Third World Congress on
Nature and Biologically Inspired Computing (NaBIC'11)

Third International Conference on
Computational Aspects of Social Networks (CASoN'11)

Seventh International Conference on
Next Generation Web Services Practices (NWeSP'11)

19-21, October 2011
Salamanca, Spain

Sponsor

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Location

Sala Menor: NaBIC 2011	
Aula 1.2: CASoN 2011	
Aula 2.3: NWeSP 2011	

October 19, 2011

08:30 – 09.00: Registration at Conference Venue (Aula Secretaría) → NEW

09: 00 - 09:15: Opening Ceremony

09:15 – 10:05: Plenary Talk 1
Francisco Herrera (IEEE SMC Spanish Chapter), University of Granada, Spain
Title: Snapshot on the use of Evolutionary Algorithms for Real Parameter Optimization: Milestones and Current Trends

10:05 – 10:55: Plenary Talk 2
Senén Barro Ameneiro, University of Santiago de Compostela, Spain
Title: Robots at our service: learning on their own and from us

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10:55 – 11:30: Coffee Break – Poster Sessions

NaBIC Posters
Location: Main Hall

Condition Montoring of Rotating Machines Supported by Hydrostatic Bearirings
Ramon Ferreiro Garcia, Francisco Javier Perez Castelo, Jose Luis Calvo Rolle and Alberto Demiguel Catoira
Solving the Multi-objective Multimodal Time-Dependent Shortest Path Problem
Hedi Ayed, Zineb Habbas and Djamel Khadraoui
Parallel Swarm Optimization for Web Information Retrieval
Habiba Drias
Enhance Accuracy of FuzzyTime Series Predictor using Genetic Algorithm
Bindu Garg, M.M Sufyan Beg and A.Q Ansari
Employing Genetic Algorithm to Optimize OWA-Fuzzy Forecasting Model
Bindu Garg, M.M Sufyan Beg and A.Q. Ansari
Forward Only Counter Propagation Network for Balance Scale Weight & Distance Classification Task
Waqas Haider Bangyal
The method for finding a reference point in fingerprint images basing on an analysis of characteristic points
Krzysztof Wrobel and Rafal Doroz
Fingerprint Ridges Frequency
Łukasz Więcław and Tomasz Orczyk
A Comparison of Many-threaded Differential Evolution and Genetic Algorithms on CUDA
Pavel Kromer, Jan Platos, Vaclav Snasel and Ajith Abraham
Search Result Optimization using User Search History
Heejun Han, Jae-Soo Kim, Byeong-Hee Lee and Kwangyoung Kim
Intelligent Operating Conditions design by means of Bio-inspired Models
Jose Ramón Villar, Javier Sedano, Emilio Corchado, Vicente Beatriz Hernando and Raquel Redondo
Concept Map construction applying Natural Language Processing on text extracted from e-commerce web
Graziella M. Caputo and Nelson F. F. Ebecken
Nature-inspired Ensembles to Detect SNMP Anomalous Situations

Javier Sedano, Álvaro Herrero, Emilio Corchado and Bruno Baruque

Evolving Alphabet using Genetic Algorithms
Jan Platos and Pavel Kromer

A Bio-inspired knowledge system for control tuning (BIO-KSY)
Jose Luis Calvo-Rolle, Emilio Corchado, Ramón Ferreiro García, Pedro Antonio Hernández, María Luisa Pérez and María Araceli Sánchez"

CASoN Posters
Location: <u>Main Hall</u>

Social networking APIs for companies --- An example of using the Facebook API for companies
Frank Mueller and Frank Thiesing

An Ontology-based Repository for a Spontaneous Social Network
Bryan Garber Da Silva, Cristiano André Da Costa, Dante Zaupa and Gustavo Freitas

A complete Operational Architecture of Alert correlation
Fatemeh Amiri, Hossein Gharaee and Alireza Enayati

Analysing communication channels for social networks
Christopher Durugbo

Semantic Clustering of Users based on Shared Conceptualizations in Folksonomies
Sana Hamdi, Alda Gancarski, Amel Bouzeghoub and Sadok Ben Yahia

Performance of Modified Iterative Decoding Algorithm for Product Codes
Atta Rahman, Sajjad Ahmed Ghouri, Hanan Adeel and Abdul Waheed

NWeSP Posters
Location: <u>Main Hall</u>

Queries reformulation for the discovery of semantic web services
Dalila Mekhzoumi, Hassina Aliane and Omar Nouali

