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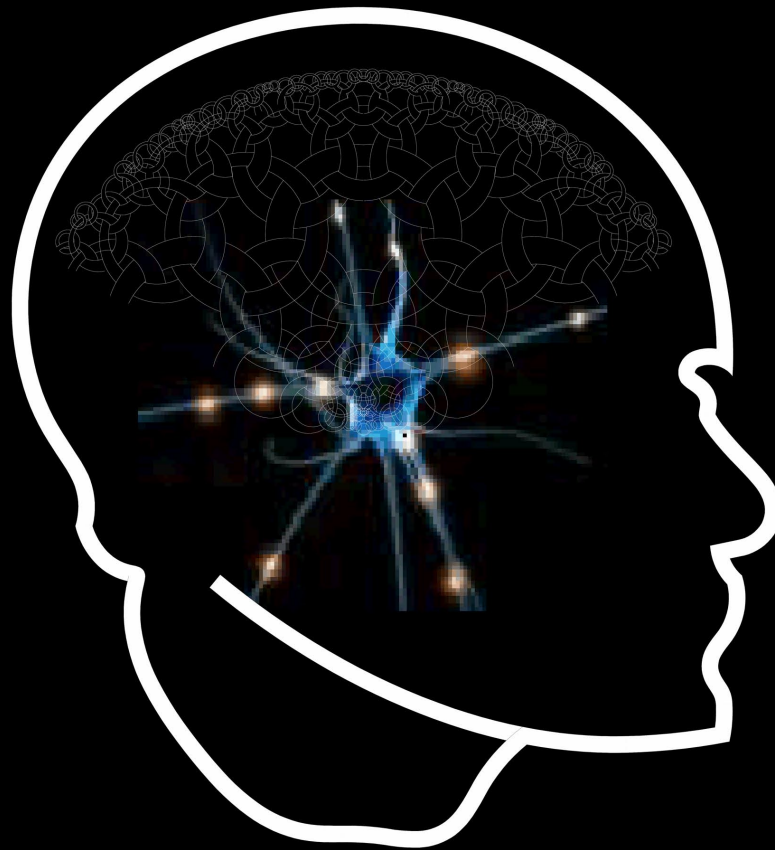
International Conference on Intelligent Systems Design and Applications

9th International Conference on Intelligent Systems Design and Applications

CONFERENCE INFORMATION

PAPERS BY SESSION

PAPERS BY AUTHOR

GETTING STARTED

TRADEMARKS

SEARCH

30 November - 2 December 2009
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Conference Information

2009 Ninth International Conference on Intelligent Systems Design and Applications

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- ❑ Evolutionary Algorithms
- ❑ Workshop W1: Soft Computing in Intelligent Agents and Web Technologies
- ❑ Workshop W2: Genetic Fuzzy Systems: Design and Applications
- ❑ Workshop W3: Intelligent Image Processing and Artificial Vision
- ❑ Workshop W4: Hybrid Learning for Artificial Neural Networks: Architectures and Applications
- ❑ Swarm Intelligence
- ❑ Workshop W5: Tags and Recommendations in Web 2.0
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- ❑ Scaling Genetic Algorithms Using MapReduce
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❑ An Automat for the Semantic Processing of Structured Information
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❑ Using Incomplete Fuzzy Linguistic Preference Relations to Characterize User Profiles in Recommender Systems
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❑ Handling High-Dimensional Regression Problems by Means
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❑ Exploiting a New Interpretability Index in the Multi-Objective
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❑ Linguistic Modifiers to Improve the Accuracy-Interpretability Trade-Off in Multi-Objective Genetic Design of Fuzzy Rule Based Classifier Systems
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- ❑ A Fuzzy System for Impact Analysis of Advertisement Billboards in Soccer Telecast
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- ❑ GPU-Based Road Sign Detection Using Particle Swarm Optimization
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- ❑ Improved Fuzzy Snakes Applied to Biometric Verification Problems
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❑ A New Scheme for Vision Based Flying Vehicle Detection Using
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❑ Image Contrast Control Based on Łukasiewicz's Operators
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- ❏ Hyperbolic Tangent Basis Function Neural Networks Training by Hybrid Evolutionary Programming for Accurate Short-Term Wind Speed Prediction
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- ❏ Hybridizing Ensemble Classifiers with Individual Classifiers
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- ❏ Classification by Evolutionary Generalized Radial Basis Functions
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❑ Modeling Environmental Noise Using Artificial Neural Networks
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❑ Combining Uncertainty Sampling Methods for Active Meta-Learning
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❑ A Multiple Objective Particle Swarm Optimization Approach
Using Crowding Distance and Roulette Wheel
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❑ Hardware Architecture for Particle Swarm Optimization Using
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❑ Dynamic Clan Particle Swarm Optimization
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❑ Item Recommendation with Veristic and Possibilistic Metadata: A Preliminary Approach
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❑ Neighbor Selection and Recommendations in Social Bookmarking Tools
   Antonina Dattolo, Felice Ferrara, and Carlo Tasso

