2012 International Conference on Information Retrieval & Knowledge Management

(CAMP 2012)

Luala Lumpur, Malaysia 13-15 March 2012

Editors:

Ramlan Mahmod Lili Nurliyana Abdullah Alan Smeaton Shyamala Doraisamy Rusli Abdullah Tengku Mohd Sembok Fabio Crestani Rabiah Abdul Kadir Mahamod Ismail



IEEE Catalog Number: CFP1282I-PRT ISBN: 978-1-4673-1091-8

TABLE OF CONTENTS

PREFA	CE	X
COMM	ITTEE	xi
KEYNOTE SPEAKERS		xiv
PAPERS	\mathbf{S}	
COMPUTATI	IONAL LINGUISTIC	
CL1-87	Evaluating Effect of Context Window Size, Stemming and Stop Word Removal on Hindi Word Sense Disambiguation Satyendr Singh, Tanveer J. Siddiqui, India	1
CL2-110	MMCAR: Modified Multi-class Classification based on Association Rule Yuhanis Yusof, Mohammed Hayel Refai, Malaysia	6
CL3-116	Spell Checker for Myanmar Language Aye Myat Mon, Myanmar	12
CL4-134	Designing a system for the recognition of words correct pronunciation by using fuzzy algorithms and multi-layer average method Farzad Hosseinzadeh, Mehrdad Zarafshan, Iran	17
CL5-158	Construction of Compound Nouns (CNs) for Noun Phrase in Malay Sentence Suhaimi Ab Rahman, Nazlia Omar, Noor Baizura Che Hassan, Malaysia	22
CL6-164	Automatic Identification of Cross-document Structural Relationships Yogan Jaya Kumar, Naomie Salim, Ahmed Hamza, Albarraa Abuobieda, Malaysia	26
CL7-166	Plagiarism Detection Scheme Based on Semantic Role Labeling Ahmed Hamza Osman, Naomie Salim, Mohammed Salem Binwahlan, Ssennoga Twaha, Yogan Jaya Kumar and Albaraa Abuobieda, Malaysia	30
KNOWLEDG	E MANAGEMENT	
KM1-45	Domain Knowledge Acquisition by Automatic Semantic Annotating And Pattern Mining Tianyong Hao, Yingying Qu, Fang Xia, Hong Kong	34
KM2-49	Automation of decision making process for selection of talented manpower considering risk factor: A Data mining Approach Mohd Mahmood Ali, Lakshmi Rajamani, India	39

KM3-53	Hybrid Scheme for Trust Management in Pervasive Computing Abubakr Sirageldin, Baharum Baharudin, Low Tang Jung, Malaysia	45
KM4-55	A Knowledge-Based Objects Tracking Algorithm in Color Video Using Kalman Filter Approach A. H. Mazinan, A. Amir-Latifi, M. F. Kazemi, Iran	50
KM5-58	Security Framework of Cloud Data Storage Based on Multi Agent System Architecture - A Pilot Study Amir Mohamed Talib, Rodziah Atan, Rusli Abdullah & Masrah Azrifah Azmi Murad, Malaysia	54
KM6-61	Knowledge Management System Model in Enhancing Knowledge Facilitation of Software Process Improvement for Software House Organization Rusli Abdullah and Amir Mohamed Talib, Malaysia	60
KM7-63	The Effect of Organizational Justice and Social Interdependence on Knowledge Sharing Marzanah A. Jabar, Chee-Yeong Cheah, Fatimah Sidi, Malaysia	64
KM8-65	Antecedents and consequences of knowledge management with IT support Shu-Hui Chuang, Tin-Chang Chang, Taiwan	69
KM9-72	The Relational Database Layout to Store Ontology Knowledge Base Abdullah AlAmri, Australia	74
KM10-73	A Framework of Integrated Decision Support System for Students' Projects Evaluation Fadhilah Ahmad, Norliza Ghazali, Elissa Nadia Madi, Ahmad Nazari Mohd Rose and Suhailan Safei, Malaysia	82
KM11-83	The Influence of Organizational Knowledge Sharing on Employee Motivation Usman Musa Zakari Usman, Mahdi Alhaji Musal, Malaysia	87
KM12-88	Case-based Diabetic Dietary Plan using Memory Organization Packets Nurkhairizan Khairudin, Shahrul Azman Noah, Azilawati Azizan and Ahmad Bakhtiar Jelani, Malaysia	91
KM13-89	An Intelligent Case Based Supplier Selection Framework: Customer Knowledge Management Perspective Alireza Jahani, Masrah Azrifah Azmi Muradi, Md. Nasir Sulaiman, and Hasan Selamat, Malaysia	95