Business Model of Long-term Browser-based Games – Income without Game Packages
Juha-Matti Vanhatupa

Hierarchical QoS routing by using Multi-constrained Macro-routing
Sanda Dragos

Efficient representation of contours using splines implemented with FIR filters
Lluís Ferrer, Vicenç Parisi, Ramon Reig, Pere Marti and Amàlia Manjabacas

11:30 – 14:00: NaBIC– Session 1 (Session Chair: Manuel Graña and David Corne)
Location: Sala Menor

Generating Software Architecture Spectrum with Multi-Objective Genetic Algorithms
        Outi Räihä, Kai Koskimies and Erkki Mäkinen
Customer Profile Classification Using Transactional Data
        Edward Apeh, Bogdan Gabrys and Amanda Schierz
Artificial Metamorphosis for Self-Growing Adaptable Interface
        Ohbyung Kwon and Namyeon Lee
Permanent Errors May Contribute to Emergent Behavior in One-Dimensional Cellular Automata
        Ludek Zaloudek
On the performance of metahuristic algorithms in the solution of the EEG inverse problem"
        Diana Irazú Escalona-Vargas, Iván López-Arévalo and Dania Gutiérrez
PenaltyWeight Adjustment in Cooperative GA for Nurse Scheduling
        Makoto Ohki and Hideaki Kinjo
Dynamic Learning of Pairwise and Three-way Entanglement
        Elizabeth Behrman and James Steck
A Multi-Layered Perceptron Fingerprint Idenfication System
        Terje Kristensen
A Clonal Selection Algorithm for the Container Stacking Problem
        Luiz A. Carraro and Leandro De Castro

11:30 – 14:00: CASoN– Session 1 (Session Chair: Milos Kudelka)
Location: Aula 1.2

Core/Periphery Structure versus Clustering in International Weblogs
        Darko Obradovic, Christoph Rueger and Andreas Dengel
Social Relevance of Topological Communities in Ad hoc Communication Networks
        Guillaume-Jean Herbiet, Pascal Bouvry and Frédéric Guinand
Towards the Implementation of an Internet-based Neighbourhood Watch Scheme: Impacts of Inclusive
Technologies on Societies
        Budi Arief, David Greathead, Lynne Coventry and Aad Van Moorsel
Comparison of influence metrics in message communication networks
        *Vanesa Junquero-Trabado, Nuria Trench-Ribes, Miquel Angel Aguila-Lorente and David
        Dominguez-Sal*
A Novel Social Network Platform by using E-marketing and Evaluating Models
        Ali Norouzi and A.Halim Zaim
Primary role identification in dynamic social networks
        Radoslaw Brendel and Henryk Krawczyk
A Bio-Inspired Algorithm for Searching Relationships in Social Networks
        Jessica Rivero, Dolores Cuadra, Francisco Javier Calle and Pedro Isasi Viñuela

11:30 – 14:00: NWeSP– Session 1 (Session Chair: Ghada Alaa and Ana Gil)
Location: Aula 2.3

A Semantic Web-based Integration Framework
        Antonio Cuadra, Mª Mar Cutanda, Damaris Fuentes-Lorenzo and Luis Sánchez
Adding Meaning to Facebook Microposts via a Mash-up API and Tracking Its Data Provenance
        Thomas Steiner, Ruben Verborgh and Joaquim Gabarro

Information Retrieval and Visualization of Geographic Places coming from Online Newspapers
    Rocío Abascal Mena and Erick López Ornelas
Why Google Analytics cannot be used for educational content
    Sanda Dragos
On the Development of Browser Games – Technologies of an Emerging Genre
    Juha-Matti Vanhatupa
Publish/Subscribe communication mechanisms over PSIRP
    Augusto Morales, Oscar Novo, Walter Wong and Tomas Robles Valladares
Adaptive Load Balancing between Static and Dynamic Layers in J2EE Applications
    Agustín Belmonte Carmona, Javier Roca-Piera, Carmen Hernández Capel and Jose A. Alvarez-Bermejo
Context-specific Information Distribution Using the Web 3L Model
    Manfred Langen, Walter C. Kammergruber and Karsten Ehms

14:00-15:30 – Lunch

15:30 – 17:30: NaBIC– Session 2 (Session Chair: Jan Platos and Urszula Boryczka)
Location: <u>Sala Menor</u>