❑ Using Tag Co-occurrence for Recommendation
   Christian Wartena, Rogier Brussee, and Martin Wibbels

❑ A Parametric Architecture for Tags Clustering in Folksonomic Search Engines
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- ❑ Improved Search in Tag-Based Systems
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- ❑ Social and Behavioral Aspects of a Tag-Based Recommender System
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- ❑ A JADE-Based ART-Inspired Ontology and Protocols for Handling Trust and Reputation
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- ❑ Some Parametric Forms for LR Fuzzy Numbers and LR Fuzzy Arithmetic
  Laerte Sorini and Luciano Stefanini

- ❑ Bi-symmetrically Weighted Trapezoidal Approximations of Fuzzy Numbers
  Przemyslaw Grzegorzewski and Karolina Pasternak-Winiarska

- ❑ Value Function Computation in Fuzzy Real Options by Differential Evolution
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- ❑ An Efficient Combinatorial Approach for Solving the DNA Motif Finding Problem
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- ❑ Using Machine Learning Techniques to Improve the Behaviour of a Medical Decision Support System for Prostate Diseases
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- ❑ Translating Cancer Research into Clinical Practice: A Framework for Analyzing and Modeling Cancer from Imaging Data
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- ❑ A Decision Support System for Aiding Heart Failure Management
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- ❑ Knowledge Discovery Approaches for Early Detection of Decompensation Conditions in Heart Failure Patients
  A. Candelieri, D. Conforti, A. Sciacqua, and F. Perticone

- ❑ On Intelligent Procedures in Medication for Patient Safety: The PSIP Approach
  Vassilis Koutkias, Katerina Lazou, Vassilis Kilintzis, Régis Beuscart, and Nicos Maglaveras

- ❑ A Semantic Infrastructure for the Integration of Bioinformatics Services
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- ❑ Accuracy Improvement of SOM-Based Data Classification for Hematopoietic Tumor Patients
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- ❑ Linguistic Summaries of Time Series Using a Degree
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- ❑ Evaluating an Intelligent Business System with a Fuzzy
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- ❑ Support Vector Machines for Insolvency Prediction of Irish
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- ❑ Design of Artificial Neural Networks Using a Memetic Pareto Evolutionary Algorithm Using as Objectives Entropy versus Variation Coefficient
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- ❑ Wavelength Converter Allocation in Optical Networks: An Evolutionary Multi-objective Optimization Approach
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- ❑ A Study on Interpretability Conditions for Fuzzy Rule-Based Classifiers
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- ❑ Qualitative and Task Analytic Methods to Support Comprehensible Intelligent System Design
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- ❑ Comprehensible Model of a Quasi-periodic Signal
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- ❑ The Impact of Pruning BayesFuzzy Rule Set
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❑ Dynamic Representation of a Situation: A Step of a Decision
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❑ Method to Select Effective Risk Mitigation Controls Using Fuzzy
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- ❑ Hybrid and Evolutionary Agent-Based Social Simulations Using the PAX Framework
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- ❑ Implementing Metaheuristic Optimization Algorithms with JECoLi
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- ❑ Texture-Based Segmentation of Very High Resolution Remote-Sensing Images
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❑ An FPGA Based Arrhythmia Recognition System for Wearable Applications
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  for Recommendations in E-Commerce Applications
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  M. Espinilla, R.M. Rodríguez, Luis Martínez, F. Mata, and J. Liu

