2014 Science and Information Conference

(SAI 2014)

London, United Kingdom 27-29 August 2014

Pages 523-1042



IEEE Catalog Number: CI ISBN: 97

CFP14SAA-POD 978-1-4799-3981-7

Contents

Section 1: Keynotes, Invited Talks and Tutorials

	KEYNOTE SPEAKER	
	Ann Cavoukian, Ph.D Data, Data Everywhere – The Need for Big Privacy in a World of Surveillance and Big Data	18
	Dr Helen Papagiannis - Augmented Reality and its past, present, and future	19
	INVITED TALKS	
	Professor David Stupples - Is it possible to "cyberjack" modern airplanes?	20
	Professor Nikola Šerbedžija - Complexity of Autonomous Behaviors - If You were a Robot you would better Understand	21
	Professor Mischa Dohler - The Dawn of Connected Machines	21
	Professor Frank Zhigang Wang - How will computers evolve over the next 10 years?	22
	Professor Kohei Arai - Computer input with human eyes only and its applications	22
	Tutorials	
	Bob Nugent - Beyond the battery—assessing the future of unmanned underwater vehicle propulsion	23
	Tariq Jamil - An Introduction to Complex Binary Number System and Associative Dataflow Processor	24
	Tutorial Paper: Incorporating Complex Binary Numbers into Associative Dataflow Architecture Authors: Tariq Jamil	25-30
Section 2	2 : Paper Presentations	
	TECHNOLOGY TRENDS	
	Towards a Composite Index for Measuring the Higher Education Institutions in Egypt Authors: Mohamed Rashad M El-Hefnawy, Ali Hamed El-Bastawissy, Mona Ahmed Kadry A Quantitative Analysis of Cloud Users' Satisfaction and Data Security in Cloud Models	31-41 42-47
	Authors: Munwar Ali Zardari, Low Tang Jung, Nordin Zakaria	72 77
	How Many Participants are Really Enough for Usability Studies?	48-56
	Authors: Roobaea AlRoobaea, Pam J. Mayhew	10 30
	Understanding the User Experience (UX) Factors that Influence User Satisfaction in Digital Culture Heritage Online Collections for Non-Expert Users Authors: Zaihasriah Zahidi, Yan Peng Lim, Peter Charles Woods	57-63
	Enabling Scalable Publish/Subscribe for Logical-Clustering in Crowdsourcing via MediaSense	64-71
	Authors: Hasibur Rahman, Rahim Rahmani, Theo Kanter	
	Safety Analysis of Clinical Workflows: The Case of the Workflow within a Radiology Department	72-78
	Authors: Lamis Al-Qoran, Septavera Sharvia, Neil Gordon, Martin Walker	
	MCACC: New Approach for Augmenting the Computing Capabilities of Mobile Devices with Cloud Computing	79-86
	Authors: Mostafa A. Elgendy, Ahmed Shawish, Mahmoud I. Moussa	
	Integration of Material Flow Cost Accounting and ERP Software	87-92
	Authors: Mei Sun, Yongchao Sun	
	A Novel Phylogenetic Tree Data Visualization Application for Researchers	93-99
	Authors: Shahzaib Tahir, Muhammad Tanvir Afzal	