Selectional forces in Ontogenetic evolution with application to the TSP
    Daniel Surgent
Improving Prediction Precision of Navigation Satellite Clocks with Functional Network
    Wang Ying and Xu Bo
Distance transform measure based on edge-region information: An algorithm for image quality assessment"
    Zianou Ahmed Seghir, Fella Hachouf and Frédéric Morain-Nicolier
Stress Detection by means of Stress Physiological Template
    Alberto De Santos Sierra, Carmen Sánchez Ávila, Gonzalo Bailador Del Pozo and Javier Guerra Casanova
A Multi-objective Network Design for Real Traffic Models of the Internet by Means of a Parallel Framework for Solving NP-hard Problems
    José M. Lanza-Gutiérrez, Juan A. Gómez-Pulido, Miguel A.Vega-Rodríguez and Juan M. Sánchez
A Drayage Problem considering Real-Time vehicle position knowledge by using Genetic Algorithm"
    Alejandro Escudero, Jesús Muñuzuri, David Cortés and Luis Onieva
Artificial Immune System in Risk of Falling Classification
    Dragan Simic and Svetlana Simic

15:30 – 17:30: CASoN– Session 2 (Session Chair: Osmar R. Zaiane)
Location: <u>Aula 1.2</u>

Generating Private Recommendations in a Social Trust Network
    Zekeriya Erkin, Thijs Veugen and Reginald L. Lagendijk
A Portable and Extensible Community Object
    Yu-Shen Huang, Shang-Rong Tsai, Chia-Ming Lee, Guang-Hong Huang, Yuan-Liang Dai and Hewijin Christine Jiau
Tracking changes in dynamic information networks
    Mansoureh Takaffoli, Justin Fagnan, Farzad Sangi and Osmar R. Zaiane
Category-Based Routing in Social Networks: Membership Dimension and the Small-World Phenomenon
    David Eppstein, Michael Goodrich, Maarten Löffler, Darren Strash and Lowell Trott

Social Media in the context of Academic Marketing Case Study: The Umwelt-Campus Blog"
Tina Stahlschmidt, Lisa Ziemer and Norbert Kuhn
Distributing real time user generated video over P2P networks
Nikolaos Papaoulakis, Charalampos Z. Patrikakis, Christina Androulaki, Lemonia Argyriou, Irene Schmidt
Computational Model to Textual Extraction And Construction of Social And Complex Networks
Patricia Braga, Hernane Pereira and Macelo Moret

15:30 – 17:30: NWeSP– Session 2 (Ana Gil and Pujan Ziaie)
Location: Aula 2.3

A Framework for Process Management in Service Oriented Virtual Organizations
Mohammad Hosein Ahmadi Danesh Ashtiani, Bijan Raahemi and Mohammad Amin Kamali
Introducing Software Design Elements for IT-Benchmarking Purposes
Pujan Ziaie, Jan Wollersheim and Helmut Krcmar
Security Framework for addressing the issues of Trust on Mobile Financial Services
Rajanish Dass and Muttukrishnan Rajarajan
A survey on OpenID identifiers
Antonio Tapiador and Antonio Mendo Hernandez
RESTful Web Service Composition: Extracting a Process Model from Linear Logic Theorem Proving
Xia Zhao, Enjie Liu, Gordon Clapworthy, Na Ye and Yueming Lu
Web Services Availability in e-learning Platforms
Francisco Huertas and Antonio Navarro
Scoring Results in a Geospatial Services Search Engine according to Geographic and Semantic Awareness
Javier Marquez, Jose E. Córcoles and Antonio Quintanilla

17:30 – 18:15: Plenary Talk 3
Location: Sala Menor

Diego Andina, Technical University of Madrid (UPM) Madrid, Spain
Title: Bio-Inspired Learning: Artificial Metaplasticty

18:15 – 18:30 Coffee Break

18:30 – 20:15: NaBIC Session 3 (Session Chair: Mario Koeppen)
Location: Sala Menor

Distance transform measure based on edge-region information: An algorithm for image quality assessment"
Zianou Ahmed Seghir, Fella Hachouf and Frédéric Morain-Nicolier
A Multi-objective Network Design for Real Traffic Models of the Internet by Means of a Parallel Framework for Solving NP-hard Problems
José M. Lanza-Gutiérrez, Juan A. Gómez-Pulido, Miguel A. Vega-Rodríguez and Juan M. Sánchez
Solving the Node Localization Problem in WSNs by a Two-objective Evolutionary Algorithm and Gradient Descent
Massimo Vecchio, Roberto Lopéz-Valcarce and Francesco Marcelloni
An Improved Binary-Real Coded Genetic Algorithm for Real Parameter Optimization
Omar Abdul-Rahman, Masaharu Munetomo and Kiyoshi Akama