- A Preliminary Study of the Effects of Different Aggregation Operators on Consensus Processes
  F. Mata, L. Martínez, and J.C. Martínez

- Action Rules in Consensus Reaching Process Support
  Janusz Kacprzyk, Slawomir Zadrozny, and Zbigniew W. Raś

- Measuring Social Welfare through Location and Consensus Measures
  José Luis García-Lapresta and Ricardo Alberto Marques Pereira

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❑ Connection Among Some Characterizations of Complete Fuzzy Preorders
   Susana Díaz, Davide Martinetti, Ignacio Montes, and Susana Montes

❑ Definition of a Consensual Drug Selection Process in Hospital Universitario Virgen de la Victoria
   J.M. Doña, I. Moya, and J. López

❑ Strategic Assessment of Business
   J.M. Doña, J.I. Peláez, and L.G. Vargas

❑ On the Use of the Uncertain Induced OWA Operator and the Uncertain Weighted Average and its Application in Tourism Management
   José M. Merigó, Anna M. Gil-Lafuente, and Onofre Martorell

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Special Session S7: Education and Learning Models, Applications and Solutions

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❑ Cognition and Affectivity: Its Influences in Teacher-Student Relation and in the Teaching-Learning Process
 Ana Letícia Galastri

❑ Intelligent Reporting System with e-Training Capabilities
 Maria Murri, Marco Lupinelli, and Luca Onofri

❑ Analyzing Online Asynchronous Discussion Using Content and Social Network Analysis
 B. Erlin, Norazah Yusof, and Azizah Abdul Rahman

❑ Improving Academic Performance Prediction by Dealing with Class Imbalance
 Nguyen Thai-Nghe, Andre Busche, and Lars Schmidt-Thieme

Papers by Session

**Workshop W11: Provisioning of Smart Services
in Ontology-Based Systems**

❑ Using Ontologies to Achieve Semantic Interoperability in
  the Web: An Approach Based on the Semantic Triangle Model
  Angelo Chianese, Annarita Fasolino, Vincenzo Moscato, and Porfirio Tramontana

❑ Ontology-Based System for Enterprise 2.0
  Giuseppina Rita Mangione, Sergio Miranda, Stefano Paolozzi, Anna Pierri, Pierluigi Ritrovato,
  and Saverio Salerno

❑ A Business Intelligence Process to Support Information
  Retrieval in an Ontology-Based Environment
  Filippo Sciarrone, Paolo Starace, and Tommaso Federici

❑ Combining DHTs and SONs for Semantic-Based Service
  Discovery
  Giuseppe Pirró, Paolo Missier, Paolo Trunfio, Domenico Talia, Gabriele Falace, and Carole Goble

❑ Product Configurator: An Ontological Approach
  Francesco Colace, Massimo De Santo, and Paolo Napoletano

Papers by Session

❑ WikiArt: An Ontology-Based Information Retrieval System for Arts
Roberto Pirrone, Vincenzo Cannella, Orazio Gambino, Arianna Pipitone, and Giuseppe Russo

❑ An Ontology-Based Method for Integrating Heterogeneous Itembanks
Chun-Wei Tsai, Shih-Pang Tseng, Yu-Sheng Yang, Ming-Chao Chiang, and Chu-Sing Yang