Clique Structure and Node-Weighted Centrality Measures to Predict Distribution Centre Location in the Supply Chain Management Authors: Amidu A. G. Akanmu, Frank Z. Wang, Fred A. Yamoah	100-111
An Effective Subsequence-to-Subsequence Time Series Matching Approach	112-122
Authors: Vineetha Bettaiah, Heggere S Ranganath	
Multi-Objective Evolution of Airline Networks Using Socioeconomic-nvironmental Data	123-132
Authors: Hidefumi Sawai, Aki-Hiro Sato	
Contextual Transition System for π-calculus	133-139
Authors: Masaki Murakami, Takami Sasaki	
GPU Cluster for Accelerated Processing and Visualisation of Scientific and Engineering Data	140-145
Authors: Matthew Newall, Violeta Holmes, Paul Lunn	
Detecting Cognitive Stress from Keyboard and Mouse Dynamics during Mental Arithmetic	146-152
Authors: Yee Mei Lim, Aladdin Ayesh, Martin Stacey	
Graph clutter filtering based on connectivity distance and visibility	153-158
Authors: Jan Mojzis, Michal Laclavık	
INTELLIGENT SYSTEMS	
Computation of All Possible Maximal Cliques of a Weakly Triangulated Graph in Polynomial Time	159-168
Authors: Sumana Bandyopadhyay, Rajat Kumar Pal	
Rotation-invariant Silhouettes Recognition in the presence of occlusion	169-174
Authors: Amina AIT AOUDIA, Saliha AOUAT	
Traversing directed cyclic and acyclic graphs using modified BFS algorithm	175-181
Authors: Ishwar Baidari, Ajith Hanagawadimath	
Constructing a Uyghur Language Semantic Lexicon Based on WordNet	182-186
Authors: Rena Aierken, Li Xiao, Anwar Tohti, Zhang Mao Jiang	
Machine Translation-A Journey	187-195
Authors: Promila Bahadur, Durg Singh Chauhan	
Creating an Intelligent Evaluation System for Cultural Intelligence	196-206
Authors: Zhao Xin Wu, Li Zhou	
Using Simulation to model of SCM Libyan cement factory	207-212
Authors: Elbahlul.M.Abogrean	
Practical Application of Bridge Rating Expert System to an Aged Bridge	213-220
Authors: Hisao Emoto, Jun Takahashi, Ayaho Miyamoto	
Probabilistic Roadmaps and Hierarchical Genetic Algorithms for Optimal Motion Planning	221-225
Authors: Abdelhalim Lakhdari, Nouara Achour	
TLNL: A Novel Two Level Node Labeling algorithm for Frequent Pattern Trees	226-233
Authors: R.Siva Rama Prasad, N.S.Kalyan Chakravarthy, D.Bujji Babu	
The Problem of Computing k-Disjoint Maximal Cliques Covering a Maximum Number of Vertices for Weakly Triangulated Graph	234-241
Authors: Sumana Bandyopadhyay, Rajat Kumar Pal	
Formation of Algorithms Module and Dynamic Interface in Web Mining and Storage Process to	242-246
Retrieve Metadata	
Authors: Bineet Kumar Gupta, Mohd Hussain, Neeraj Kumar Tiwari	
Survey on Adaptation Techniques of Energy Consumption within a Smartphone	247-253
Authors: Khalil Ibrahim HAMZAOUI, Mostafa AZIZI, Gilles GRIMAUD, Mohammed BERRAJAA,	
Abdelkader BETARI	