KM14-103	Knowledge Sharing with Enhanced Learning and Development Opportunities Ritesh Chugh, Australia	100
KM15-104	Multi-Criteria Decision Making for Group Decision Support System Elvira Soufyani Rosanty, Halina Mohamed Dahlan, Ab. Razak Che Hussin, Malaysia	105
KM16-118	Consumer Evaluation Measurement Model (CEMMo) in Culturally-Mediated Web Information Architecture Azri Safwan Zulkifli, Wan Abdul Rahim Wan Mohd Isa, Anitawati Mohd Lokman, Malaysia	110
KM17-123	An Agent-Based Knowledge Management System for Collaborative Software Maintenance Environment, Design and Evaluation Mohd Zali Mohd Nor, Rusli Abdullah, Mohd Hasan Selamat, Masrah Azrifah Azmi Murad, Malaysia	115
KM18-126	A Survey of Semantic Web Standards to Representing Knowledge in Problem Solving Situations Sara Bouzid, Corine Cauvet, Jacques Pinaton, France	121
KM19-127	Virtual Communities model using ontology of group classification for research communities Zeti Darleena Eri, Rusli Abdullah, Marzanah A. Jabar & Masrah Azrifah Azmi Murad, Malaysia	126
KM20-132	Assessing E-learning System in a Semiconductor Firm: A Conceptual Framework Uchenna Cyril Eze, Kai Kit Soong, Chai Har Lee, Malaysia	131
KM21-135	HADCLEAN: A Hybrid Approach to Data Cleaning in Data Warehouses Arindam Paul, Varuni Ganesan, Jagat Sesh Challa, Yashvardhan Sharma, India	136
KM22-136	A knowledge Management System Based on Artificial Intelligence (AI) Methods: A Flexible Fuzzy Regression-Analysis of Variance Algorithm for Natural Gas Consumption Estimation Morteza Saberi, Ali Azadeh, Zahra Saberi, Peiman Pazhoheshfar, Iran	143
KM23-159	Improving Knowledge Extraction Of Hadith Classifier Using Decision Tree Algorithm Kawther Aldhaln, Akram Zeki, Ahmad Zeki, Hamad Alreshidi, Malaysia	148
KM24-160	Transformation from Requirement into Behavior Design: A Review Nuri Jazuli Bin Kamarudin, Nor Fazlida Mohd Sani, Rodziah Atan, Malaysia	153

KM25-162	Extrapolating the Role of Affect into Supporting Conceptual Change in Scientific Inquiry Learning Yok-Cheng Sam, Choo-Yee Ting, Chee-Onn Wong, Malaysia	158
KM26-168	Knowledge Management in Offshore Accounting Outsourcing Rosma Nadianti Risman, Aini Aman and Noradiva Hamzah, Malaysia	162
KM27-171	The Influence of Individual, Organizational and Technological Factors on Knowledge Sharing in the Private Sector in Malaysia An Effective Query Processing and Optimization Approach in the Database Domain Noorazah Md Noor, Juhana Salim, Malaysia	167
KM28-1001	Developing Collaborative System for Open Source Software Development Community Modi Lakulu, Rusli Abdullah, Khairulanuar Samsudin, Malaysia	172
KM29-1002	Privacy Policy Preference (P3P) in E-Commerce: Key for Improvement Afiqah Ahmad Said, Ab Razak Che Hussin, Halina Mohamed Dahlan, Mohammad Mehdi Hossein Pour, Malaysia	177
KM30-1003	Customers' Trust in E-Commerce: In Collective Culture Setting Fatemeh Meskaran and Zuraini Ismail, Malaysia	182
KM31-1004	Quantitive Analysis in a Heuristic Evaluation For Usability of Educational Computer Game (UsaECG)	187
	Hasiah Mohamed@Omar, Azizah Jaafar, Rohana Yusoff, Malaysia	
INFORMATIO	N RETRIEVAL	
IR1-27	Text Summarization Features Selection Method using Pseudo Genetic-	193
	based Model Albaraa Abuobieda, Naomie Salim, Ameer Tawfik Albaham, Ahmed Hamza Osman, and Yogan Jaya Kumar, Malaysia	
IR2-30	Multi-resolution Joint Auto Correlograms: Determining the Distance Function	198
	Mas Rina Mustaffa, Fatimah Ahmad, Ramlan Mahmod, and Shyamala Doraisamy, Malaysia	
IR3-36	Context Acquisition in Just-In-Time Mobile Information Retrieval	203
	Az Azrinudin Alidin, Fabio Crestani, Switzerland	
IR4-40	An Enhanced Density Histogram of Feature Points Representation Method	209
	Tranos Zuva, Oludayo O. Olugbara , Sunday O. Ojo, and Seleman M. Ngwira, South Africa	