❑ Higher Education in the Twenty-First Century. The Chance of Adaptive Learning Environments
Antonella Poce

❑ A Probabilistic Method for Text Analysis
Fabio Clarizia, Massimo De Santo, and Paolo Napoletano

Papers by Session

Special Session S8: Intelligent E-Learning Systems

❑ Developing Student Model Using Kohonen Network in Adaptive Hypermedia Learning System
  Bariah Yusob, Siti Mariyam Hj Shamsuddin, and Nor Bahiah Ahmad

❑ OCEAN Project A Prototype of AIWBES Based on Fuzzy Ontology
  Francesco Colleoni, Silvia Calegari, Davide Ciucci, and Matteo Dominoni

❑ LS-LAB: A Framework for Comparing Curriculum Sequencing Algorithms
  Carla Limongelli, Filippo Sciarrone, and Giulia Vaste

❑ Concept-Based Classification for Adaptive Course Sequencing Using Artificial Neural Network
  Norsham Idris, Norazah Yusof, and Puteh Saad

❑ A Metrics Suite for Measuring Reusability of Learning Objects
  Siti Fadzilah Mat Noor, Norazah Yusof, and Siti Zaiton Mohd Hashim

Papers by Session

Special Session S9: Intelligent Systems for Industrial Processes

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❑ Tutorial: About Industrial Acceptance of Intelligent Systems
    Leonardo M. Reyneri

❑ Automatic Diagnosis of Defects of Rolling Element Bearings
    Based on Computational Intelligence Techniques
    Marco Cococcioni, Beatrice Lazzerini, and Sara Lioba Volpi

❑ GA-Based Solutions Comparison for Storage Strategies
    Optimization for an Automated Warehouse
    Valentina Colla, Gianluca Nastasi, Nicola Matarese, and Leonardo M. Reyneri

❑ Profit Forecasting Using Support Vector Regression
    for Consulting Engineering Firms
    Victor Yepes, Eugenio Pellicer, and Francesc J. Ferri

Papers by Session

❑ On-Line Neural Network Stator Resistance Estimation in Direct
Torque Controlled Induction Motor Drive
 Yassine Sayouti, Ahmed Abbou, Mohammed Akherraz, and Hassane Mahmoudi

Papers by Session

Intelligent Data Mining

❑ An Experimental Study on Unsupervised Clustering-Based Feature Selection Methods
  Thiago F. Covões and Eduardo R. Hruschka

❑ A Penalty Function for Computing Orthogonal Non-negative Matrix Factorizations
  Nicoletta Del Buono

❑ Comparison Among Methods for k Estimation in k-means
  Murilo C. Naldi, André Fontana, and Ricardo J.G.B. Campello

❑ A Possibilistic Approach for Building Statistical Language Models
  Saeedeh Momtazi and Hossein Sameti

❑ A Robust Prediction Method for Interval Symbolic Data
  Roberta A.A. Fagundes, Renata M.C.R. de Souza, and Francisco José A. Cysneiros

Papers by Session

❑ Optimizing Linear and Quadratic Data Transformations
for Classification Tasks
José M. Valls and Ricardo Aler

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**Workshop W12: Computational Intelligence
for Personalization in Web Content and Service Delivery**

❑ Modeling User Preferences through Adaptive Fuzzy Profiles
   Corrado Mencar, Maria A. Torsello, Danilo Dell'Agnello, Giovanna Castellano, and Ciro Castiello

❑ Situation-Aware Mobile Service Recommendation with Fuzzy
   Logic and Semantic Web
   Alessandro Ciaramella, Mario G.C.A. Cimino, Beatrice Lazzerini, and Francesco Marcelloni

❑ An Heuristic Approach to Page Recommendation in Web Usage
   Mining
   Antonio Maratea and Alfredo Petrosino

❑ Recommendations toward Serendipitous Diversions
   Leo Iaquinta, Marco de Gemmis, Pasquale Lops, and Giovanni Semeraro