A robustness verification system for mobile phone authentication based on gestures using Linear Discriminant Analysis

    Javier Guerra-Casanova, Carmen Sánchez Ávila, Alberto De Santos Sierra and Gonzalo Bailador Del Pozo

Tracking Non-stationary Dynamical Systems Phase using Multi-map and Temporal Self-organizing Architecture

    Bassem Khouzam and Hervé Frezza-Buet

A Generative Approach to Product Bundling in the e-Commerce domain

    Cosimo Birtolo, Diego De Chiara, Maria Ascione and Roberto Armenise

Data Location Optimization for a Self-Organized Distributed Storage System

    Hannes Mühleisen, Tilman Walther and Robert Tolksdorf

18:30 – 20:15: CASoN Session 3 (Session Chair: Katarzyna Wegrzyn-Wolska)
Location: Aula 1.2

Social Media Analysis for e-Health and Medical Purposes

    Katarzyna Wegrzyn-Wolska, Lamine Bougueroua and Grzegorz Dziczkowski

Context and Social Networks Interaction Modeling for Context Aware Alert Systems

    Luciana Cavalcante De Menezes, Andryw Marques Ramos, Ana Gabrielle Ramos Falcão, Hugo Feitosa De Figueirêdo and Cláudio De Souza Baptista

SoLearn: a Social Learning Network

    Khaled Halimi, Hassina Seridi and Catherine Faron-Zucker

Reconstruction of a Social Network Graph from Incomplete Call Detail Records

    Mariusz Kamola, Bartłomiej Piech and Ewa Niewiadomska-Szynkiewicz

Finding Approximately Similar Patterns in Social Networks

    Preeti Goel and Lipika Dey

An Effort based Social Diffusion Approach for Mobile Encounter Networks"

    Bernhard Klein and Helmut Hlavacs

Predicting Links in Social Networks of Trust via Bounded Local Path Traversal

    Alexis Papadimitriou, Panagiotis Symeonidis and Yannis Manolopoulos

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18:30 – 20:15: NWeSP Session 3 (Session Chair: Ghada Alaa)
Location: Aula 2.3

Web services and web components

    JosÉ Luis Herrero Agustin, Fabiola Lucio Sánchez and Pablo Carmona

A semantic information retrieval model for focused crawling

    Daniel Osuna-Ontiveros, Ivan Lopez-Arevalo and Victor Sosa-Sosa

Tagging relations to achieve complex search goals

    Rossano Schifanella, Luca Maria Aiello and Giancarlo Ruffo

Web-based system for evaluating day trading strategies

    Pere Marti-Puig and Juan Ricardo Rivera-Peruyero

Intelligent Online Assessment Methodology

    Uday Kumar M, Mamatha J, Sandesh Jain and Dhanander K Jain

Exscind: Fast Pattern Matching For Intrusion Detection Using

    Monther Aldwairi and Duaa Duaa Alansari

Generic Service Patterns for Web Enabled Public Health Care.

Marina Nassif and Ghada Alaa
Semantic Search for Context-Aware Learning
Alexander Streicher, Natalie Dambier and Wolfgang Roller

21:30 – Welcome Reception

09:30 – 10:25: Plenary Talk 3
Location: Sala Menor
Tom Heskes, Radboud University Nijmegen, The Netherlands
Title: Bayes for brains

10:25 – 11:20: Plenary Talk 4
Location: Sala Menor
Fanny Klett, German Workforce ADL Partnership Lab, Germany
Title: Prospects and Risks of web 2.0 and Social Media Trends

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11:15-11:30 – Coffee Break

11:30 – 14:00: NaBIC– Session 4 (Session Chair: Marisol B. Correia and Juan Manuel Gutierrez)
Location: Sala Menor

