

Second International Conference on Machine Learning, Deep Learning and Computational Intelligence for Wireless Communication

MDCWC 2023



**Paper presentation
Schedule**

ONE EARTH – ONE FAMILY – ONE FUTURE

Day: 01**Session: FN****Date: 22.06.23****Time: 11.15 a.m. to 12.30 p.m.****VENUE: A11****Session chairs**

- 1. Dr. Anamika singh, VNIT, Nagpur**
- 2. Dr. P. Maheswaran, NIT, Tiruchirappalli**

Sl.no	Paper ID	Title
1	81	A MIMO dual mode homogeneous OFDM IM system for next-generation communications
2	83	Analysis and Comparison of BER Performance of OFDM-IM under various fading channels using conventional Detectors
3	89	A Survey of Non-Orthogonal Multiple Access for Internet of Things and Future Wireless Networks
4	128	A Machine Learning Perspective of optimal data transmission in Wireless Sensor Networks (WSN)
5	134	Image Manipulation Detection using Augmentation and Convolutional Neural Networks

Day: 01 Session: FN Date: 22.06.23 Time: 11.15 a.m. to 12.30 p.m.

VENUE:A12

**Session
chairs**

- 1. Dr. Prabhat Kumar sharma, VNIT Nagpur**
- 2. Dr.E.S.Gopi, NIT, Tiruchirappalli**

Sl.no	Paper ID	Title
1	22	Integrating long-short term memory and particle swarm optimization for intrusion detection in 5G technologies
2	51	Traffic Monitoring System Detecting Overspeed and Accidents from Video Input using open cv and Digital Image Processing
3	55	Damage Detection on Historical Structure using Image Processing
4	127	Packet classification using improved random forest algorithm
5	142	Improved 3D Wireless Indoor Localization with Deep Learning Algorithms

Day: 01 Session: AN Date: 22.06.23 Time: 02.30 p.m. to 03.45 p.m.

VENUE:A11

**Session
chairs**

- 1. Dr. E.S. Gopi, NIT Tiruchirappalli**
- 2. Dr. P. Sudharshan, NIT, Tiruchirappalli**

Sl.no	Paper ID	Title
1	3	Automatic photo enhancer using machine learning and deep learning with python
2	27	An Effective Machine Learning-based Malware Detection Approach
3	36	Exploring the performance of various classification algorithms for masked face recognition using CNN based features
4	37	Chess game using Assembly language programming
5	50	Eye disease classification using VGG-19 architecture
6	124	Novel approaches to Automatic License Plate Reading (ALPR)

Day: 01 Session: AN Date: 22.06.23 Time: 02.30 p.m. to 03.45 p.m.	
VENUE:A12	
Session chairs	<ol style="list-style-type: none"> 1. Dr. Swaminathan, IIT Indore 2. Dr. Oswald, NIT Tiruchirappalli

Sl.no	Paper ID	Title
1	23	Probability Boosted Regression for Intrusion Detection in Cyber active Space
2	49	Automation in Natural Rubber Latex Harvesting Field: A Review
3	68	Automated Age-related Macular Degeneration Diagnosis in Retinal Fundus Images via vit
4	70	A novel hierarchical clustering technique to analyse style and content factorization during image recognition
5	87	Exploring Model-Level Transfer Learning to Improve the Recognition of Sinhala Speech

Day: 02 Session: FN Date: 23.06.23 Time: 10.00 a.m. to 11.30 a.m.

VENUE:A11

Session chairs

- 1. Dr. G. Thavasi Raja , NIT, Tiruchirappalli**
- 2. Dr.P.Maheswaran, NIT, Tiruchirappalli**

Sl.no	Paper ID	Title
1	41	Smart Women Safety Solution with Alert System Using Machine Learning Approach
2	56	Feature Selection based Machine Learning Model for Malware Detection
3	73	Implementing Machine Learning for design and evaluation of Antenna Parameters
4	93	Smart Agriculture using Internet of Things
5	98	Traffic light simulation using ALP
6	152	A Comparative Analysis of Single Image-Based Face Morphing Attack Detection

Day: 02 Session: FN Date: 23.06.23 Time: 10.00 A.M. to 11.30 p.m.