❑ A Preliminary Experience in Optimizing the Layout of Web
   Pages by Genetic Algorithms to Fit Mobile Devices
   Luigi Troiano, Gennaro Cirillo, Roberto Armenise, and Cosimo Birtolo

Papers by Session

❑ A Recommendation Technique for Cultural Heritage
Hypermedial Objects
Pierpaolo Di Bitonto, Teresa Roselli, and Veronica Rossano

Papers by Session

Workshop W13: Evolutionary Algorithms and other Metaheuristics for Continuous Optimization Problems - A Scalability Test

❑ Memetic Algorithm with Local Search Chaining for Continuous Optimization Problems: A Scalability Test
  Daniel Molina, Manuel Lozano, and Francisco Herrera

❑ Continuous Variable Neighbourhood Search Algorithm Based on Evolutionary Metaheuristic Components: A Scalability Test
  Carlos García-Martínez and Manuel Lozano

❑ A Memetic Differential Evolution Algorithm for Continuous Optimization
  Santiago Muelas, Antonio La Torre, and José-María Peña

❑ An Adaptive Memory Procedure for Continuous Optimization
  Abraham Duarte, Rafael Martí, and Fred Glover

Papers by Session

❑ A Scalability Test for Accelerated DE Using Generalized Opposition-Based Learning
   Hui Wang, Zhijian Wu, Shahryar Rahnamayan, and Lishan Kang

❑ Unidimensional Search for Solving Continuous High-Dimensional Optimization Problems
   Vincent Gardeux, Rachid Chelouah, Patrick Siarry, and Fred Glover

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Workshop W14: Educational Data Mining

❑ Mining Models for Failing Behaviors
    Cláudia Antunes

❑ Checking the Reliability of GeSES: Method for Detecting
    Symptoms of Low Performance
    Javier Bravo, Estefanía Martín, Alvaro Ortigosa, and Rosa M. Carro

❑ From Local Patterns to Global Models: Towards Domain Driven
    Educational Process Mining
    Nikola Trčka and Mykola Pechenizkiy

❑ Predicting Academic Achievement Using Multiple Instance
    Genetic Programming
    Amelia Zafra, Cristóbal Romero, and Sebatián Ventura

❑ Discovering Learning Objects Usability Characteristics
    Alfredo Zapata, Victor H. Menendez, and Manuel E. Prieto

Papers by Session

❑   Time Analysis of Forum Evolution as Support Tool
for E-Moderating
Carlo Alberto Bentivoglio

Papers by Session

Workshop W15: Data Mining and Ontologies Models, Applications and Solutions

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❑ MAHATMA: A Genetic Programming-Based Tool for Protein Classification
   Denise F. Tsunoda, Alex A. Freitas, and Heitor S. Lopes

❑ A Strategy for Biodiversity Knowledge Acquisition Based on Domain Ontology
   A.C.F. Albuquerque, J.L. Campos dos Santos, and J.F. de Magalhães Netto

❑ A Fast Algorithm for Mining Rare Itemsets
   Luigi Troiano, Giacomo Scibelli, and Cosimo Birtolo

❑ Developing an Implementation through a Modeling of the Database for Cardiovascular Monitoring
   Hugo Bulegon, Silvio Bortoleto, and Angelmar Constantino Roman

Papers by Session

- An FCD Information Processing Model under Traffic Signal Control
  Weifeng Lv, Leishi Xu, Tongyu Zhu, Bowen Du, and Dongdong Wu

- Designing a Conceptual Model for Herbal Research Domain Using Ontology Technique
  Azlida Mamat and Azizah Abdul Rahman

- Potential Data Mining Classification Techniques for Academic Talent Forecasting
  Hamidah Jantan, Abdul Razak Hamdan, and Zulaiha Ali Othman

