

4th International Conference on Machine Learning, Image Processing, Network Security and Data Sciences (MIND-2022)
19th – 20th Jan 2023

Session Chair details MIND-2022 (Timings mentioned are Indian Standard Time (IST) which is GMT + 5:30 hours)

Date s	Session	Track	Paper IDs Details	Session Chair Name(s)	Link	
		Day 2				
20- 01- 20 23 (Fr ida y)	10:30 AM to 11:30 AM	Expert Lecture 3		Prof. Youngshik Kim, Department of Mechanical Engineering, Hanbat National University, South Korea	https://meet.google.com/uww-bpdo-kuj	
	Session 3 11:45 AM to 01:45 PM	Track-1 (Machine Learning & Computational Intelligence)	137, 149, 150, 153, 165, 168, 173, 180	1. Dr. Suresh Kumar Gawre, MANIT Bhopal 2. Dr. Kuldeep Baderia, IIIT Noida 3. Mrs. Khusboo Singh	https://meet.google.com/oja-kyyh-yhj	
		Track-2(A) (Image Processing & Computer Vision)	134, 135, 139, 141, 151, 163, 169	1. Dr. Namita Tiwari, MANIT Bhopal 2. Dr. Rahul Semwal, IIIT Nagpur 3. Mr. Sushil Chaturvadi	https://meet.google.com/tti-bjiy-pqy	
		Track-2(B) (Image Processing & Computer Vision)	170, 171, 172, 174, 176, 178, 182	1. Dr. Vaibhav Soni, MANIT Bhopal 2. Dr. Ghanupriya Singh, NIT Krukshetra 3. Mrs. Sadhna Bijoriya	https://meet.google.com/xfq-htxy-gmo	
		Track-3 (Network & Cyber Security)	215, 219, 223, 241, 259, 346, 376	1. Dr. Vijay Bhaskar Semwal, MANIT Bhopal 2. Dr. Praveen Lalwani, VIT Bhopal 3. Ms. Barkha Soni	https://meet.google.com/fee-cxef-gup	
01:45 to 02:30 PM	Lunch Break					

Day -2	Session 4 02:30 to 04:30 PM	Track-1(A) (Machine Learning & Computational Intelligence)	181, 193, 196, 197, 199, 201, 210, 213	1. Dr. Deepak Kumar, MANIT Bhopal 2. Dr. Dilip Kumar Choubey, IIIT Bhagalpur 3. Mr. Swapnil Kumar	https://meet.google.com/oja-kyyh-yhj
		Track-1(B) (Machine Learning & Computational Intelligence)	217, 230, 246, 260, 261, 338, 353	1. Dr. Mitul Ahirwal, MANIT Bhopal 2. Dr. Mithilesh Atulkar, NIT Raipur 3. Mrs. Pratibha Tokas	https://meet.google.com/tti-bjiy-pqy
		Track-2(A) (Image Processing & Computer Vision)	194, 195, 198, 205, 206, 221, 229	1. Dr. Vaibhav Soni, MANIT Bhopal 2. Dr. Sudhakar Tripathi, REC Ambedkarnagar 3. Mr. Mithun Ahirwar	https://meet.google.com/xfq-htxy-gmo
		Track-2(B) (Image Processing & Computer Vision)	236, 247, 354, 361, 369, 375	1. Dr. Vijay Bhaskar Semwal, MANIT Bhopal 2. Dr. Abdual Mana, South Korla 3. Mr. Bhawana Singh	https://meet.google.com/fee-cxef-gup
	04:30 to 05:00 PM	Validators Session	Best paper award distribution, certificate distribution and closing remark.		https://meet.google.com/uww-bpdo-kuj

***NOTE: Full Paper presentation is for a total of 15 minutes each, 10 minutes for presentation and 5 minutes for questions**

List of Selected Papers for Oral Presentation

Paper ID	Title
1	Determining Homogenous Transformation Matrix from DH Parameter Table using Deep Learning Techniques
2	Cardiac Arrhythmia Classification Using Cascaded Deep learning Approach (LSTM & RNN)
3	A Computational Approach to Identify Normal and Abnormal Persons Gait Using Various Machine Learning and Deep Learning Classifier
4	An efficient approach for secured data transmission between IoT and Cloud
8	Leveraging CNN and Transfer Learning for Classification of Histopathology Images