Time Efficient Demon Algorithm for Graph Coloring with Search Cut-off Property	254-259
Authors: Amani A. Alahmadi, Taghreed M. Alamri, Manar I. Hosny	
A Mutation-Based Genetic Algorithm for Room and Proctor Assignment in Examination Scheduling Authors: Manar Hosny, Muhrah Al-Olayan	260-268
Feature Selection in Meta Learning Framework	269-275
Authors: Samar Shilbayeh, Sunil Vadera	
Intelligent Fuzzy Classifier for Pre-Seizure Detection from Real Epileptic Data	276-279
Authors: Mohamed Shakir, Aamir Saeed Malik, Nidal Kamel, Uvais Qidwai	
Quantum Inspired Evolutionary Algorithms with Parametric Analysis	280-290
Authors: Amgad. M. Mohammed, N. A. Elhefnawy, Mahmoud. M. El-Sherbiny, Mohiy M.Hadhoud	
Correlated Community Estimation Models Over a Set of Names	291-301
Authors: Suresh Veluru, Yogachandran Rahulamathava, Suresh Manandhar, Muttukrishnan	
Rajarajan	
Data structures and algorithms for topological analysis	302-312
Authors: Jean-Marc CANE, George M.TZOUMAS, Dominique MICHELUCCI Le2i, Marta HIDALGO, Sebti FOUFOU	
Using DL-Reasoner for Hierarchical Multilabel Classification applied to Economical e-News	313-320
Authors: David WERNER, Nuno SILVA, Christophe CRUZ, Aurelie BERTAUX	
An Optimized Single-Finger Arabic Keyboard Layout	321-328
Authors: Manar I. Hosny, Nourah Alswaidany, Abir Benabid Najjar	
Detecting Emotional Stress during Typing Task with Time Pressure	329-338
Authors: Yee Mei Lim, Aladdin Ayesh, Martin Stacey	
MACHINE VISION	
A Fully Visual Based Business Document Classification System	339-344
Authors: Ignazio Infantino, Umberto Maniscalco, Dario Stabile, Filippo Vella	
ParFor and Co-Distributor Parallel Approaches for Implementing Fractal Image Compression Based Genetic Algorithm	345-350
Authors: Omaima N. Ahmad AL-Allaf	
Spelled Sentence Recognition Using Radon Transform	351-354
Authors: Rajeshree S. Rokade, Dharmpal D. Doye	
New Computational Complexity Analysis for a Spatial Segmentation Algorithm	355-363
Authors: Dumitru Dan BURDESCU, Marius BREZOVAN, Liana STANESCU, Cosmin STOICA	
SPAHIU	
SPAHIU Performance Evaluation of Quality Measurement for Super-Resolution Satellite Images	364-371
	364-371
Performance Evaluation of Quality Measurement for Super-Resolution Satellite Images	364-371 372-378
Performance Evaluation of Quality Measurement for Super-Resolution Satellite Images Authors: Hatem Magdy Keshk , Ashraf S. Ali, Moustafa Abdel-Aziem M., M.A.Assal	
Performance Evaluation of Quality Measurement for Super-Resolution Satellite Images Authors: Hatem Magdy Keshk, Ashraf S. Ali, Moustafa Abdel-Aziem M., M.A.Assal A Survey of Feature Selection and Feature Extraction Techniques in Machine Learning	
Performance Evaluation of Quality Measurement for Super-Resolution Satellite Images Authors: Hatem Magdy Keshk, Ashraf S. Ali, Moustafa Abdel-Aziem M., M.A.Assal A Survey of Feature Selection and Feature Extraction Techniques in Machine Learning Authors: Samina Khalid, Tehmina Khalil, Shamila Nasreen	372-378
Performance Evaluation of Quality Measurement for Super-Resolution Satellite Images Authors: Hatem Magdy Keshk, Ashraf S. Ali, Moustafa Abdel-Aziem M., M.A.Assal A Survey of Feature Selection and Feature Extraction Techniques in Machine Learning Authors: Samina Khalid, Tehmina Khalil, Shamila Nasreen Parallelepipedic Shape Modeling for Moving Objects in Video Surveillance Systems	372-378
Performance Evaluation of Quality Measurement for Super-Resolution Satellite Images Authors: Hatem Magdy Keshk, Ashraf S. Ali, Moustafa Abdel-Aziem M., M.A.Assal A Survey of Feature Selection and Feature Extraction Techniques in Machine Learning Authors: Samina Khalid, Tehmina Khalil, Shamila Nasreen Parallelepipedic Shape Modeling for Moving Objects in Video Surveillance Systems Authors: Amal Ben Hamida, Mohamed Koubaa, Chokri Ben Amar, Henri Nicolas	372-378 379-283
Performance Evaluation of Quality Measurement for Super-Resolution Satellite Images Authors: Hatem Magdy Keshk, Ashraf S. Ali, Moustafa Abdel-Aziem M., M.A.Assal A Survey of Feature Selection and Feature Extraction Techniques in Machine Learning Authors: Samina Khalid, Tehmina Khalil, Shamila Nasreen Parallelepipedic Shape Modeling for Moving Objects in Video Surveillance Systems Authors: Amal Ben Hamida, Mohamed Koubaa, Chokri Ben Amar, Henri Nicolas Toward Scalable Application-Oriented Video Surveillance Systems	372-378 379-283
Performance Evaluation of Quality Measurement for Super-Resolution Satellite Images Authors: Hatem Magdy Keshk, Ashraf S. Ali, Moustafa Abdel-Aziem M., M.A.Assal A Survey of Feature Selection and Feature Extraction Techniques in Machine Learning Authors: Samina Khalid, Tehmina Khalil, Shamila Nasreen Parallelepipedic Shape Modeling for Moving Objects in Video Surveillance Systems Authors: Amal Ben Hamida, Mohamed Koubaa, Chokri Ben Amar, Henri Nicolas Toward Scalable Application-Oriented Video Surveillance Systems Authors: Amal Ben Hamida, Mohamed Koubaa, Chokri Ben Amar, Henri Nicolas	372-378 379-283 384-388