- Ontology Merging and Data Schema Integration: An Approach to Identify Semantic Similarity and Resolve Schematic Heterogeneity in Interoperable GIS Application
  Nanna Suryana, Shahrin Sahib, Ridlwan Habibi, Norayu Abdul Ghani, Zahriah Othman, and Ahmad Tajuddin Samsudin

Papers by Session

❑ Equalizing the Structures of Web Communities in Ontology Development Tools
Francesca Arcelli Fontana, Ferrante Raffaele Formato, and Remo Pareschi

❑ Searching Common Pattern in Agents Behaviors with Usage of FCA
P. Gajdoš and M. Radecký

❑ Vertical Mining of Frequent Patterns Using Diffset Groups
Laila A. Abd El-Megid, Mohamed E. El-Sharkawi, Laila M. El-Fangary, and Yehia K. Helmy

Papers by Session

Intelligent Knowledge Management

❑ On the Role of Dialogue and Argumentation In Collaborative
Problem Solving
   Nadim Obeid and Asma Moubaiddin

❑ Inductive Query Answering and Concept Retrieval Exploiting
Local Models
   Claudia d'Amato, Nicola Fanizzi, Floriana Esposito, and Thomas Lukasiewicz

❑ Some Basic Results of Fuzzy Research in the ISI Web
of Knowledge
   José M. Merigó and Anna M. Gil-Lafuente

❑ Order Independent Incremental Evolving Fuzzy Grammar
Fragment Learner
   Nurfadhlina Mohd Sharef, Trevor Martin, and Yun Shen

❑ Automatic Labeling of Topics
   Davide Magatti, Silvia Calegari, Davide Ciucci, and Fabio Stella

Papers by Session

Special Session S10: Intelligent Systems and Data Mining Techniques for Bioinformatics

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❑ Optimization of Multi-classifiers for Computational Biology: Application to the Gene Finding Problem
   Rocío Romero-Zaliz, Coral del Val, and Igor Zwir

❑ An Overlapping Control–Biclustering Algorithm from Gene Expression Data
   Juan A. Nepomuceno, Alicia Troncoso, and Jesús S. Aguilar-Ruiz

❑ Similarity Analysis of Protein Binding Sites: A Generalization of the Maximum Common Subgraph Measure Based on Quasi-Clique Detection
   Imen Boukhris, Zied Elouedi, Thomas Fober, Marco Mernberger, and Eyke Hüllermeier

❑ Efficient Construction of Multiple Geometrical Alignments for the Comparison of Protein Binding Sites
   Thomas Fober, Gerhard Klebe, and Eyke Hüllermeier

Papers by Session

❑ Optimizing Multiple Sequence Alignment by Improving Mutation
Operators of a Genetic Algorithm

Fernando José Mateus da Silva, Juan Manuel Sánchez Pérez, Juan Antonio Gómez Pulido,
and Miguel A. Vega Rodríguez

Papers by Session

Workshop W16: Neural Networks and Neuro-Fuzzy Systems

❑ Risk Factor Identification and Classification of Macrosomic Newborns by Neural Networks
  A. Guillen, A.M. Trujillo, S. Romero, G. Rubio, I. Rojas, H. Pomares, L.J. Herrera, and J.F. Guillen

❑ A Data Mining Approach Based on a Local-Global Fuzzy Modelling for Prediction of Color Change after Tooth Bleaching Using Vita Classical Shades
  L.J. Herrera, M.M. Pérez, J. Santana, R. Pulgar, J. González, H. Pomares, and I. Rojas

❑ Trajectory Tracking of Complex Dynamical Network for Recurrent Neural Network Via Control V-Stability
  José P. Pérez, Joel Pérez, and Jorge A. González

❑ General Purpose Input Variables Extraction: A Genetic Algorithm Based Procedure GIVE A GAP
  Silvia Cateni, Valentina Colla, and Marco Vannucci

