### Track: ALGORITHM

**Dynamic model of Blended Biogeography Based Optimization for Land Cover Feature Extraction**
*Lavika Goel, Daya Gupta, V.K. Panchal*

**Grenade Explosion Method for Maximum Weight Clique Problem**
*Manohar Pallantla and Alok Singh*

**A Greedy Heuristic and its Variants for Minimum Capacitated Dominating Set**
*Anupama Potluri and Alok Singh*

**Developing Heuristic For Subgraph Isomorphism Problem**
*Saifuddin Kajjar and S. Durga Bhavani*

**0-1 Integer Programming For Generation maintenance Scheduling in Power Systems based on Teaching Learning Based Optimization (TLBO)**
*Suresh Chandra Satapathy, Anima Naik, K. Parvathi*

**Time series Quanslet: a Novel Primitive for Image Classification**
*Tusar Kanti Mishra, Arun K Pujarib*

**A Fast Algorithm for Learning Weighted Ensemble of Roles**
*Abdullah Almutairi, Sanjay Ranaka, and Manas Somaiya*

**Dynamic Optimization Algorithm for Fast Job Completion in Grid Scheduling Environment**
*Monika Choudhary and Sateesh Kumar Peddoju*

### Track: APPLICATIONS

**Range Grouping for Routing in Dynamic Networks**
*Prachi Badera, Akanksha Bhardwaj, K. Rajalakshmi*

**Intensity Modeling for Syllable based Text-to-Speech Synthesis**
*V. Ramu Reddy, K. Sreenivasa Rao*

**Data-Driven Phrase Break Prediction for Bengali Text-to-Speech System**
*Krishnendu Ghosh, K. Sreenivasa Rao*

**Behaviour of torsional surface wave in a homogeneous substratum over a dissipative half space**
*Sumit Kumar Vishwakarma, Shishir Gupta*

**Financial Application as a Software Service on Cloud**
*Saurabh Kumar Garg, Bhanu Sharma, Rodrigos N. Calheiros, Ruppa K. Thulasiram, Parimala Thulasiraman, and Rajkumar Buyya*

**An Automated Metamorphic Testing Technique for Designing Effective Metamorphic Relations**
*Gagandeep, Gurdeepak Singh*

**Service Oriented Architecture Adoption Trends: A Critical Survey**
*Ashish Seth, Ashim Raj Singla, Himanshu Aggarwal*

**Gender Classification based on Lip Colour**
*Anand Gupta, Sundeep Narang, Tasha Chandolia*

**Using Strong, Acquaintance and Weak Tie Strengths for Modeling Relationships in Facebook Network**
*Arnab Kumar, Tushar Rao, and Sushama Nagpal*

**Context Based Relevance Evaluation of Web Documents**
*Pooja Gupta*

**A Novel Faster Approximate Fuzzy Clustering Approach with highly accurate results**
*Gargi Aggarwal, MPS Bhatia*

**Materialized View Selection using Genetic Algorithm**
*T.V. Vijay Kumar and Santosh Kumar*

**Routing table implementation using integer data structure**

P. Manasa, M.R. Prasad, T. Sobha Rani

**Real Life Emotion Classification from Speech using Gaussian Mixture Models**
Shashidhar G. Koolagudi, Anurag Barthwal, Swati Devliyal and K. Sreenivasa Rao

**Storage and Retrieval of Large Data Sets: Dimensionality Reduction and Nearest Neighbour Search**
Poorna Chandrasekhar A., Sobha Rani T.