A Novel Lip-reading Method using RGB-D Camera	394-398
Authors: Rashed Mustafa, Dingju Zhu A Model for Work Distribution in Global Software Development Based on Machine Learning Techniques	399-403
Authors: Abdulrhman Alsri, Sultan Almuhammadi, Sajjad Mahmood	
An ontology based approach for inferring multiple object events in surveillance domain	404-409
Authors: Mohammed Yassine KAZI TANI, Abdelghani GHOMARI, Hacene BELHADEF, Adel LABLACK, Ioan Marius BILASCO	
HEALTH CARE SYSTEMS	
Classification of Major Depressive Disorder Subjects using Pre-rTMS Electroencephalography Data with Support Vector Machine Approach Authors: Turker Erguzel, Serhat Ozekes, Ali Bayram, Nevzat Tarhan	410-414
Experimenting the Dendrite Cell Algorithm for Disease Outbreak Detection Model	415-421
Authors: Mohamad Farhan Mohamad Mohsin, Abdul Razak Hamdan, Azuraliza Abu Bakar	.10 .11
Enhanced Leukemia Cancer Classifier Algorithm	422-429
Authors: Ahmed Abd El-Nasser, Mohamed Shaheen, Hesham El-Deeb	
Predicting students blood pressure by Artificial Neuron Network	430-437
Authors: Shazada Muhammad Umair Khan, Javaria Manzoor Shaikh	
Review of Machine Learning Techniques for Glaucoma Detection and Prediction	438-442
Authors: Tehmina Khalil, Samina Khalid, Adeel M. Syed	
Ontology Based DataBase for Computer Medical System	443-446
Authors: Zina Nakhla, Kaouther Nouira	
Mobile application KneeCare to support knee rehabilitation	447-451
Authors: Lakhveer Bhachu, Larisa N. Soldatova, Irena Spasic, Kate Button	
Robust Biomarker Discovery for Cancer Diagnosis Based on Meta-Ensemble Feature Selection	452-460
Authors: Anouar BOUCHEHAM, Mohamed BATOUCHE	
Modeling and Enforcing Security and Service Control Policies using FlexRFID Middleware	461-467
Authors: Mehdia Ajana El Khaddar, Mhammed Chraibi, Hamid Harroud, Mohammed Boulmalf, Mohammed Elkoutbi, Abdelilah Maach	
ECG Signal Compression using Hybrid 1D and 2D Wavelet Transform	468-472
Authors: Surekha K.S, B. P. Patil	
Neural Networks	
Artificial Intelligence Theory	473-480
Authors: Vitaliy Yashchenko	
Linear, Fuzzy and Neural Networks models for definition of baseline consumption	481-487
Authors: Henrique R. M. L. Pombeiro, Carlos A. S. Silva	
Arguments for Nested Patterns in Neural Ensembles	488-492
Authors: Kieran Greer	
An on - line learning algorithm using the decomposition and coordination of a neural network	493-498
Authors: Stanislaw Placzek	
Surrogate Reservoir Modeling—Prediction of Bottom-Hole Flowing Pressure using Radial Basis Neural Network	499-504
Authors: Paras Q. Memon, Suet-Peng Yong, William Pao, Pau J. Sean	