Papers by Session

- ❑ A Fuzzy Wavelet Neural Network Model for System Identification
  Sevcan Yilmaz and Yusuf Oysal

- ❑ FPGA-Based Recurrent Wavelet Neural Network Control System for Linear Ultrasonic Motor
  Ying-Chih Hung and Faa-Jeng Lin

- ❑ Fitting Multiple Alpha Peaks Using Neural Network Techniques
  Javier Miranda, Antonio Baeza, Javier Guillén, and Rosa Ma Pérez Utrero

- ❑ Computer Vision-Based Eyelid Closure Detection: A Comparison of MLP and SVM Classifiers
  David González-Ortega, F.J. Díaz-Pernas, M. Antón-Rodríguez, M. Martínez-Zarzuela, J.F Díez-Higuera, and D. Boto-Giralda

- ❑ A Method to Point Out Anomalous Input-Output Patterns in a Database for Training Neuro-Fuzzy System with a Supervised Learning Rule
  Valentina Colla, Nicola Matarese, and Leonardo M. Reyneri

Papers by Session

❑   Acquisition of Body and Object Representation Based
on Motion Learning and Planning Framework
  Takahiro Asamizu and Yuichi Kobayashi

Papers by Session

Workshop W17: Soft Computing and Image Processing

- A A-IFSs Based Image Segmentation Methodology for Gait Analysis
  Pedro Couto, Vitor Filipe, Pedro Melo-Pinto, Humberto Bustince, and Edurne Barrenechea

- A 3D Lifting Based Method Augmented by Motion Compensation for Video Coding
  Sedat Telceken, Sukru Gorgulu, and Omer N. Gerek

- A Structural Approach to Image Segmentation
  Daniel Gómez, Javier Montero, and Javier Yáñez

- Noisy Image Edge Detection Using an Uninorm Fuzzy Morphological Gradient
  Manuel González-Hidalgo, Arnau Mir Torres, and Joan Torrens Sastre

- Assessment of Asymmetry in Pyramidal Tract by Using Fiber Tracking
  Fatima Tensaouti, Jean Albert Lotterie, Perrine Clarisse, and Isabelle Berry

Papers by Session

- ❏ On the Use of t-Conorms in the Gravity-Based Approach to Edge Detection
  C. Lopez-Molina, H. Bustince, M. Galar, J. Fernandez, and B. De Baets

- ❏ Ignorance-Based Fuzzy Clustering Algorithm
  Aranzazu Jurio, Miguel Pagola, Daniel Paternain, Edurne Barrenechea, Jose Antonio Sanz, and Humberto Bustince

- ❏ THREECOND: An Automated and Unsupervised Three Colour Fuzzy-Based Algorithm for Detecting Nuclei in Cervical Pap Smear Images
  Fabio Vaschetto, Eduard Montseny, Pilar Sobrevilla, and Enrique Lerma

- ❏ Fusion of IKONOS Remote Sensing Filtered Images Using Shadow Information to Improve the Rate of Building Extraction in Urban Images
  M.J. Rastegar Fatemi, Seyed Mostafa Mirhassani, and Bardia Yousefi

- ❏ Introducing Type-2 Fuzzy Sets for Image Texture Modelling
  J. Chamorro-Martínez, Pedro Martínez-Jiménez, and Daniel Sánchez

Papers by Session

Hybrid Systems

❑ Integration of Graphical Modeling with Fuzzy Clustering
   for Casual Relationship of Electric Load Forecasting
   Hiroyuki Mori and Wenjun Jiang

❑ Testing for Serial Independence of the Residuals in
   the Framework of Fuzzy Rule-Based Time Series Modeling
   José Luis Aznarte M., Antonio Arauzo, and José Manuel Benítez Sánchez

❑ Efficient Computation Methods for the Kleene Star in Max-Plus
   Linear Systems
   Hiroyuki Goto and Munenori Kasahara