Gravitational Swarm Intelligence for Graph Coloring
    Israel Rebollo Ruiz and Manuel Graña
Multiclass Motion Identification using Myolectric Signals   and Support Vector Machines
    Moises Leon, Juan Manuel Gutierrez, Lorenzo Leija, Roberto Muñoz, Jesus Manuel De La Cruz and Matilde Santos
Web Service Selection using Particle Swarm Optimization and Genetic Algorithms"
    Simone A. Ludwig and Thomas Schoene
Generalized Levenberg-Marquardt Neural Nets for Minimization of Quasiconvex Scalar Functions
    Fernando A. Pazos, Amit Bhaya and Eugenius Kaszkurewicz
Gaussian Multiscale Aggregation oriented to Hand Biometric Segmentation in Mobile Devices"
    Alberto De Santos Sierra, Carmen Sánchez Ávila, Gonzalo Bailador Del Pozo and Javier Guerra Casanova"
The Effect of Redundancy and Neutrality in Genetic Search
    Marisol B. Correia
New insights of cooperation among ants in Ant Colony Decision Trees"
    Urszula Boryczka and Jan Kozak
Grayscale Image Recall from Imperfect Inputs with a Two Layer Dendritic Lattice Associative Memory
    Gonzalo Urcid, Gerhard X Ritter and Juan-Carlos Valdiviezo-N
Lattice Masking and Auto-Association for Recalling Color Images in the Presence of Noise"
    Gonzalo Urcid and José-Angel Nieves-V.
The Proposal of a Fuzzy Clustering Algorithm Based on Particle Swarm
    Alexandre Szabo, Leandro Nunes De Castro and Myriam Regattieri Delgado.

11:30 – 14:00: CASoN – Session 4 (Session Chair: Christopher Durugbo)
Location: Aula 1.2

Simulation of Online Social Networks with Krowdix

Diego Blanco, Ruben Fuentes and Juan Pavón

Entropy Based Community Detection in Augmented Social Networks
    Juan David Cruz, Cecile Bothorel and Francois Poulet

On the Temporal Analysis of Scientific Network Evolution
    Frederic Amblard, Arnaud Casteigts, Paola Flocchini, Walter Quattrociocchi and Nicola Santoro

Implicit Groups in Web-based Interactive Applications
    Miguel Rangel Pais, Carmen Morgado and Jose Cunha

Mining Shared Social Media Links to Support Clustering of Blog Articles
    Darko Obradovic, Fernanda Pimenta and Andreas Dengel

Enabling fine-tuned relationship and privacy in social networks
    Antoine Fressancourt, Colombe Hérault, Marie Blin and Stéphane Cauchie

A Comparative Study of Spatial, Temporal and Content-based Patterns Emerging in YouTube and Flickr
    Milan Mirkovic, Dubravko Culibrk, Symeon Papadopoulos, Christos Zigkolis, Yiannis Kompatsiaris,
    Gavin Mcardle and Vladimir Crnojevic"

Personalized adaptive media interfaces for multimedia search
    Silvia Uribe, Federico Álvarez and José Manuel Menéndez

Multimedia Search and Retrieval over Integrated Social and Sensor Networks
    Paul Moore and John Soldatos

SoSIReČR – IT Professional Social Network
    Peter Vojtáš, Jaroslav Pokorný, Martin Nečaský, Tomáš Skopal, Kamil Matoušek, Jiří Kubalík, Ota Novotný and Miloš Maryška

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11:30 – 14:00: NWeSP – Session 4 (Session Chair: *Zhendong Ma*)
Location: <u>Aula 2.3</u>

Enhanced test evaluation for web based adaptive learning paths   Daniel Szentes, Bela Andreas Bargel,
    Alexander Streicher and Wolfgang Roller

Business Driven Optimisation of Service Compositions
    Hisain Elshaafi, Dmitri Botvich and Jimmy Mcgibney

Feature selection for analyzing and retrieving fish otoliths using Elliptic Fourier Descriptors of shapes"
    Ramon Reig-Bolaño, Pere Marti-Puig, Esteve Gallego, Gerard Masferrer, Antoni Lombarte, Lluis Ferrer-Arnau and Vicenç Parisi-Baradad

Dependency-based Criteria for Testing Web Services Transactional Workflows
    Rubén Casado, Javier Tuya and Claude Godart

Exploring Semantic Relationships Across Internet Resources
    Helder Castro, Maria Teresa Andrade, Fernando Almeida, Giuseppe Tropea, Nicola Blefari Melazzi, Leonardo Chiariglione, Aziz S. Mousas and Dimitra I. Kaklamani

A P2P Content Delivery System for Alternative Business Models"
    Helder Castro and Artur P. Alves

