2013 13th International Conference on Intelligent Systems Design and Applications

(ISDA 2013)

Selangor, Malaysia 8-10 December 2013



IEEE Catalog Number: ISBN:

CFP13394-POD 978-1-4799-3517-8 Fusion of spectral and time domain features for crowd noise classification system *V. Ramu Reddy, Aniruddha Sinha and Guruprasad Seshadri*

High quality text-to-speech synthesis system with efficient duration models developed using coding schemes based on vowel production characteristics V. Ramu Reddy and K. Sreenivasa Rao

Application of Bayesian Reasoning for Military Identification and Classification Application of non-standardised Sensors and Sources in a Naval Defense System Albert Bodenmueller

Solving Asymmetric Traveling Salesman Problems using a Generic Bee Colony Optimization Framework with Insertion Local Search

Li-Pei Wong, Ahamad Tajudin Khader, Mohammed Azmi Al-Betar and Tien-Ping Tan

<u>Rough Set Theory Approach for Filtering Spams from boundary messages in a Chat System</u> Sanjiban Sekhar Roy, Saptarshi Charaborty, Swapnil Sourav and Ajith Abraham

<u>Self-adaptive Differential Particle Swarm using a Ring Topology for Multimodal Optimization</u> *Gonzalo Napoles, Isel Grau, Rafael Bello, Rafael Falcon and Ajith Abraham*

A Multi-agent Knowledge Expert Locating System: A Software Agent Simulation on Personal Knowledge Management (PKM) Model Scheringer Jameil, Tran Due Maurien and Model Sharifuddin Ahmed

Shahrinaz Ismail, Tran Duc Nguyen and Mohd Sharifuddin Ahmad

<u>The Impact of Refinement Strategies on Sequential Clustering Algorithms</u> Maria do Carmo Nicoletti, Eduardo Machado Real and Osvaldo Luiz de Oliveira

Detecting Deceptive Reviews Using Lexical and Syntactic Features Somayeh Shojaee, Masrah Azrifah Azmi Murad, Azreen Bin Azman, Nurfadhlina Mohd Sharef and Samaneh Nadali

<u>Towards a Generic Agent-based Simulation Model for Time-constrained Tasks</u> *Tran Nguyen, Alicia Y.C. Tang and Azhana Ahmad*

<u>Concept-based Video Retrieval Model Based On The Combination of Semantic Similarity Measures</u> Sara Memar, Lilly Suriani Affendey, Norwati Mustapha and Mohammadreza Ektefa

An Ontology-based Search Engine for Postgraduate Students Information at the Ministry of Higher Education Portal of Iraq Hazim N. Abed, Alicia Y.C. Tang and Zaihisma C. Cob

Sclera Recognition Using Dense-SIFT Abhijit Das, Umapada Pal, Miguel Angel Ferrer Ballester and Michael Blumenstein

Signature Segmentation and Recognition for Scanned Documents Ranju Mandal, Partha Pratim Roy, Umapada Pal and Michael Blumenstein An Ontology Development Approach with a focus on Human Centered Design Rizwan Iqbal, Masrah Azrifah Azmi Murad, Aida Mustapha and Nurfadhlina Mohd. Sharef

Educational Data Mining: A Case Study of Teacher's Classroom Questions Anwar Ali Yahya, Addin Osman and Ahmed Abdu Alattab

Modeling Expert Preference using the Qualitative Belief function Framework Amel Ennaceur, Zied Elouedi and Eric Lefevre

<u>PCA and LDA as Dimension Reduction for Individuality of Handwriting in Writer Verification</u> Rimashadira Ramlee, Azah Kamilah Muda and Sharifah Sakinah Syed Ahmad

Prime Order Elliptic Curve Generation Methods : A Review Saeid Bakhtiari, Subariah Ibrahim Mazleena Salleh, Majid Bakhtiari

An HTTPS approach to Resist Man in the Middle Attack in Secure SMS Using ECC and RSA Muhammad Murad Khan, Majid Bakhtiari and Saeid Bakhtiari