SECURITY

Experimental Study of Thumbprint-Based Authentication Framework for ATM Machines	505-514
Authors: Iwasokun Gabriel Babatunde, Akinyokun Oluwole Charles, Dehinbo Johnson Olumuyiwa	
CAC-UA: a Communicating Ant for Clustering to detect Unknown Attacks	515-522
Authors: Mokrane Kemiche, Rachid Beghdad	
Grounding the Component of Cyber Terrorism Framework Using the Grounded Theory	523-529
Authors: Zahri Yunos, Rabiah Ahmad, Mariana Yusoff	
Using MetaXA for Theft Detection	530-537
Authors: Irina Astrova, Carsten Kleiner, Arne Koschel, Stefan Nitz	
A survey of the mitigation methods against DoS attacks on MANETs	538-544
Authors: Albandari Alsumayt, John Haggerty	
Intelligent phishing detection parameter framework for E-banking transactions based on Neuro-fuzzy	545-555
Authors: P. A. Barraclough, M.A. Hossain, G. Sexton, N. Aslam	
Enhancing Detection Rate in Database Intrusion Detection System	556-563
Authors: Udai Pratap Rao, Nikhil Kumar Singh, Akash R. Amin, Kushal Sahu	
Intrusion Detection System Using Genetic Algorithm	564-568
Authors: Salah Eddine Benaicha, Lalia Saoudi, Salah Eddine Bouhouita Guermeche, Ouarda Lounis	
Factors in Sharing Sensitive Security Information	569-575
Authors: Ian Bryant	
Visual Secret Sharing with Meaningful Shares	576-580
Authors: Shyong Jian Shyu	
Biometric Identity-Based Cryptography for e-Government Environment	581-588
Authors: Dania Aljeaid, Xiaoqi Ma, Caroline Langensiepen	
A new algorithm for detecting SQL injection attack in Web application	589-594
Authors: Ouarda Lounis, Salah Eddine Bouhouita Guermeche, Lalia Saoudi, Salah Eddine Benaicha	
A Case Study on Web Application Vulnerability Scanning Tools	595-600
Authors: Nor Izyani Daud, Khairul Azmi Abu Bakar, Mohd Shafeq Md Hasan	
Adaptive Authentication based on Analysis of User Behavior	601-606
Authors: Khairul Azmi Abu Bakar, Galoh Rashidah Haron	
An Innovative Framework for Collaborative Intrusion Alert Correlation	607-614
Authors: Huwaida Tagelsir Ibrahim Elshoush	
Fuzzy Matching Engine for Non-textual Authentication: a case study	615-619
Authors: J.M. Escano, J.C. Stockdale, J. Liang, A. Vakaloudis	
SMP-Based Service Matching	620- 625
Authors: Hosam AlHakami, Feng Chen, Helge Janicke	
Intrusion Detection in SCADA systems using Machine Learning Techniques	626-631
Authors: Leandros A. Maglaras, Jianmin Jiang	
COMMUNICATION	
BCP: A Border Coverage Protocol for Wireless Sensor Networks	632-640
Authors: AliDabba, Rachid Beghdad	

Elevation impact on Signal to Spectral Noise Density Ratio for Low Earth Orbiting Satellite Ground Station at S-Band Authors: Shkelzen Cakaj, Bexhet Kamo, Algenti Lala, Alban Rakipi	641-645
Time- Dependent Exchange Perturbation Theory	
Authors: Elena V. Orlenko, Fedor E. Orlenko	
Algorithm for Seamless Vertical Handover in Heterogeneous Mobile Networks	652-659
Authors: Omar Khattab, Omar Alani	002 000
Non Linearity Equalization for Coherent Optical OFDM Modem	660-665
Authors: Sofien Mhatli, Bechir nsiri, Mutsam.A.Jarajreh, Malek channoufi, Rabah Attia	
Implementation of Trusted Multitier method for Intrusion Detection in Mobile ad Hoc Networks with DSR Algorithm	666-673
Authors: Sunil Phulre, Pratima Gautam, Sadhna K. Mishra	
Variable Size Burst Routing Technique for Burst Loss Reduction in OBS networks Authors: Amit Gupta	674-677
Maximizing Bandwidth in Wireless Sensor Networks using TDMA Protocol	678-684
Authors: Tarek Azizi, Rachid Beghdad	0,000.
Renyi entropy dimension of the mixture of measures	685-689
Authors: Marek Smieja, Jacek Tabor	
Multi-Platform Performance Evaluation of Digital Fountain Based Transport	690-697
Authors: Zoltan Moczar, Sandor Molnar, Balazs Sonkol	
8	
SOFTWARE ENGINEERING	
Enterprise Application Integration as a Middleware: Modification in Data & Process Layer	698-701
Authors: Abdullah AL-Malaise AL-Ghamdi, Farrukh Saleem	702 700
Externalist Philosophy and Interaction: Proposal of Heuristics for the Design of Interactive Systems	702-708
Authors: Beatriz de Almeida Pacheco, Ilana de Almeida Souza-Concilio	700 743
Process for the development of Embedded System following the practices of CMMI Level 2	709-713
Authors: Magda A. Silverio Miyashiro, Maurício G. V. Ferreira	714 710
Utility Evaluation of a Component Model Selection Framework Authors: Hazleen Aris	714-719
	720 721
Defining and Formalising Project Management Models and Processes	720-731
Authors: Ravinder Singh, Kevin Lano	
VIRTUAL REALITY	
Merged Reality Systems	732-735
Authors: Ralph Moseley	
Interactive Environment for Affective Visual Analysis of Large Data within Virtual Reality	736-741
Authors: Sergey V. Kovalchuk, Aleksey A. Bezgodov, Denis M. Terekhov, Alexander V. Boukhanovsky	
Gait Analysis Data Visualisation in Virtual Environment	742-751
Authors: Salsabeel F. M. Alfalah, Warren Chan, Soheeb Khan, Jannat Falah, Tasneem Alfalah, David K. Harrison, Vassilis Charissis	
Virtual Reality Medical Training System for Anatomy Education	752-758
Authors: Jannat Falah, Soheeb Khan, Salsabeel F. M. Alfalah, Tasneem Alfalah, Warren Chan, David K. Harrison, Vassilis Charissis	
24.74 7.74 7.45 7.45 7.45 7.45 7.45 7.45	