VENUE:A12

Session chairs

- 1. Dr. Prabhat Kumar sharma, VNIT Nagpur**
- 2. Dr. S. Deivalakshmi, NIT, Tiruchirappalli**

Sl.no	Paper ID	Title
1	100	CPSNet: Channel Pixel Spatial Feature Fusion Network for Image Dehazing
2	103	Surface Water-body Extraction for Landsat-8 (OLI) Imagery using Water-Indices Methods and SCM Techniques
3	113	Machine Learning based Online Visual Tracking with Multi-featured Adaptive Kernal Correlation filter
4	122	FiltDeepNet: Architecture for Covid Detection based on Chest X-ray Images
5	159	Performance analysis of polar decoding using linear code mapping with feedback based ANN architecture

Day: 02 Session: AN Date: 23.06.23 Time: 04.00 p.m.to 05.15 p.m.	
VENUE:A11	
Session chairs	<ol style="list-style-type: none"> 1. Dr. Rahul Meshram,IIT Madras 2. Dr. E.S. Gopi, NIT,Tiruchirappalli

Sl.no	Paper ID	Title
1	63	A Constant Binomial Coefficient Difference Equation Based FIR Predictor System for Signal Processing & Data mining
2	80	Breast Cancer Detection from Mammograms using Deep Learning and Bio-Inspired Optimization Algorithm
3	112	Malaria Parasite Detection Using Deep Learning
4	131	DNN-ILD: A Transfer Learning-based Deep Neural Network for Automated Classification of Interstitial Lung Disease from CT Images
5	144	Crop Prediction Expert System with Ensemble Machine Learning Technique

Day: 02 Session: AN Date: 23.06.23 Time: 04.00 p.m.to 5.15 p.m.

VENUE:A12

Session chairs

- 1. Dr.Anamika singh, NIT,Nagpur**
- 2. Dr.P.Sudharsan, NIT, Tiruchirappalli**

Sl.no	Paper ID	Title
1	20	ATCBBC: A novel optimizer for neural network Architectures
2	48	Cyberbullying detection using bi-LSTM model
3	72	Deep Artificial neural Network for Software Effort Estimation
4	84	Detection of Echinoderms Underwater using Deep Learning Network
5	139	Generating Synthetic Text Data for Improving Class Balance in Personality Prediction

Day: 03**Session: AN****Date: 24.06.23****Time: 02.30 p.m.to 03.45 p.m.****VENUE:A11****Session chairs**

- 1. Dr. Swaminathan, ECE, IIT Indore**
- 2. Dr. Shameedha Begam, CSE, NIT, Tiruchirappalli**

Sl.no	Paper ID	Title
1	16	Robust Touch Free Palm Vein Sensor Authentication System
2	34	Blockchain and IPFS based solution for KYC
3	35	Comparative study on malicious URL using classifiers and boosting algorithms.
4	46	Classifiers for sentiment analysis of youtube comments - a comparative study
5	71	Application of Machine learning algorithm for prediction of Diabetes and Heart diseases
6	91	An experimental comparative analysis of human abnormal action identification on "SAIAZ" video dataset using SVM, ResNet50, and LSTM model

Day: 03

Session: AN

Date: 24.06.23

Time: 02.30 p.m.to 03.45 p.m.

VENUE:A12

Session chairs

- 1. Dr. Rahul Meshram,IIT Madras**
- 2. Dr. P. Maheswarn,NIT Tiruchirappalli**

Sl.no	Paper ID	Title
1	30	Examining Ant Colony Algorithm With the Cat Swarm Algorithm To Improve Energy Efficiency
2	67	'Legal owl', an application for machine generated legal aid using NLP
3	77	Application of Dempster-Shafer theory in sensor data fusion
4	135	An Integrated Optimization Technique with SVM for Feature Selection
5	126	Metaheuristics feature selection algorithms for identification and classification of mango pests diseases