

2014 Fifth International Conference on the Applications of Digital Information and Web Technologies

(ICADIWT 2014)

**Chennai, India
17-19 February 2014**



IEEE Catalog Number: CFP1476E-POD
ISBN: 978-1-4799-2260-4



**The Fifth International Conference on the
Applications of the Digital Information and Web Technologies (ICADIWT 2013)**

February 17-19, 2014

PRIST University, Chennai Campus, India





Technically co-sponsored by IEEE Communications Society.
Proceedings will be indexed in IEEE Xplore

Contents

<u>Distributed Computing</u>	<u>Real Time Systems</u>
<u>Computer Network Security</u>	<u>Multi-agent Systems</u>
<u>Digital Image Processing</u>	<u>Information Retrieval and Internet Applications</u>
<u>Data Mining</u>	<u>Communication Software and Technologies</u>

Distributed Computing
<u>A GSM Based Low Cost Weather Monitoring System for Solar and Wind Energy Generation</u> Dev Gaurav, Dishant Mittal, Bhavya Vaidya, Jimmy Mathew
<u>AccAuth: Accounting System for OAuth Protocol"</u> Utharn Buranasaksee, Kriengkrai Porkaew, Umaporn Supasitthimethee
<u>A Novel Approach to Efficient and Reliable Routing in Vanets</u> G.Mary Valantina, S.Jayashri
<u>A Novel Receiver Window Function For ICI reduction in OFDM system</u> Mamatha Vemula, P. Hari Krishna Prasad
<u>A Distributed System Design for Next Generation Storage and Remote Replication</u> Dhanaraj Maruthachalam, Taranisen Mohanta, Amulya Ratna Swain, Hemendra Kumar Sethi
Real Time Systems
<u>MORPED: Monitor Rules for Proactive Error Detection Based on Run-time and Historical Data</u> Ricardo Contreras A.y, Khaled Mahbuby and Ricardo Contreras A.
<u>Game Theoretic Resource Allocation in Cloud Computing</u> Srinivasa K G, Sharath Kumar K, Shashank Kaushik U, Srinidhi S, Vignesh Shenvi, Kushagra Mishra

[Application-aware Group Scheduler for Android](#)

Zongwei Zhu, Beilei Sun, Xi Li, Xuehai Zhou

[An Algorithm for Carrier Frequency Offset Estimation in BPSK Burst Transmission](#)

Le Tian, Wang Jianbo

[Formal Representation of Service Interactions for SaaS Based Applications](#)

Amit Kr Mandal, Anirban Sarkar

Computer Network Security

[Passwordsto Absolutely Avoid: A survey in Greece](#)

George E. Violettas, Kyriakos Papadopoulos, ChristosTasioudis

[Personalized Authentication Procedure for Restricted Web Service Access in Mobile Phones](#)

T.Ramya, S.Malathi, G.R.Pratheeksha, V.D.Ambeth Kumar

[Privacy Protection in Cloud Using Identity Based Group Signature](#)

S.Kuzhalvaimozhi, G.Raghavendra Rao

[Droid Permission Miner: Mining Prominent Permissions for Android Malware Analysis](#)

Aswini A. M., Vinod P.

[Secure Two-Party Computation with AES-128: Generic Approach and Exploiting Specific Properties of Functions Approach](#)

A. Anasuya Threse Innocent, K. Sangeeta

[Browser JS Guard: Detects and Defends against Malicious JavaScript Injection based Drive by Download Attacks](#)

Ravi Kishore K, Mallesh M, Jyostna G, P R L Eswari, Samavedam Satyanadha Sarma

[Novel Mutual Authentication Protocol for Cloud Computing using Secret Sharing and Steganography](#)

Nimmy K., M. Sethumadhavan

Multi-agent Systems

[Together we stand, Together we fall, Together we win: Dynamic Team Formation in Massive Open Online Courses](#)

