gil-López, José Antonio Portilla-Figueras

Hyperspectral Image Analysis Based on Quad Tree Decomposition .......... 105
Bartosz Krawczyk, Paweł Krzieniewicz, Michał Woźniak

Intelligent Systems

Gaussian Process-Based Inferential Control System .......................... 115
Ali Abusnina, Daniel Kudenko, Rolf Roth

Effect of Initial Conditioning of Reinforcement Learning Agents on Feedback Control Tasks over Continuous State and Action Spaces .......... 125
Borja Fernandez-Gauna, Juan Luis Osa, Manuel Graña

Privacy Protection in Trust Models for Agent Societies ..................... 135
Javier Carbo, Juanita Pedraza, Mar Lopez, José Manuel Molina

Multi-agent Artificial Immune System for Network Intrusion Detection and Classification ............................................................. 145
Amira Sayed A. Aziz, Sanaa El-Ola Hanafi, Aboul Ella Hassanien

Double Randomized Estimation of Russian Blue Chips Based on Imprecise Information ............................................................. 155
Yudaeva Maria, Hovanov Nikolai, Kolesov Dmitrii

Combination of the Finite Element Method and Data Mining Techniques to Design and Optimize Bearings ..................................... 165
Rubén Lostado-Lorza, Rubén Escribano-García, Roberto Fernández-Martínez, Marcos Illera-Cueva, Bryan J. Mac Donald
An Approach of Fuzzy Models for Supplier Assessment and Selection  
Dragan Simić, Vasa Svirčević, Svetlana Simić  

KNN Regression as Geo-Imputation Method for Spatio-Temporal Wind Data  
Jendrik Poloczek, Nils André Treiber, Oliver Kramer  

Applications  

Online Identification of Odometer Parameters of a Mobile Robot  
Can Ulas Dogruer  

Application of AdaSS Ensemble Approach for Prediction of Power Plant Generator Tension  
Konrad Jackowski, Jan Platos  

Application of RBF Neural Network in Sensorless Control of A.C. Drive with Induction Motor  
Pavel Brandstetter, Martin Kuchar, Jiri Friedrich  

Enhancements for a Robust Fuzzy Detection of Stress  
Asier Salazar-Ramirez, Eloy Irigoyen, Raquel Martinez  

Classification and Clustering Methods  

Neural Networks Using Hausdorff Distance, SURF and Fisher Algorithms for Ear Recognition  
Pedro Luis Galdámez, María Angélica González Arrieta, Miguel Ramón Ramón  

A Novel Harmony Search Algorithm for One-Year-Ahead Energy Demand Estimation Using Macroeconomic Variables  
Sancho Salcedo-Sanz, José Antonio Portilla-Figueras, Jesús Muñoz-Bulnes, Javier del Ser, Miren Nekane Bilbao  

Sensitivity Based Feature Selection for Recurrent Neural Network Applied to Forecasting of Heating Gas Consumption  
Martin Macas, Fiorella Lauro, Fabio Moretti, Stefano Pizzuti, Mauro Annunziato, Alessandro Fonti, Gabriele Comodi, Andrea Giantomassi  

Combining Support Vector Machines and Segmentation Algorithms for Efficient Anomaly Detection: A Petroleum Industry Application  
Luis Martí, Nayat Sanchez-Pi, José Manuel Molina, Ana Cristina Bicharra García
Special Session

Soft Computing Methods in Manufacturing and Management Systems

Comparison Analysis of Regression Models Based on Experimental and FEM Simulation Datasets Used to Characterize Electrolytic Tinplate Materials ........................................................ 279
Roberto Fernández-Martínez, Rubén Lostado-Lorza, Marcos Illera-Cueva, Rubén Escribano-García, Bryan J. Mac Donald

Design Method for a Scalable Modular Structure Product Family ........... 289
Yonanda Adhitama and Wolfgang Rosenstiel

Improvement in Manufacturing Welded Products through Multiple Response Surface Methodology and Data Mining Techniques ................. 301
Rubén Escribano-García, Rubén Lostado-Lorza, Roberto Fernández-Martínez, Pedro Villanueva-Roldán, Bryan J. Mac Donald

Logistics Process Modelling in Supply Chain – Algorithm of Coordination in the Supply Chain – Contracting ........................................ 311
Katarzyna Grzybowska and Gábor Kovács