<u>Classifying Breast Cancer Types Based on Fine Needle Aspiration Biopsy Data Using Random Forest Classifier</u> Farzana Kabir Ahmad and Nooraini Yusoff

<u>Receiver-Based AODV Routing Protocol for MANETs</u> Abdulaziz Al-Nahari, Mohd Murtadha Mohamad and Saleh Al-Sharaeh

<u>Stimulus-stimulus Association via Reinforcement Learning in Spiking Neural Network</u> Nooraini Yusoff and Farzana Kabir Ahmad

<u>Multiple Faces Recognition in Real-Time Using Cloud Computing, Emgu CV and Windows Azure</u> Diego Von Sohsten and Sérgio Murilo

Semantic Question Answering of Umra Pilgrims to Enable Self-Guided Education Nurfadhlina Mohd Sharef, Masrah Azrifah Murad, Aida Mustapha and Saman Shishechi

<u>ULUL-ILM : The Design of Web-Based Adaptive Educational Hypermedia System Based on Learning Style</u> Bilal Luqman Bayasut, Gede Pramudya and Halizah Basiron

<u>Hybridization of Particle Swarm Optimization with adaptive Genetic Algorithm operators</u> Suraya Masrom, Irene Moser, James Montgomery, Siti Zaleha Zainal Abidin and Nasiroh Omar

Agents of Things (AoT): An Intelligent Operational Concept of the Internet of Things (IoT) Anas M Mzahm, Mohd Sharifuddin Ahmad and Alicia Y. C. Tang

Towards More Accurate and Intelligent Recommendation Systems Timo Kähärä, Keijo Haataja and Pekka Toivanen

Random Validation and Fault Detection Method in Systems Implementations Danilo Valeros Bernardo and Bee Bee Chua

An Approach for an Automatic Fracture Detection of Skull Dicom Images based on Neighboring Pixels Nirase Fathima Abubacker, Azreen Azman, Masrah Azrifah and Shyamala Doraisamy

Gait Based People Identification System using Multiple Switching Kinects Rohan Banerjee, Aniruddha Sinha and Kingshuk Chakravarty

<u>Copy Move Forgery Detection using DWT and SIFT Features</u> Mohammad Farukh Hashmi, Aaditya R. Hambarde and Avinash G. Keskar

Toward Full-text Searching Middleware over Hierarchical Documents Kun Ma, Yang Bo and Ajith Abraham

Personal and Extended Intelligence in Collective Emergence Saraswathy Shamini Gunasekaran, Salama A. Mostafa and Mohd. Sharifuddin Ahmad

"427 <u>Applying Semantic Similarity Measures to Enhance Topic-Specific Web Crawling</u> *Ali Pesaraghader, Norwati Mustapha and Ahmad Pesaranghader* Implementation of Buckwalter Transliteration to Malay Corpora

Juhaida Abu Bakar, Khairuddin Omar, Mohammad Faidzul Nasrudin, Mohd Zamri Murah and Che Wan Shamsul Bahri C. W. Ahmad

A Temporal-Focused Trustworthiness to Enhance Trust-based Recommender Systems Morteza Ghorbani Moghaddam, Norwati Mustapha, Aida Mustapha and Nurfadhlina Mohd Sharef

<u>Cloud-Mobi Framework using hybrid AHP-ACO method for Social Interaction and Travel Planning</u> Perly Thai Ee Peh, Yun-Huoy Choo and Burhanuddin M.A.