❑ Using Smart Sampling to Discover Promising Regions
   and Increase the Efficiency of Differential Evolution
   Vinicius V. Melo and Alexandre C.B. Delbem

Papers by Session

❑ EACImpute: An Evolutionary Algorithm for Clustering-Based Imputation

Jonathan de Andrade Silva and Eduardo R. Hruschka

Papers by Session

Intelligent Image and Signal Processing

❑ **Intracellular Volume Registration**
Shin Yoshizawa, Satoko Takemoto, Miwa Takahashi, Makoto Muroi, Sayaka Kazami,
Hiromi Miyoshi, and Hideo Yokota

❑ **Algorithm Selection for Intracellular Image Segmentation Based on Region Similarity**
Satoko Takemoto and Hideo Yokota

❑ **Effective Feature Selection for Mars McMurdo Terrain Image Classification**
Changjing Shang, Dave Barnes, and Qiang Shen

❑ **View-Independent Face Recognition with Biological Features Based on Mixture of Experts**
Alireza Hajiany, Nina Taheri Makhsoos, and Reza Ebrahimpour

❑ **Study on Mapping of Basic Elements in the Chinese Character Intelligent Formation without Character Library System**
Mingyou Liu, Wenzi Liao, and Youguo Pi

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Special Session S11: Bioinspired and Evolutionary Computation Based Data Mining Techniques

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❑ Structural Learning of Bayesian Networks by Using Variable
   Neighbourhood Search Based on the Space of Orderings
   Juan I. Alonso-Barba, Luis delaOssa, and Jose M. Puerta

❑ Binary Representation in Gene Expression Programming:
   Towards a Better Scalability
   Jose G. Moreno-Torres, Xavier Llorà, and David E. Goldberg

❑ E-tsRBF: Preliminary Results on the Simultaneous
   Determination of Time-Lags and Parameters of Radial Basis
   Function Neural Networks for Time Series Forecasting
   E. Parras-Gutierrez, V. Rivas, and M.J. del Jesus

❑ Grammatical Concept Representation for Randomised
   Optimisation Algorithms in Relational Learning
   Petr Buryan, Jiří Kubalík, and Katsumi Inoue

Papers by Session

❑ Fast Evolutionary Algorithms for Relational Clustering
Danilo Horta and Ricardo J.G.B. Campello

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- Abbou, Ahmed
- Aguilar-Ruiz, Jesús S.
- Ahluwalia, Arti
- Ahmad, Nor Bahiah
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- Aler, Ricardo
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- Alonso, José M.
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- Alonso-Barba, Juan I.
- Alqasrawi, Yousef
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- Atkinson, John
- Awawdeh, Ruba
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- Baccianella, Stefano
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- Barán, Benjamín
- Bardallo, Juan M.
- Barnes, Dave
- Barrenechea, Edurne
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- Bastos-Filho, C.J.A.
- Bedawi, Safaa M.

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- ❏ Bedini, Remo
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- ❏ Bobillo, Fernando
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- ❏ Buryan, Petr
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- ❏ Bustince, Humberto

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- ❏ Cabrerizo, Francisco J.
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- Camargo, Heloisa de A.
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Papers by Author

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- ❏ d'Amato, Claudia
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- ❏ dos Santos, J.L. Campos

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- ❏ Danti, Sabrina
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- De Rossi, D.
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- Duque, Thyago S.P.C.
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- Ebrahimpour, Reza
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- Fagundes, Roberta A.A.
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- Feng, Zuren
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- Filipe, Vitor
- Fober, Thomas
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- Formato, Ferrante Raffaele
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G

- Gacto, María José
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- Gaetano, Raffaele

Papers by Author

- Gajdoš, P.
- Galar, M.
- Galastri, Ana Letícia
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- Gambino, Orazio
- García, M.M.
- García, Salvador
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- Goble, Carole
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- Goldberg, David E.

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- ❑ Gómez, Daniel
- ❑ Gómez-Pulido, Juan A.
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