Tanmay Sinha

[An Agent-Based Linked Data Integration System](#)

Xuejin Li, Zhendong Niu, Chongyang Shi

A high performance Hybrid Algorithm for Text Classification
Prema Nedungadi, Haripriya Harikumar, Maneesha Ramesh
Digital Image Processing
Hybrid Background Subtraction in Video using Bi-level CodeBook Model
Soumya Varma, Sreeraj M
Diagnosis Of Ophthalmologic Disorders in retinal fundus images
V.Krishna Sree, P.Sudhakar Rao
A Fast Narrow Band Level Set Formulation for Shape Extraction
Bindu V R, K N Ramachandran Nair
Finger Vein Extraction and Authentication Based on Gradient Feature Selection Algorithm
Parthiban K, Amitabh Wahi, Sundaramurthy S, Palanisamy C
Reduction of Semantic Gap Using Relevance Feedback Technique in Image Retrieval System
Ansa Saju, Thusnavis Bella Mary.I., A.Vasuki, Lakshmi P. S.
Automated Colour Segmentation of Tuberculosis Bacteria thru Region Growing: A Novel Approach
Chayadevi M.L., Raju G.T.
Information Retrieval and Internet Applications
An API for Quran Portal Using Drupal Technology
Zameer Ahmed Adhoni, Husam Al Hamad, Zaheer Ahmed Adhoni
Question Answering System : A Heuristic Approach
Varsha Bhoir, M. A. Potey
The Performance Evaluation of Proactive Fault Tolerant Scheme over Cloud using CloudSim Simulator
Deepshikha Goutam, Ashok Verma, Neha Agrawal
SentenceRank - A Graph based approach to summarize text
Animesh Ramesh, Srinivasa K.G, Pramod N
Post-Search Query Modeling in Federated Web Scenario
Jolanta Mizera-Pietraszko
An Innovative Normalization Process by Phase Correlation Method of Iris Images for the block size of 32*32

S.Nithyanandam, S.Amaresan , N.Mohamed Haris
Searching Application for Southern Thailand Travel Guide on iPhone
Hathairat Ketmaneechairat, Phanuwat Yoksiri, Thitisak Jaisiri
Data Mining
Association Rule Extraction from Medical Transcripts of Diabetic Patients
Lakshmi K.S, G. Santhosh Kumar
A Novel approach for predicting the length of hospital stay with DBSCAN and supervised classification algorithms
Panchami V U, N. Radhika
Bwasw-Cloud: Efficient Sequence Alignment Algorithm for Two Big Data with MapReduce
Mingming Sun, Xuehai Zhou, Feng Yang, Kun Lu, Dong Dai
A Multi-Objective Differential Evolution Approach for the Question Selection Problem
Dimple V. Paul, Jyoti D.Pawar
Detection Of Thunderstorms Using Data Mining and Image Processing
Kishor Kumar Reddy C, Anisha P R, Narasimha Prasad L V
DBSCAN: Past, Present and Future
Kamran Khan, Saif Ur Rehman, Kamran Aziz, Simon Fong, S. Sarsvady
An Event Driven Neural Network System for Evaluating Public Moods from Online Users' Comments
Simon Fong, Suash Deb, Io-Weng Chan, P. Vijayakumar
Communication Software and Technologies
Collision Probability based Available Bandwidth Estimation in Mobile Ad Hoc Networks
Shilpa Shashikant Chaudhari, Rajashekhar C. Biradar
Survivable of Multicast Traffic Grooming Against Single Link Failures in WDM Mesh Networks
Ashok Kumar Pradhan, Tanmay De
Experimental Analysis of CUBIC TCP in Error prone MANETs
Deepa Kumari, Mohit P. Tahiliani, Udaya Kumar K. Shenoy
Analysis of sfqCoDel for Active Queue Management
Preethi Rao V., Mohit P. Tahiliani, Udaya Kumar K. Shenoy