On Building a Large Scale Climate Data System in Support of HPC Environment"
    Feiyi Wang

Model-driven security for Web services in e-Government system: ideal and real"
    Zhendong Ma, Christian Wagner and Thomas Bleier

Searching the Web for Peculiar Images based on Hand-made Concept Hierarchies
    Shun Hattori

15:30 – 17:30: NaBIC– Session 5 (Session Chair: Salvador García López and Javier De Lope)
Location: Sala Menor

A Study of the Scaling up Capabilities of Stratified Prototype Generation
Isaac Triguero Velázquez, Joaquín Derrac Rus, Salvador García López and Francisco Herrera Triguero"
Flash Floods Forecasting Without Rainfalls Forecasts by Recurrent Neural Networks. Case study on the Mialet basin (Southern France)
Guillaume Artigue, Anne Johannet, Valérie Borrell and Séverin Pistre
Inspection method based on multi-agent auction for graph-like maps"
Manuel Martin, Juan Pereda, Javier De Lope and Felix De La Paz
Local Optimization in Global Multi-Objective Optimization Algorithms"
Algirdas Lančinskas, Pilar M. Ortigosa and Julius Žilinskas
High-Level Construction of Emergent Self-Organizing
Behavior in Massively Distributed Embedded Systems
Dalimir Orfanus, Peter Janacik, Frank Eliassen and Pål Orten
Applying XCS on Time Variant Problem: Separates Thinking from Doing
Po-Ming Lee and Tzu-Chien Hsiao
WChord: a Hybrid and Bio-Inspired Architecture to Peer to Peer Networks
Thiago Q. De Oliveira, Joaquim Celestino Júnior, André R. Cardoso and Tiago Carneiro
An Eco-inspired Evolutionary Algorithm Applied to Numerical Optimization"
Rafael Parpinelli and Heitor Silverio Lopes

15:30 – 17:30: CASoN– Session 5 (Session Chair: Milos Kudelka and Sebastian Ebers)
Location: Aula 1.2

Using YouTube Data to Analyze Human Continent-Level Mobility
Katarina Gavric, Dubravko Culibrk, Milan Mirkovic and Vladimir Crnojevic
Detection of Communities in Directed Networks based on Strongly p-Connected Components"
Vincent Levorato and Coralie Petermann
Application of Social Network to Improve Effectiveness of Classifiers in Churn Modelling
Witold Gruszczyński and Piotr Arabas
The Identification of Intimate Friends in Personal Social Network
Moohong Min, Donjung Choi, Jaekwang Kim and Jee-Hyong Lee
A Degree Centrality in Multi-layered Social Network
Piotr Bródka, Krzysztof Skibicki, Przemyslaw Kazienko and Katarzyna Musial
Social Networking for Anonymous Communication Systems: A Survey
Rodolphe Marques and André Zúquete
Visual Investigation of Similarities in Global Terrorism Database by Means of Synthetic Social Networks
Jan Gorecki, Katerina Slaninova and Vaclav Snasel
Forcoa.NET: An Interactive Tool for Exploring the Significance of Authorship Networks in DBLP Data
Zdenek Horak, Milos Kudelka, Vaclav Snasel, Ajith Abraham and Hana Rezankova
Modelling strategic information for networks during collaboration
Christopher Durugbo
Distributed Collaboration Models for Social Networks
Jalal Kawash

15:30 – 17:30: NWeSP– Session 5 (Session Chair: Rafael Corchuelo)
Location: Aula 2.3

Surface parameterization for smooth 3D shapes
     Pere Marti-Puig, Amàlia Manjabacas Soriano, Ramon Reig-Bolano, Lluís Ferrer-Arnau, Vicenç Parisi-Baradad and Toni Lombarte
On a Proposal to Integrate Web Sources using Semantic-Web Technologies
     Hassan A. Sleiman, Carlos R. Rivero and Rafael Corchuelo
Efficient Runtime Service Discovery and Consumption with Hyperlinked RESTdesc
     Ruben Verborgh, Thomas Steiner, Davy Van Deursen, Rik Van De Walle and Joaquim Gabarró Vallés
A Framework for Brokered Service Level Agreements in SOA Environments
     Elarbi Badidi
Semantically Enriched Cloze Exercice
     Bela Andreas Bargel, Alexander Streicher, Daniel Szentes and Wolfgang Roller
New educational approach based on the use of wiki platforms in university environments
     Juan Ortega Valiente and Antonio José Reinoso Peinado
Fuzzy reduced method for evaluating the quality of institutional web sites
     Rim Rekik and Ilhem Kallel
A new security framework against Web services' XML attacks in SOA
     Narges Shahgholi, Mehran Mohsenzadeh, Mir Ali Seyyedi and Saleh Hafez Qorani
Best-Basis development towards the automatic detection of otolith irregularities in fishes
     Jose Antonio Soria and Vicenç Parisi