IR5-42	IMS: An Improved Medical Retrieval Model via Medical-Context Aware Query Expansion and Comprehensive Ranking Nurfadhlina Mohd Sharef, Hizmawati Madzin, Malaysia	214
IR6-48	An evaluation on current ontological tools and their applications Jer Lang Hong, Ee Xion Tan, Pui Leng Goh, Fariza Fauzi, Wei Wei Goh, Malaysia	219
IR7-62	Ontological Based Webpage Classification Wui Kheun Ong, Jer Lang Hong, Fariza Fauzi, Ee Xion Tan, Malaysia	224
IR8-68	Novel Algorithms to Ensure Smooth and Unobtrusive Handover among Positioning Systems Mohammod Sazid Zaman Khan, Chen-Wei Tan, Thilek Silvadorai, Sureswaran Ramadass, Malaysia	229
IR9-71	Software Requirement Analysis Template With Automation Aided System Marzanah A. Jabar, Asyraf Azizan, Fatimah Sidi, Abdul Azim Abd Ghani, Malaysia	235
IR10-85	Image Retrieval Using Colour and Texture Features of Regions of Interest Vimina E R, Poulose Jacob K, India	240
IR11-94	IDUF: an Active Learning Based Scenario for Relevance Feedback Query Expansion Seyed Mohammad Bidoki, Seyed Mohammad Reza Moosavi, Iran	244
IR12-96	Negation query handling engine for natural language interfaces to ontologies Rizwan Iqbal, Masrah Azrifah Azmi Murad, Mohd Hasan Selamat, Azreen Azman, Malaysia	249
IR13-106	Self-Similarity Based Action Recognition Using Conditional Random Fields <i>Imran N. Junejo, U.A.E.</i>	254
IR14-107	Genre and Mood Classification Using Lyric Features Teh Chao Ying, Shyamala Doraisamy, Lili Nurliyana Abdullah, Malaysia	260
IR15-108	Filtered Mining in Program Code Repositories Fathi Taibi. Malaysia	264

IR16-111	Data Quality Comparative Model for Data Warehouse Fatimah Sidi, Abdullah Ramli, Marzanah A. Jabar, Lilly Suriani Affendey, Aida Mustapha and Hamidah Ibrahim, Malaysia	268
IR17-112	Information Extraction from Semi-Structured and Un-Structured Documents using Probabilistic Context Free Grammar Inference Ramesh Thakur, Narendra S. Chaudhari, Suresh Jain, Rahul Singhai, India	273
IR18-113	Active Warden as the Main Hindrance for Steganography Information Retrieval Zawawi, M.N., Mahmod, R., Udzir, N., Ahmad, F. and, Desa, J.M., Malaysia	277
IR19-114	Automated biological pathway knowledge retrieval based on semantic web services composition and AI Planning Muhammad Akmal bin Remli, Safaai bin Deris, Malaysia	281
IR20-117	Querying Connected Tuple Trees for Relational Keyword Search Myint Myint Thein, Myanmar	285
IR21-119	Dealing with conflict in CSCW Model for Writing Formal Software Specification Document Mohamed Ahmed Sullabi, Mustafa Bashir Abugharsa, Alhusain Mohamed Taher, Libya	290
IR22-121	Extensive Overview of an Ontology-based Architecture for Accessing Multi-format Information for Disaster Management Jawahir Che Mustapha Yusuf, Mazliham Mohd Su'ud, Patrice Boursier, Muhammad Alam, Malaysia	294
IR23-129	Data Quality: A Survey of Data Quality Dimensions Fatimah Sidi, Payam Hassany Shariat Panahy, Lilly Suriani Affendey, Marzanah A. Jabar, Hamidah Ibrahim,, Malaysia	300
IR24-138	A Flocking Based Data Mining Algorithm for Detecting Outliers in Cancer Gene Expression Microarray Data Abdelghani Bellaachia and Anasse Bari, USA	305
IR25-142	A Fractal-based Key point Computation Method for Solid Textures Motofumi T. Suzuki, Japan	312
IR26-144	Quranic-based Concepts: Verse Relations Extraction using Manchester OWL Syntax Aliyu Rufai Yauri, Rabiah Abdul Kadir, Azreen Azman, Masrah Azrifah Azmi Murad, Malaysia	317
IR27-153	Information Retrieval Model: A Social Network Extraction Perspective Mahyuddin K. M. Nasution, Shahrul Azman Noah, Malaysia	322

IR28-174	Text Mining in Bioinformatics: Past, Present and Future	327
	Hadee Faiiazee, Rusli Abdullah, S.A.R. Al-Haddad, Khairulmizam Samsudin,	
	Malaysia	
IR29-175	An Inference based Query Engine for RDF data	331
	Mamdouh Farouk, Mitsuru Ishizuka, Japan	