Emotion Recognition from Semi Natural Speech using Artificial Neural Networks and Excitation Source Features
Shashidhar G. Koolagudi, Swati Devliyal, Anurag Barthwal1 and K. Sreenivasa Rao

Maximizing Automatic Code Generation: Using XML based MDA
Atul Saurabh, Deepak Dahiya, and Rajni Mohana

**Proposed Mobile Controlled Handoff (MCHO) in 3GPP Long Term Evolution (LTE) System**
Vikrant Chauhan, Juhi Gupta, and Chhavi Singla

A Different Approach of Addressing, Energy Efficient Routing & Data Aggregation for Enhanced Tree Routing Protocol
Sharad, Shailendra Mishra, Ashok Kumar Sharma, D.S. Chauhan

**Packet and Flow Based Network Intrusion Dataset**
Prasanta Gogoi, Monowar H. Bhuyan, D. K. Bhattacharyya, and J. K. Kalita

Efficient Hierarchical Threshold Symmetric Group Key Management Protocol for Mobile Ad Hoc Networks
Adarsh Kumar, Alok Aggarwal, Charu

**A Cloud based Robot Localization Technique**
Faimy Q. Ansari, Jitendra Kumar Pal, Jainendra Shukla, G. C. Nandi, Pavan Chakraborty

**File Replication and Dereplication of Replica’s in Distributed Environment**
Manu Vardhan, Paras Gupta and Dharmender Singh Kushwaha

Authentication and Authorization Interface using Security Service Level Agreements for accessing Cloud Services
Durgesh Bajpai, Manu Vardhan, Dharmender Singh Kushwaha

**A Non-iterative Learning based Artificial Neural Network Classifier for Face Recognition under Varying Illuminations**
Virender P. Vishwakarma

**DDoS Detection with Daubechies**
Gagandeep Kaur, Vikas Saxena, and J. P. Gupta

**TRACK: SYSTEMS (HARDWARE & SOFTWARE)**

Rigorous Design of Lazy Replication System Using Event-B
Raghuraj Suryavanshi and Divakar Yadav

**Saturation Analysis of IEEE 802.11 EDCA for Ad hoc Networks**
Ash Mohammad Abbas and Khaled Abdullah Mohammed Al Soufy

**Financial Option Pricing on APU**
Matthew Doerksen, Steven Solomon, Parimala Thulasiraman, Ruppa K. Thulasiram

**Object Oriented Software Maintenance in presence of Indirect Coupling**
Nirmal Kumar Gupta and Mukesh Kumar Rohil

Development of a robust Microcontroller based Intelligent Prosthetic Limb
Anup Nandy, Soumik Mondal, Pavan Chakraborty and G C Nandi

**SMART- A Social Mobile Advanced Robot Test Bed for Humanoid Robot Researchers**
Jainendra Shukla, Jitendra Kumar Pal, Faimy Q. Ansari, G. C. Nandi, Pavan Chakraborty
Skin Infection Identification Using Color and Euclidean Distance Algorithm
Manish Kumar Sharma, Rohit Maurya, Ajay Shankar Shukla, Dr. P.R Gupta

Annotation of Human Genomic Sequence by Combining Existing Gene Prediction tools using Hybrid Approach
Anubhav Saxena, Gokulakrishnan Pitchai pillai, Dr. Pritish Kumar Vardowaj

A Comparison of the DCT JPEG and Wavelet Image Compression Encoder for Medical Images
Farah Jamal Ansari, Aleem Ali

Depth map based recognition of activities involving two persons
Anupam, K. K. Biswas, Achyut Shukla, and Rajesh Kumar Pandey

REAL-TIME DEPTH ESTIMATION FROM A MONOCULAR MOVING CAMERA
Aniket Handa and Prateek Sharma

Spoken Language Identification using Spectral Features
Shashidhar G. Koolagudi, Deepika Rastogi and K. Sreenivasa Rao

Hybrid Intrusion Detection Architecture for defense against DDoS attacks in Cloud Environment
Sanchika Gupta, Susmita Horrow, Anjali Sardana

Telephonic Vowel Recognition in the case of English Vowels
Sujata Negi Thakur, Manoj Kumar Singh and Anurag Barthwal

Application of 2D OVSF codes in OFCDM for downlink communication in 4G systems
Parul Puri and Neetu Singh