Witness Computation for Solving Geometric Constraint Systems	759-770
Authors: Arnaud Kubicki, Dominique Michelucci, Sebti Foufou	
SOCIAL COMPUTING	
Exploring Relevance Assessment using Crowdsourcing for Faceted and Ambiguous Queries	771-776
Authors: Sri Devi Ravana, Parnia Samimi, Parisa Dabir Ashtyani	
Utilizing Deep Learning for Content-based Community Detection	777-784
Authors: Hassan Abbas Abdelbary, Abeer Mohamed ElKorany, Reem Bahgat	
Suicide Detection System Based on Twitter	785-788
Authors: KASTURI DEWI VARATHAN, NURHAFIZAH TALIB	
Comparing and Evaluating the Sentiment on Newspaper Articles: A Preliminary Experiment	789-792
Authors: S Padmaja, S Sameen Fatima, Sasidhar Bandu, Pooja Kosala, M C Abhignya	
Objective Information Theory: A Sextuple Model and 9 Kinds of Metrics	793-802
Authors: Jianfeng Xu, Jun Tang, Xuefeng Ma, Bin Xu, Yanli Shen, Yongjie Qiao	
An Exploration of Semantic Tendencies in Word of Mouth Business Reviews	803-809
Authors: David W. Vinson, Rick Dale	
Process Recommendation and Role Assignment in Social Business Process Management	810-818
Authors: Mohammad Ehson Rangiha, Bill Karakostas	
New Information Retrieval Model	819-826
Authors: Shawki A. Al-Dubaee	
Identifying Multi-Regime Behaviors of Memes in Twitter Data	827-837
Authors: Christopher Griffin, Anna C. Squicciarini, Steven Styer	
Design and Architecture of a Friend Recommender System in the Social Bookmarking Domain	838-842
Authors: Matteo Manca, Ludovico Boratto, Salvatore Carta	
ELECTRONICS	
Position Based Energy-Efficient Clustering Protocol under Noisy Environment for sensor Networks	843-849
using Fuzzy Logic Technique Authors: Ravendra Singh, Itika Gupta, A. K. Daniel	
Hardware Realization of Discrete Convolution Using CORDIC and Vedic Multiplier	850-854
Authors: Prabha S. Kasliwal, Gaurav Bhand, B.P. Patil	630-634
Design of Quantum Gravity Sensor by Curvature Energy and their Encoding	855-861
Authors: Francisco Bulnes	833-801
FPGA Based Implementation of Pulse Parameters Measurement	862-867
Authors: RK Niranjan, B. Rajendra Naik	002 007
The Effect of Microlenses in Photodiodes' Dark Current Measurement	868-870
Authors: R. P. Rocha, M. J. Maciel, J. M. Gomes, J. H. Correia, J. P. Carmo	
A Hybrid Least Mean Square/Sample Matrix Inversion Algorithm Using Microstrip Antenna Array	871-876
Authors: Wael A. E. Ali, Adel H. G. Hassan	
A Novel Low Power Hybrid Flipflop Using Sleepy Stack Inverter Pair	8 7-881
Authors: Helga Evangelene, Rajkumar Sarma	
Multi-Spin Spacecraft and Gyrostats as Dynamical Systems with Multiscroll Chaotic Attractors	882-887
Authors: Anton V. Doroshin	

