2009 International Conference on Intelligent Agent & Multi-Agent Systems

(IAMA 2009)

Chennai, India
22 – 24 July 2009

IEEE Catalog Number: CFP0953H-PRT
ISBN: 978-1-4244-4710-7

TABLE OF CONTENTS

Enhanced Communication Scheme for Mobile Agents 1
B. G. Priya

Agent-Based Autonomous Examination Systems 7
R. D. Gawali, B. B. Meshram

Performance Measurement Analysis for Multi-Agent Systems 14
N. K. Nagwani

Dynamic Home Agent Assignment in WLAN with Cellular Networks 18
R. Surender, G. Sivaradje, P. Dananjayan

Identification of Emotion Stress Agents in Hindi and English Sentences 26
V. Gupta, A. Jain, N. Kumar

Knowledge Management in Education 28
S. Jundale, G. S. Navale

Content Based Email Classification System by Applying Conceptual Maps 31
S. Baskaran

A Generic Architecture for Agent Based E-Learning System 33
K. Sakthiyavathi, K. Palanivel

A Multi-Agent System (MAS) Based Scheme for Health Care and Medical Diagnosis System 38
S. Gupta, S. Pujari

Simulation of Dialogue Management for Learning Dialogue Strategy Using Learning Automata 41
G. Kumaravelan, R. Sivakumar

An Efficient Multi-Agent Patient Scheduling Using Market Based Coordination Mechanism 47
E. G. M. Kanaga, P. S. H. Darius, M. L. Valarmathi

Agent Based Models of Social Systems and Collective Intelligence 51
V. K. Singh, A. K. Gupta

Multi-Agent Based Models of Social Contagion and Emergent Collective Behavior 58
D. Gautam, R. R. Singh, V. K. Singh

Extension of the Goal-Decision-Information Approach to Ensure Quality in Data Warehouse Development Using Software Agent 63
S. Venkatesan, S. M. Saleem

Improved Search Technique Using Wildcards or Truncation 68
S. Mishra, S. K. Satapathy, D. Mishra

Adaptive Content for Personalized E-learning Using Web Service and Semantic Web 72
S. J. Rani, M. S. Ashok, K. Palanivel

Multi-Agent Based Reconfigurable Architecture for Future Wireless Networks 76
T. Suresh, J. Henry, P. Rangarajan

Web Browser Architecture Proposal with Local Agent 81
L. A. Rasal, V. Z. Attar

Central Anti-Money Laundering Control System Using Agents Technology 86
G. Hemalatha, R. Mathews

Intelligent Agents for Source Decision Making Process in MANET 89
R. Yerajana, A. K. Sarje

Intrusion Detection System Using Self Organizing Maps 93
V. K. Pachghare, P. Kulkarni, D. M. Nikam

Role of Ontology in Automatic Construction of Stories for Kids 98
A. Jaya, G. V. Uma

OCS - A System for Optimizing, Clustering and Summarizing Web Search Results Using Intelligent Agents 103
Y. N. A. Khana, B. Ramana, S. Hariharan

Implementation of Neural Network in Particle Swarm Optimization (PSO) Techniques 109
S. Chaurasia, S. Daware

Performance Evaluation of Predictive Replica Selection Using Neural Network Approaches 111
S. Naseera, K. V. M. Murthy

Dynamic Programming Agent for Mobile Robot Navigation with Moving Obstacles 117
D .Tamilselvi, P. Rajalakshmi, S. M. Shalinie

A Multi-Agent Based Framework for Dynamic Service Discovery and Access Using Matchmaking Approach 122
T. Amudha, P. Usha, N. Saritha

Predicting Performance of Multi-Agent Systems During Feasibility Study 126
S. Ajitha, T. V. S. Kumar, D. E. Geetha, K. Rajanikanth
Dynamic Web Service Composition: Challenges and Techniques 131
S. P. Sivasubramanian, E. Ilavarasan, G. Vadivelou
Planning with Trial and Errors 139
R. Niyogi
Automatic Tamil Content Generation 144
S. Kohilavani, T. Mala, T. V. Geetha
Implementation of Class Timetabling Using Multi Agents 150
M. Nandhini, S. Kanmani
Spam Detection and Filtering on P2P System Using Agents 152
M. Packiavathy, K. Saruladha
A New Classification Scheme for Autonomous Software Agent 159
G. Sakarkar, N. M. Shelke
A Propound Method For Agent Based Dynamic Load Balancing Algorithm For Heterogeneous P2P Systems 161
R. Bhardwaj, V. S. Dixit, A. K. Upadhyay
Comparison Shopping Agents: the Essential Characteristics and Challenges to be Met 165
R. Prasad, V. V. Kumari, K. Raju
Agent Based Assistance System with Ubiquitous Data Mining for Road Safety 167
K. C. Gull, A. Mogali
An Intelligent Agent Based Framework for Secure Web Services 169
N. Jaisankar, A. Kannan
Effective Web Personalization Using Clustering 175
D. Vasumathi, A. Govardhan, K. Suresh
Exploiting OLAP and Data Mining for Augmenting E-Business 182
M. Mangla
Autonomous Software Agent for Localization 184
G. Sakarkar, V. M. Thakar
A Non-Pheromone Based Intelligent Swarm Optimization Technique in Software Test Suite Optimization 188
D. J. Mala, M. Kamalapriya, R. Shobana, V. Mohan
Query Intensive Interface Information Extraction Protocol for Deep Web 193
D. K. Sharma, A. K. Sharma
Efficient Fusion of Cluster Ensembles Using Inherent Voting 198
R. J. Anandhi, N. Subramanyam
Algorithmic Agent for Effective Mobile Robot Navigation in an Unknown Environment 203
A. F. Golda, S. Aridha, D. Elakkiya
Analysis of Health Care Data Using Different Data Mining Techniques 207
A. Gosain, A. Kumar
An Approach of Concept Similarity Computation in Taxonomy Ontology 213
A. Selvakumar, R. Sudha
Text Detection in Color Images 217
J. Sushma, M. Padmaja
Social Networks of Buying – Likely Patterns 223
M. M. Sathik, A. A. Rasheed
A Decision Support System for Scheduling a New Train In Indian Railway Network 226
H. S. Khairnar, S. P. Mengale, C. H. Khairnar
An Efficient Framework for Agent-Based Quality Driven Web Services Discovery 232
T. Rajendran, P. Balasubramanie
Improved Classification Association Rule Mining 234
M. N. Kumar, B. E. Reddy
Automatic Generation of Fuzzy Rules From Data by Fuzzy Clustering and Particle Swarm Optimization 241
R. Mohana, M. Juneja, D. Kumar, M. S. Bedi
Data Mining Techniques to Analyze the Risks in Stocks/Options Investment 246
A. Surendran
Human Detection and Tracking Using Image Segmentation and Kalman Filter 249
D. V. Thombre, L. Das, J. H. Nirmal
Intelligent Guided Missile 254
M. S. Vinoth, P. S. R. P. Saradhi, P. S. R. Aditya