CISIS 2014

General Track

Applications of Intelligent Methods for Security

Detecting Stack Based Kernel Information Leaks ......................... 321
S. Peiró, M. Muñoz, M. Masmano, A. Crespo

A Chain of Attacks and Countermeasures Applied to a Group Key Transfer Protocol ............................................................. 333
Ruxandra F. Olimid

EEG-Based User Authentication Using Artifacts .......................... 343
Tien Pham, Wanli Ma, Dat Tran, Phuoc Nguyen, Dinh Phung

Specifying and Verifying Meta-Security by Means of Semantic Web Methods ................................................................. 355
Joaquín Borrego-Díaz, Antonia M. Chávez-González, José Luis Pro-Martín, Virginia Matos-Arana

Experiments on Trust Prediction Based on Reputation Features .......... 367
J. David Nuñez-Gonzalez and Manuel Graña
Cryptanalytic Results on Knapsack Cryptosystem Using Binary Particle Swarm Optimization ............................................................. 375
Ashish Jain, Narendra S. Chaudhari

Mobile Agent Security Based on Artificial Immune System ................. 385
Zaki Brahmi, Amine Lini, Mohamed Mohsen Gammoudi

Improving the Period and Linear Span of the Sequences Generated by DLFSRs ................................................................. 397
Alberto Peinado, Jorge Munilla, Amparo Fúster-Sabater

Prediction of Sequences Generated by LFSR Using Back Propagation MLP ..................................................................................... 407
Alberto Peinado, Andrés Ortiz

An Efficient Heterogeneous Approach to Building Compressed Automata for Malware Signature Matching ........................................ 413
Ciprian Pungila, Viorel Negru

Mining in Dynamically Composed Scripted 3D Scenes for Better Access Control – Computational Evaluation .................................. 423
Adam Wójtowicz

Evolutionary Cost-Sensitive Ensemble for Malware Detection ............... 433
Bartosz Krawczyk, Michał Woźniak

A Survey on Static Analysis and Model Checking ..................................... 443
Iván García-Ferreira, Carlos Laorden, Igor Santos, Pablo García Bringas

Infrastructure and Network Security

Methodological Security Verification of a Registration Protocol ............... 453
Jesus Díaz, David Arroyo, Francisco B. Rodríguez

Supervised Learning Approaches with Majority Voting for DNS Tunneling Detection ............................................................... 463
Maurizio Aiello, Maurizio Mongelli, Gianluca Papaleo

Packet Header Anomaly Detection Using Statistical Analysis .................. 473
Warusia Yassin, Nur Izura Udzir, Azizol Abdullah, Mohd Taufik Abdullah, Zaiton Muda, Hazura Zulzalil

Highly Space Efficient Blacklisting .......................................................... 483
Marián Kühnel, Ulrike Meyer

Vulnerabilities in a Two-Factor User Authentication in Multi-server Networks Protocol ............................................................... 495
Adela Georgescu
Optimizing Network Energy Consumption through Intrusion Prevention Systems
Alessio Merlo, Mauro Migliardi, Diego Raso, Elena Spadacini

Anomalous User Comment Detection in Social News Websites
Jorge de-la-Peña-Sordo, Iker Pastor-López, Xabier Ugarte-Pedrero, Igor Santos, Pablo García Bringas

Modelling HTTP Requests with Regular Expressions for Detection of Cyber Attacks Targeted at Web Applications
Rafał Kozik, Michał Choraś, Rafał Renk, Witold Hołubowicz

An Empirical Study on Word Sense Disambiguation for Adult Content Filtering
Igor Santos, Patxi Galán-García, Carlos Laorden Gómez, Javier Nieves, Borja Sanz, Pablo García Bringas, Jose Maria Gómez

Network Traffic Prediction and Anomaly Detection Based on ARFIMA Model
Tomasz Andrysiak, Łukasz Saganowski, Michał Choraś, Rafał Kozik

ICEUTE 2014

General Track

Visualization and Efficiency in Teaching Mathematics
Beáta Bojda, Katalin Bubnó, Benedek Nagy, Viktor Takács

Lab Classes in Chemistry Learning an Artificial Intelligence View
Margarida Figueiredo, M. Lurdes Esteves, José Neves, Henrique Vicente

Author Index