17:30 – 18:15 – Coffee Break and Poster Sessions / Meeting Systems Man&Cybernetics (Sala Menor)

18:15 – 20:15: NaBIC Session 6 (Session Chair: Dusan Husek and Martin Macas)
Location: Sala Menor

Optimizers derived from human opinion formation
     Martin Macas and Lenka Lhotska
Swarm Intelligence based Approach for Real Time UAV Team Coordination in Search Operations
     Gervasio Varela, Pilar Caamaño, Felix Orjales, Alvaro Deibe, Fernando Lopez-Peña and Richard Duro
Wavelet Transform and Artificial Neural Networks Applied to Voice Disorders Identification
     Raphael T. S. Carvalho, Charles C. Cavalcante and Paulo C. Cortez
Multi-Feature Fusion in Image Clustering using Ant-Inspired Methods
     Tomas Piatrik and Ebroul Izquierdo
Otsu's Criterion-based Multilevel Thresholding by a Nature-inspired Metaheuristic called Galaxy-based Search Algorithm
     Hamed Shah-Hosseini
Bacterial Colony: Information Processing and Computational Behavior
     Rafael Xavier, Nizam Omar and Leandro De Castro
Exploiting inherent regularity in control of multilegged robot locomotion by evolving neural fields
     Benjamin Inden, Yaochu Jin, Robert Haschke and Helge Ritter
Nature-Inspired Reconfiguration of Overlay Networks
     Simone Ludwig
Ant inspired techniques in Textual Information Retrieval from an Hospital Information System
     Miroslav Bursa, Lenka Lhotska, Vaclav Chudacek, Michal Huptych, Jiri Spilka, Petr Janku and Martin Huser

18:15 – 20:15: NWeSP - Session 6 (Session Chair: Marta Gatius)
Location: <u>Aula 2.3</u>

Web Service Complex Request Ontology and its Answers Models
     Brahim Batouche, Yannick Naudet and Frédéric Guinand
Transforming passive users into service providers via semantic enhanced service oriented architecture
     Mehdi Khouja, Carlos Juiz, Ramon Puigjaner and Farouk Kamoun
Constraints-Based Response Time for Efficient QoS in Web Services Composition
     Bassirou Gueye, Ibrahima Niang, Bamba Gueye, Mouhamed Ould Deye and Yahya Slimani
Predicting Client-side Attacks via Behaviour Analysis using Honeypot Data
     Yaser Alosefer and Omer Rana
Using Domain Knowledge for Fostering the Collaborative Ability of a Web Dialogue System
     Marta Gatius and Meritxell Gonzalez
Developing Autonomous Matchmaking Web Services
     Hong Qing Yu
Educational Content Retrieval Based on Semantic Web Services
     Ana Gil, Sara Rodríguez, Fernando De La Prieta and Beatriz Martín
RESTful Write-oriented API for Hyperdata in Custom RDF Knowledge Bases
     Jacek Kopecky, Carlos Pedrinaci and Alistair Duke

<div align="center">

21:00 – 24:00 – Gala Dinner

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09:30 – 10:00: Plenary Talk 5 ➔ 15 minutes delay in all sessions - NEW

Location: <u>Sala Menor</u>

Isidro Laso-Ballesteros, D.G. Information Society and Media, European Commission.

09:45 – 12:30: NaBIC– Session 7 (Session Chair: Ana Madureira)
Location: <u>Sala Menor</u>