E-LEARNING

Where to Ask and How to Ask? The Case of Community Question Answering Sites	888-895
Authors: Alton Y. K. Chua, Snehasish Banerjee	
Reducing Cognitive Workload During 3D Geometry Problem Solving with an App on iPad	896-900
Authors: David BERTOLO, Jerome DINET, Robin VIVIAN	
A Framework for Rating Synchronous Video E-Learning Applications	901-905
Authors: Alex Vakaloudis, Juan Manuel Escaño	
Mobile Learning-system usage: An integrated framework to measure students' behavioural intention	906-911
Authors: Saleh Alharbi, Steve Drew	
OpenGL assisted dynamically 4-Dimensional animation e-textbook associated with Perovskit di- electrics	912-920
Authors: Kazu-masa YAMADA, Nobuaki MATSUHASHI	
The Use of Structural Modelling Methods for Analysis of Personalized Study Planning	921-926
Authors: Raita Rollande, Janis Grundspenkis, Antons Mislevics	
Empirical Study in Nigeria on effective implementation of Web 2.0 technology tools in learning: Case study of three Nigerian Higher institutions Authors: Razep Echeng, Abel Usoro	927-932
Options of GPSS World for integrated demonstration models in the educational process	933-937
Authors: Svetlana Zhelyazkova Vasileva, Alina Kulchiar	
E-BUSINESS	
Applauses in Hotel Reviews: Genuine or Deceptive?	938-942
Authors: Snehasish Banerjee, Alton Y. K. Chua	
Sustainable E2 Mobility Services for Elderly People - Platform System Architecture	943-948
Authors: Djamel Khadraoui, Hedi Ayed, Damien Nicolas	
Information Management of a Global Reserve Currency	
Authors: Mario W. Cardullo	
Authors: Mario W. Cardullo The Impact of Usability on E-Marketing Strategy in International Tourism Industry	961-966
	961-966
The Impact of Usability on E-Marketing Strategy in International Tourism Industry	961-966 967-973
The Impact of Usability on E-Marketing Strategy in International Tourism Industry Authors: Roobaea AlRoobaea, Pam J. Mayhew	
The Impact of Usability on E-Marketing Strategy in International Tourism Industry Authors: Roobaea AlRoobaea, Pam J. Mayhew Building a Conceptual Framework for Mobile Transaction in Saudi Arabia: A User's Perspective	
The Impact of Usability on E-Marketing Strategy in International Tourism Industry Authors: Roobaea AlRoobaea, Pam J. Mayhew Building a Conceptual Framework for Mobile Transaction in Saudi Arabia: A User's Perspective Authors: Mohammed A. Alqahtani, Roobaea S. AlRoobaea, Pam J. Mayhew Workflow Re-engineering through Introduction of Concurrency	967-973
The Impact of Usability on E-Marketing Strategy in International Tourism Industry Authors: Roobaea AlRoobaea, Pam J. Mayhew Building a Conceptual Framework for Mobile Transaction in Saudi Arabia: A User's Perspective Authors: Mohammed A. Alqahtani, Roobaea S. AlRoobaea, Pam J. Mayhew Workflow Re-engineering through Introduction of Concurrency Authors: Laird Burns, Wai Yin Mok, Wes N. Colley	967-973
The Impact of Usability on E-Marketing Strategy in International Tourism Industry Authors: Roobaea AlRoobaea, Pam J. Mayhew Building a Conceptual Framework for Mobile Transaction in Saudi Arabia: A User's Perspective Authors: Mohammed A. Alqahtani, Roobaea S. AlRoobaea, Pam J. Mayhew Workflow Re-engineering through Introduction of Concurrency	967-973 974-983
The Impact of Usability on E-Marketing Strategy in International Tourism Industry Authors: Roobaea AlRoobaea, Pam J. Mayhew Building a Conceptual Framework for Mobile Transaction in Saudi Arabia: A User's Perspective Authors: Mohammed A. Alqahtani, Roobaea S. AlRoobaea, Pam J. Mayhew Workflow Re-engineering through Introduction of Concurrency Authors: Laird Burns, Wai Yin Mok, Wes N. Colley An Empirical Investigation of IT Project Success in Developing Countries	967-973 974-983
The Impact of Usability on E-Marketing Strategy in International Tourism Industry Authors: Roobaea AlRoobaea, Pam J. Mayhew Building a Conceptual Framework for Mobile Transaction in Saudi Arabia: A User's Perspective Authors: Mohammed A. Alqahtani, Roobaea S. AlRoobaea, Pam J. Mayhew Workflow Re-engineering through Introduction of Concurrency Authors: Laird Burns, Wai Yin Mok, Wes N. Colley An Empirical Investigation of IT Project Success in Developing Countries Authors: Abdulaziz I. Almajed, Pam Mayhew	967-973 974-983 984-990
The Impact of Usability on E-Marketing Strategy in International Tourism Industry Authors: Roobaea AlRoobaea, Pam J. Mayhew Building a Conceptual Framework for Mobile Transaction in Saudi Arabia: A User's Perspective Authors: Mohammed A. Alqahtani, Roobaea S. AlRoobaea, Pam J. Mayhew Workflow Re-engineering through Introduction of Concurrency Authors: Laird Burns, Wai Yin Mok, Wes N. Colley An Empirical Investigation of IT Project Success in Developing Countries Authors: Abdulaziz I. Almajed, Pam Mayhew Developing Reusable .NET Software Components	967-973 974-983 984-990
The Impact of Usability on E-Marketing Strategy in International Tourism Industry Authors: Roobaea AlRoobaea, Pam J. Mayhew Building a Conceptual Framework for Mobile Transaction in Saudi Arabia: A User's Perspective Authors: Mohammed A. Alqahtani, Roobaea S. AlRoobaea, Pam J. Mayhew Workflow Re-engineering through Introduction of Concurrency Authors: Laird Burns, Wai Yin Mok, Wes N. Colley An Empirical Investigation of IT Project Success in Developing Countries Authors: Abdulaziz I. Almajed, Pam Mayhew Developing Reusable .NET Software Components Authors: Muthu Ramachandran, Gopal Singh Jamnal	967-973 974-983 984-990 991-996