Design of Platform Independent, Collaborative Graphical Environment Using Edge Detection 258
D. Ramakrishnan
Multi-Constrained Multi-Path Routing with Integrated Traffic Control Laws 262
X. A. K. Rani, T. B. Vishwanath
An Intelligent Approach for Reasoning the Stories Using Case Based Reasoning and Rule Based Reasoning 266
A. Jaya, G. V. Uma
Implementation and Comparative Analysis of Rough Set, Artificial Neural Network (ANN) and Fuzzy-Rough Classifiers for Satellite Image Classification 271
M. Juneja, E. Walia, P. S. Sandhu, R. Mohana
Terror Tracking Using Advanced Web Mining Perspective 277
T. Anand, S. Padmapriya, E. Kirubakaran
Public Key Cryptosystems Based On Chaotic-Chebyshev Polynomials 281
K. Prasadh, K. Ramar, R. Gnanajeyaraman
Formalization of Virtual Enterprise Using CPL (Case: Electronic Marketplace) 286
A. K. Srivastava
Genetic Algorithm for Information Retrieval 296
P. Simon, S. S. Sathya
Multi Agent Based Approach for Analyzing Spatial Image Data 302
M. C. Jyotsna , M. Siddhartha
Comparative Study of Fuzzy PD Controller and Conventional Controllers 306
N. Vasu, G. Srinivasulu
Mobile-Agent Based Distributed Fuzzy Associative Classification Rules Generation for OLAM 308
B. R. Ram, G. Aghila
A Survey on Service-Oriented Architecture for E-Learning System 313
S. Jamuna Rani, M. S. Ashok
Medical Image Retrieval From Distributed Environment 316
M. S. Anbarasi, S. Sandhya, K. M. Mehata, V. Suganya
The New Integrated Color and Texture Based Image Retrieval Using Neuro-Fuzzy Approach 324
P. Anandhakumar, V. Balamurugan
Publisher-Subscriber: An Agent System for Notification of Versions in OODBs 332
K. Palanivel, V. Amouda, S. Kuppuswami
Application of Radial Basis Function for Concurrency Control in CAD with KBMS 338
P. Raviram, S. D. Umarani, R. S. D. Wahidabanu
Implementation of HMM and Radial Basis Function for Speech Recognition 344
S. D. Umarani, P. Raviram, R. S. D. Wahidabanu
Segmentation Of Uterine Fibroid Using Morphology: An Automatic Approach 348
T. R. Jeyalakshmi, K. Ramar
Handling Hidden and Exposed Terminal Problems Using Agent Based Access Schema 354
R. Priyadharsini, K. S. Joseph
An Agent-Based Personalized E-Learning Environment: Effort Prediction Perspective 360
T. Vengattarman, P. Dhavachelvan
An Empirical Comparison of Differential Evolution Variants for High Dimensional Function Optimization 366
G. Jeyakumar, C. Shanmugavelayutham
A Multi-Agent System for Collaborative Editing in Mobile Networks and P2P 372
M. M. Driss, B. Fatima, I. Abdessamad
Evaluation of Software Architectures Using Multicriteria Fuzzy Decision Making Technique 376
G. Zayaraz, S. Vijayalakshmi, V. Vijayalakshmi
An Intelligent Agent for Detection of Erythemato-Squamous Diseases Using Co-Active Neuro-Fuzzy Inference System and Genetic Algorithm 381
L. Parthiban, R. Subramanian
Net Mobile-Cop: A Hybrid Intelli-Agent Framework to Manage Networks 387
M. K. Nair, C. Bhosle, V. Gopalakrishna
Intelligent System to Teach Programming Languages 395
D. E. Dekson, E. S. M. Suresh, R. Ponnusamy

Author Index