<u>3D Imaging of Human Brain in the Diagnostics of Insomnia and Depression: a Comparative Analysis, a Novel Insomnia/Depression Diagnostics Approach, and Lessons Learned</u> *Tiia Ikonen, Keijo Haataja and Pekka Toivanen*

<u>Text2MARK - A text mining tool in the aid of knowledge representation</u> Clay Palmeira da Silva, Jefferson Magalhães de Morais and Dionne Cavalcante Monteiro

A Tool for Comparing Multirelational Networks from Biology Ramona Stoica and Liviu Stirb

Compression-based similarity in EEG signals Michal Prilepok, Jan Platos, Vaclav Snasel and Ibrahim Salem Jahan

Significance Relations for the Benchmarking of Meta-Heuristic Algorithms Mario Koeppen and Kei Ohnishi

An Artificial Immune System Algorithm for Optimizing The Distributed Production Scheduling in The Semiconductor Assembly Industry Nur Ifwah Mohd Anuar, Umi Kalsom Yusof and Mohd Nor Akmal Khalid

Nur Ifwah Mohd Anuar, Umi Kalsom Yusof and Mohd Nor Akmal Khalid

Classification of SNPs for Obesity Analysis using FARNeM Modelling. Phaik-Ling Ong, Yun-Huoy Choo and Nurul Akmar Emran

Irradiance prediction using Echo State Queueing Networks and Differential Polynomial Neural Networks Sebastián Basterrech, Ladislav Zjavka, Lukaš Prokop and Stanislav Mišák

Color Fuzzy Set Design for Dental Applications L.J. Herrera, O. E. Pecho, R. Ghinea, I. Rojas, H. Pomares, A. Guillén, Ana Ionescu, J.Cardona, R. Pulgar and M.M. Perez

<u>Scalable Parallel SOM Learning for Web User Profiles</u> Lukas Vojacek, Jiri Dvorsky, Katerina Slaninova and Jan Martinovič

<u>User Behavioural Patterns and Reduced User Profiles Extracted From Log Files</u> Katerina Slaninova

An Empirical Study of L2-Boost with Echo State Networks Sebastián Basterrech

Comparison of different computational intelligent classifier to autonomously detect cardiac pathologies diagnosed by ECG Olga Valenzuela, F.Rojas, L.J.Herrera, F.Ortuño, H.Pomares and I.Rojas

Rotation Invariant Texture Feature Based on Spatial Dependence Matrix for Timber Defect Detection Ummi Raba'Ah Hashim, Azah Kamilah Muda, Siti Zaiton Mohd Hashim, and Mohammad Babrdel Bonab

<u>A Baseline Time Series Data Mining Model for Forecasts in Port Logistics and Economics</u> Ana Ximena Halabi Echeverry, Deborah Richards and Ayse Bilgin

Extracting Workflow Structures through Bayesian Learning and Provenance Data Mahsa Naseri and Simone A. Ludwig

<u>A Review of Cyberbullying Detection : An Overview</u> Samaneh Nadali, Masrah Azrifah Azmi Murad, Nurfadhlina Mohamad Sharif, Aida Mustafa and Somayeh Shojaee

Feature Extraction Process: A Phishing Detection Approach

Ahmad Abunadi, Oluwatobi Akanbi and Anazida Zainal

Spam detection using hybrid Artificial Neural Network and Genetic Algorithm Anas Arram, Hisham Mousa and Anazida Zainal

<u>A Review of Anonymous Authentication Mechanisms for Health Information Management Systems</u> Shukor bin Abd Razak and Muhammad Syafiq bin Samsi

Identification of Spam Email Based on Information from Email Header Dr. Shukor Abd Razak and Ahmad Fahrulrazie bin Mohamad

The Potential Effectiveness of the Detection of Pulsed Signals in the Non-Uniform Sampling Arthur Smirnov, Stanislav Vorobiev and Ajith Abraham

<u>The Influence of Depression on Deactivation and Neural Correlates During Mental Arithmetic Tasks</u> Shigang Feng, Wei Wang, Liang Chen, Hongyu Fan, Ajith Abraham and Jianlin Wu

A Fuzzy Approach to Object Segmentation Using Depth Image Yong Hao, Lifeng He, Tsuyoshi Nakamura and Yuyan Chao

On the Efficient Traversal of the Itemset Lattice: A Literature Review Luigi Troiano, Giacomo Scibelli

Eault Identification by Incomplete, Asynchronous and Partially Unforeseen Events Luigi Troiano, Maria Carmela Vitelli