2009 International Conference on the Current Trends in **Information Technology**

(CTIT 2009)

Dubai, United Arab Emirates 15 – 16 December 2009



IEEE Catalog Number: CFP0904J-PRT **ISBN**:

978-1-4244-5754-0

Table of Contents CTIT'09

The 2009 Conference on Current Trends in Information Technology

Title	Page Number
Enhancing Human-Computer-Interaction in Collaborative Virtual Environment Nasser Nassiri, Norman Powell and David Moore	1
Cache Replacement Engine: A fuzzy Logic Approach Hassan Diab, Ali Kashani, Ahmad Nasri	7
Social Networks as a Service in Modern Enterprises Zakaria Maamar and Youakim Badr	14
Formalism for High Level Specification of Parallel/Distributed Languages Amala VijayaSelvi Rajan, Geetha Abeysinghe and Arumugam Siri Bavan	19
A Pattern-Based Residual Vector Quantization (PBRVQ) Algorithm For Compressing Images Somasundaram K and Mary M	26
Coping with Current Web Evolution: The Miniconference Approach Hend AL-KHALIFA	33
Ethical values and practices for Cyber Society Ajeet poonia, Awadesh Bhardwaj and G. S Dangayach	39
SemQ: A Proposed Framework for Representing Semantic Opposition in the Holy Quran using Semantic Web Technologies Hend S. Al-Khalifa, Maha M. Al-Yahya, Alia Bahanshal, Iman Al-Odah	44
Executable Specification And Prototyping of Network Protocols using UML and JAVA Chandrasekaran K and Gnanamurthy RK	48

Middleware Architecture for Intelligence in Vehicular Safety over VANET (InVANET) Gnanamurthy Ramasamykannan, Saravanan Kannan and Arunkumar Thangavelu	54
Using Social Network Analysis for Software Project Management Panos Fitsilis, Vasillios Gerogiannis, Leonidas Anthopoulos and Achilles Kameas	61
The Linux Review – Ubuntu Desktop Edition - version 8.10 Budoor Al Housani, Bakhita Mutrib and Hend Jaradi	67
A new method for measuring Auto-fluorescence changes in Neovascular-AMD after intravitreal injection of Bavecizumab Mohammad Norouzifard, Ali Soleymani and Jamshid Shanbehzadeh	73
A Blind Block Based DCT Watermarking Technique for Gray Level Images Using One Dimensional Walsh Coding Kamal Ahmed, Hussain Al Ahmed and Patrick Gaydecki	79
Wii Remote-enhanced Hand-Computer Interaction for 3D Medical Image Analysis Luigi Gallo and Mario Ciampi	85
Performability Modelling of a Kerberos Server with Frequent Key Renewal under Pseudo-Secure Conditions for Increased Security Enver Ever, Yoney Kirsal and Orhan Gemikonakli	91
Cultural Representation for Interactive Information System Javed Anjum Sheikh, Bob Fields and Elke Duncker	97
Part of Speech Tagging for Myanmar Using Hidden Markov Model Khine Khine Zin and Ni Lar Thein	103
Academic attainment or annoyance: Does mobile learning actually benefit today's students? Christopher Byrne	109
User Focused Database Summarization Approach Amel TRIKI, Yann POLLET and Mohamed BEN AHMED	115
Bayesian Network Probability Model for Weather Prediction Aye Nandar	120

Intelligent Fingerprint Recognition System by Using Geometry Approach Mar Mar Min, Yadana Thein	125
Modeling and Analysis of Two-Component Cluster System Thi Tar Lwin, Thandar Thein	130
Leightweight Task Modelling for System Design Tanguy Wettengel	135
A Framework for Integrating Usability Evaluations Methods: The Mawhiba Web Portal Case Study Areej Al-Wabil and Hend Al-Khalifa	141
Text Dependent Speaker Recognition Using Discrete Stationary Wavelet Transform and PCA Athulya Jayakumar, Vimal Krishnan V R and Babu Anto P	147
Integrated Secure Wireless Ordering and Transaction Processing System Architecture Mahmoud Al-Qutayri, Jeedella Jeedella, and Mohammed Al-Ali	151
An Efficient Indexing Mechanism for Data Deduplication Tin Thein Thwel and Ni Lar Thein	157
Utilizing User Behavioural Patterns in the Management of Future Mobile Communication Networks **Basil Dudin**	162
An Artificial Neural Network that Recognizes an Ordered Set of Words in Text Mining Task Arumugam Siri Bavan	174
The investigation of vulnerability test in application software Shahrzad Sedaghat, Fazlollah Adibniya and MehdiAgha Sarram	179
The Impact of Digitalisation in Higher Education Libraries Ravinder Singh Kahlon and Man-Chie Tse	184
A Novel Real-Time Routing Protocol in Wireless Sensor Networks (WSNs) Parvaneh Rezayat, Mehdi Mahdavi, Mohammad Ghasem Zadeh and Mehdi AghaSarram	190

Spectrum Sensing Performance Evaluation of Bi-threshold Detector in Rayleigh and Rician Fading Environment Zeeshan Azmat and Umar Farooq	196
A proposal for a Geographic Ontology Merging Methodology Sana Chaabane, Wassim Jaziri And Faiez Gargouri	202
StepUp: A Step Counter Mobile Application to Promote Healthy Lifestyle Ashraf Khalil and Suha Glal	208
Opening Doors – Technological Educational Opportunities and Leadership Initiatives for the Emirate Girls Behjat Al Yousuf, Jyothi Ganglani, Amala VijayaSelvi Rajan and Ghassoub Mustafa	213
Adoption of Web Based Collaboration Tools in the Enterprise: Challenges and Opportunities Ginika Chika Onyechi and Geetha Abeysinghe	219
Towards more Sophisticated ARP Spoofing Detection/Prevention Systems in LAN Networks Mohamed AlHemairy, Zouheir Trabelsi and Saad Amin	225