9	A New Secure CAPTCHA Verification Scheme using Puzzle based on Pattern
14	Phishing Page Detection Using Machine Learning & Deep Learning
16	Study of Various Deep Learning Models for COVID-19 Detection Based on Fractional Order Optical Flow
17	A Comparative Analysis of Different CNN Based Models for COVID-19 Detection using CXR and CT Images
18	A State-of-the-Art Analysis of a Cloud-based Video Big Data Analytics using Deep Learning
22	Medical Image Segmentation Using U-Net
32	A Flowchart Plagiarism Detection Approach using Shape Detection and Text Similarity
33	IoT Based System for accident detection, monitoring and landslide detection using GSM in Hilly Areas
34	Lane Detection and Distance Estimation using Computer Vision Techniques
35	Dynamic Bayesian Network for Syn-thetic Time Series Data generation using arbitrary values
36	Hierarchical-Based Binary Moth Flame Optimization for Feature Extraction in Biomedical Application
37	Grasp Detection and Classification of Surgical Tools using Pre-trained Model as Feature Extractor
38	Elaborated distributed system-activity synchronization among different distributed systems
42	Applications of Named Entity Recognition using Graph Convolution Network
46	A Pedestrian Detection System Under Intricate Scenarios for Reliable Autonomous Vehicles
49	Cloud Based Cost Effective IIoT model towards Industry 5.0
55	Face Recognition: Methods, Challenges and Future Directions
56	Multimodal Fake News Detection on Fakeddit Dataset using Transformer-Based Architectures
58	Distinctive Approach for Speech Emotion Recognition using Machine learning
59	Using Deep Transfer Learning to Predict Student Engagement in Online Courses
67	A method for Price Prediction of Onion using Machine Learning
70	Novel ABC: Aspect Based Classification of Sentiments using Text Mining for COVID-19 Comments
75	Context Based Ambiguity Removal System for Sign Language
77	IoT Based Healthcare Panic Alarm
82	Topic modeling, sentiment analysis and text summarization for analyzing News headlines and articles.
85	SAFE: Secure and Fast Key Establishment for Resource Constrained Devices in Device to Device Communications
88	Exploring patterns and correlations between cryptocurrencies and forecasting crypto prices using influential tweets

93	A Survey on Human Activity Recognition Using Deep Learning Techniques and Wearable Sensor Data
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Paper ID	Title
94	Generation of Attack Graphs Using MulVAL Toolkit
95	Software Forensics: Clustering Based Approach to Authorship Authorization
96	The Refined-Para forming Question Generation system using Lamma
98	Investigation of Multi Layer Perceptron Regression based Models to Forecast Reference Evapotranspiration (ETo)
100	Securing Digital Information using Cryptography Techniques to enhance IT Security
101	Performance Analysis of First Order Optimizers For Plant Pest Detection Using Deep Learning
103	A Review of Text Summarization Techniques and Proposed a novel Ensemble Learning Model for Text Summarization Using Machine Learning Algorithms.
119	Estimation of Dynamic Balancing Margin of the 10-DOF Biped Robot by Using Polynomial Trajectories
121	A Deep Neural Network Architecture for Lung Cancer Detection upon Feature Extraction using Transfer Learning
123	Emotion recognition from Hindi Speech Corpus using Machine Learning
124	A Review on Skin Pigment and Vein Pattern Detection Techniques
126	A Machine Learning Approach for Estimation of Percentage Body Fat (PBF)
128	Wearable Technology for Early Detection of Hyperthermia using Machine Learning
129	A Review on: Deep Learning and Computer Intelligent Techniques using X-Ray imaging for the Early Detection of Knee Osteoarthritis.
131	Effective Real Time Disaster Management Using Optimized Scheduling
134	Brain Tumor Classification using Deep Learning Techniques
135	Application of Quantum Machine Learning for Autism Spectrum Disorder Detection in Classical Environment using Feature Fusion Based Quantum Image Maps
137	Stock Market Prediction Performance Analysis by using Machine Learning Regressor Technique
139	Identifying the Maturity Level of Coconuts using Deep Learning Algorithms
141	Classification of Rice Variant using Deep Learning
149	Design System of Urban Residential Environment Based on Interactive Genetic algorithm
150	Intelligent Evaluation Framework of English Composition Based on Intelligent Algorithm

151	Automatic Image Caption Generation using ResNet & Torch Vision
153	Enhancing Performance of Wide Area CIoT SDN by US-ML based Optimum Controller Placement
159	Comparative Analysis of Machine Learning Models for the Detection of Phishing Websites
163	Consistency Comparison of Machine Vision Images Based on Improved ORB Algorithm
164	Multimedia English Teaching System Based on Computer Information Technology
165	Application Analysis of Digital Special Effects Technology in Film and Television Post-production Based on Neural Network Algorithm
167	Enhanced Security Framework for VANET using Trust Evaluation Protocol
168	Design of Laboratory Identification Equipment based on Intelligent Identification Technology
169	Video Image Analysis of Sports Skill Training on Account of Fuzzy Clustering Algorithm
170	Real Estate Display System Based on Virtual Reality Technology
171	Production of Film and Television Animation Based on Three -Dimensional Models Based on Deep Image Sequences