Negotiation Mechanism for Self-Organized Scheduling System
Ana Madureira, Nelson Sousa and Ivo Pereira
A Hybrid Evolutionary Approach to the Management of Bicycle Renting Systems
Camelia Chira, Javier Sedano, Monica Camara, Jose Villar and Emilio Corchado
Batch FCM with Volume Prototypes for Clustering High-Dimensional Datasets with Large Number of Clusters
Tomáš Vintr, Lukáš Pastorek, Vanda Vintrova and Hana Rezankova
Adaptive Mutation Depending on Program Size in Asynchronous Program Evolution
Tomohiro Harada and Keiki Takadama
Towards Generalization by Identification-based XCS in Multi-steps Problem
Masaya Nakata, Keiki Takadama and Fumiaki Sato
Personalized Suggestions by means of Collaborative Filtering: A Comparison of two different Model-based Techniques
Cosimo Birtolo, Davide Ronca, Roberto Armenise and Maria Ascione
Interactive Spatial Evolutionary Computation Based Predictive Modeling of Rare Plants Species Occurrences
Denis Garagic, Bradley J. Rhodes and Marc A. Abramiuk
An Useful Method for Scene Categorization from News Video using Visual Features
Heejun Han and Jae-Soo Kim
An Evolutionary Approach to the Index Selection Problem
Javier Calle, Yago Saez and Dolores Cuadra
A Particle Swarm Optimization Algorithm for Maximizing Production Rate and Workload Smoothness
Sebnem Demirkol Akyol and G. Mirac Bayhan
Mining and Representing Rare Association Rules through the Use of Genetic Programming
José María Luna, José Raúl Romero and Sebastián Ventura

09:45 – 12:30: NaBIC– Session 8 (Session Chair: Alicia Troncoso and David W. Corne)
Location: <u>Aula 1.2</u>

Revisiting the Yeast Cell Cycle Problem with the Improved TriGen Algorithm
David Gutiérrez-Avilés, Cristina Rubio-Escudero and José C. Riquelme-Santos
A Local Search in Scatter Search for Improving Biclusters
Juan A. Nepomuceno, Alicia Troncoso and Jesús S. Aguilar-Ruiz
API for Data Dissemination Protocols - Evaluation with AutoCast
Sebastian Ebers, Mohamed A. Hail, Stefan Fischer and Horst Hellbrück
Genetic Search for Quasigroups with Heterogeneous Power Sequences
Eliska Ochodkova, Pavel Kromer, Jiri Dvorsky, Jan Platos, Ajith Abraham and Vaclav Snasel
Evaluating Bio-Inspired Approaches for Advance Prediction of Epileptic Seizures

Negin Moghim and David W Corne
Feature Subset Selection for Arabic Document Categorization using BPSO-KNN
Hamouda Chantar and David W Corne
Optimization by Precomputation
David W Corne and Alan Reynolds
Meta-Heuristic Optimization Reloaded
Mario Koeppen, Kaori Yoshida and Kei Ohnishi
Towards Relevant Dendritic Computing
Manuel Grana and Ana Gonzalez-Acuña
Lip Print Recognition Based on DTW Algorithm
Lukasz Smacki, Krzysztof Wrobel and Piotr Porwik
Brain-Computer Interface: Common Tensor Discriminant Analysis classifier evaluation
Pavel Bobrov, Alexander Frolov and Dusan Husek

09:45 – 12:30: NWesP– Session 7 (Session Chair: Juan Antonio Lopez-Ramos)
Location: Aula 2.3

Integrated Architecture To Track And Organize Tasks In Corporations and Institutions
Carmen Hernández Capel, Agustín Belmonte Carmona, Javier Roca-Piera and Jose A. Alvarez-Bermejo
The Performance Effects of Process Cascade-Based Organizational Design
Markus Kohlbacher and Doris Weitlaner
A strategy for identification of Web query interfaces using supervised learning
Heidy M. Marin-Castro, Victor J. Sosa-Sosa and Ivan Lopez Arevalo
Remarks and countermeasures on a cryptoanalysis of a secure multicast protocol
Juan Antonio Lopez-Ramos and Nicolas Antequera
Discovering hypernyms using linguistic patterns on web search
Ana B. Rios-Alvarado, Ivan Lopez-Arevalo and Victor Sosa-Sosa
Distributed Continuous Queries Over Web Service Event Streams
Waldemar Hummer, Benjamin Satzger, Philipp Leitner, Christian Inzinger and Schahram Dustdar
Web-based Research Collaboration Service: Crowd Lifelog Research Case Study
Pil Ho Kim

12:30 – 12:50 – Coffee Break and Poster Sessions

12:50 – 13:50 Plenary Talk 5 (NWeSP 2011)
Location: Sala Menor

Gonzalo Camarillo, Ericsson Research, Finland
Title: *Real-Time Communication in Web-browsers*

13:50 – 14:50: Lunch

15:00 – 22:00 (approximately): Social Function