Section 3: Poster Presentations

Performance Amelioration of Microstrip Patch Antennas using Superconducting Thin Films at the High	1002-1004
Temperature of Transition	
Authors: Abdelkrim Belhedri, Abderraouf Messai, Boualem Mekimah	
Information Privacy Risk Assessment of Facebook Graph Search	1005-1006
Authors: Deveeshree Nayak, Summer Prince, Rosario Robinson	
UARE: Using Reality-Virtually-Reality (RVR) Models to Construct Ubiquitous AR Environment for e-	
Learning Context	1007-1010
Authors: Jia Zhang, Huei-Tse Hou, Kuo-En Chang	
Use of Transatlantic Telebroncoscopy to Confirm Proper Endotracheal Tube Placement During a	1011-1013
Simulated Chemical, Biological, Radiological or Nuclear or Explosive (CBRNE) Event	
Authors: Chad Branecki, Ben Boedeker, Michelle Schwedhelm, Elizabeth Beam, Major Ali	
Turabi, Colonel Shawn Nessen, David Boedeker	
Coexistence and Interference Tests on a Bluetooth Low Energy Front-End.	1014-1018
Authors: Sergio Silva, Salviano Soares, Telmo Fernandes, Antonio Valente, Antonio Moreira	
Sense of Presence in Interacting with Online Exhibitions	1019-1022
Authors: Jazmi Izwan Jamal, Zaihasriah Zahidi	
Mobile Element Based Localization and Tracking Using Path-Loss Model in WSNs	1023-1026
Authors: Rashid Ahmed, John N. Avaritsiotis	
Static and Time-Dependent Shortest Path through an Urban Environment	1027-1029
Authors: Wedad Alhoula, Joanna Hartley	
Towards a New Approach for Video Database Semantic Annotation	1030-1033
Authors: Lamia Fatiha DALI YOUCEF, Abdelghani GHOMARI, Mohammed Yassine KAZI TANI	
Virtual Reality Applications in Manufacturing System : A Review	1034-1037
Authors: Nur Suraya Sahol Hamid, Faieza Abdul Aziz, Amir Azizi	
RTSVM: Real Time Support Vector Machines	
Authors: Fahmi Ben Rejab, Kaouther Nouira, Abdelwahed Trabelsi	