List of Selected Papers for Oral Presentation

Paper ID	Title
172	3D Printing Design Simulation of Ceramic Products Based on 3D Image Reproduction Technology
173	Correlation Analysis of Central Bank Communication Behavior and Monetary Policy Independence Based on VR Technology and Machine Learning
174	Design of 3D Film and Television Pattern Making System Based on Machine Vision Technology (MVT)
176	Artificial Intelligence of Internet of Things and Virtual Reality Technology in the Image Reconstruction of Film and Television Characters
177	Data Persistence of Network Resources Recommendation System for "Python Programming" Course Based on Hibernate
178	Research on the Application of Virtual Reality Technology in Environmental Art Design
179	Power Demand Data Analysis and Recovery for Management of Power Distribution Systems
180	Wireless Sensor Network Energy Optimization by Frog Leaping Genetic Algorithm
181	Optimization Design of Green Building Landscape Space Environment Based on LM-BP Algorithm
182	Computer Vision and Pattern Recognition Technology on Account of Deep Neural Network
183	Design of Computational Thinking Intelligent Training System under Big Data Technology
184	Creative Graphic Design System Based On Multi-Objective Firefly Algorithm

187	ADAS-SEC: An Efficient Approach for the Detection of DDoS Attack in Cloud-Assisted Wireless Body Area Network for Healthcare Systems
193	A Comprehensive Analysis of Lower Extremity Based Gait Cycle Disorders and Muscle Analyses.
194	Design of 3D Image Visual Communication System Based on Computer Image Technology
195	Optimization Algorithm of Integrating Folk Art into VR Vision under Deep Learning
196	The Construction of English New Words Corpus Based on Decision Tree Algorithm
197	Design of Calisthenics Choreography and Recording System Based on Action Recognition Algorithm
198	Construction of 3D Model of ice and Snow Landscape Based on Interactive Algorithm
199	The Design and Development of Artificial Intelligence Teaching Assistant in English Subject
200	Data Analysis and Prediction of Electrochemical Properties of Carbon Nanomaterials Based on Machine Learning
201	Sensorless Control Algorithm of Permanent Magnet Synchronous Motor on Account of Neural Network
204	A Techno Aid to Ease in e-Rehabilitation
205	Classroom Learning Situation Analysis System based on Computer Vision
206	Application of VR Virtual Technology in 3D Panoramic Roaming Design System of Rural Ancient Buildings
207	A novel approach to analyse lung cancer progression and metastasis using social network parameters
210	A Comparative Study of Homogeneous and Heterogeneous Ensemble Techniques for Prediction of Software Faults
213	A Multi-Objective Genetic Algorithm Based Optimal Path Planning for 5-DoF Robotic Arm
215	Next Generation Ultra-Sensitive Surface Plasmon Resonance Biosensors
217	Improving the performance accuracy of ear recognition system using averaging ensemble technique
219	TOPSIS Based Optimal Cluster Head Selection for Wireless Sensor Network.

List of Selected Papers for Oral Presentation

Paper ID	Title
221	IoT and Machine Learning-based Covid-19 Healthcare Monitoring System Using Face Recognition.
223	HOMOMORPHIC ENCRYPTION OF NEURAL NETWORKS

225	An Analysis of House Price Prediction Using Ensemble Learning Algorithms
229	Implementation of SARSA-HMM technique for Face Recognition
230	Hindi Fake News Detection using Machine Learning
236	A Deep Learning approach for Facial Emotion Recognition using YOLOv7
241	A Centralized and Efficient Tree Classifier Based Attack Detection System for Software Defined Networks
246	A Comparative Study on Genetic algorithm and Reinforcement Learning to Solve the Travelling Salesman Problem
247	Histopathological Image Synthesis with Generative Adversarial Networks for Nuclei Segmentation
249	A comparative study on Symbolic Regression libraries to generate equations from scientific datasets
259	A Sophisticated Framework for Document Forensics
260	Diagnostic Performance Evaluation of Deep learning-based Medical Text Modelling to Predict the Pulmonary diseases from the Unstructured Radiology free-text reports
261	An empirical study to enhance the accuracy of an ensemble learning model for crop recommendation system by using bit-fusion algorithm
338	MLOps for Enhancing the Accuracy of Machine Learning models using DevOps, Continuous Integration, and Continuous Deployment
343	A Review of Problem Variants and Approaches for Electric Vehicle Charging and Location Identification
346	Design of a CBIR Model for improving forensic investigation efficiency based on bio-inspired augmentation and multimodal feature analysis
353	Bayesian Learning Model for Predicting Stability of System with Nonlinear Characteristics
354	A novel DNA Computing with Chaos for Improving Security of Medical Image
361	Virtual Yoga Instructor: A Combination of Neural Network based Pose Detector and Geometric computation based Correctness Feedback Provider
369	A novel BiLo-T based Gradient Method for Identifying Diverse Shape Variants of Ovarian Cyst in Female Pelvic MRI Imaging
375	Empirical Evaluation of Deep Convolutional Generative Adversarial Network for Generating High Resolution Synthetic Radiology Images
376	Network Tunnel Component for Backup over Internet
