ICACIT 2024

4th International conference on Advanced Computing and Intelligent Technologies

December 13-14, 2024

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December 13, 2024: Day 1

Time (GMT+5.30)		Description
9:00 AM	9:45 AM	**Keynote 1** **Prof. B B Gupta, Department of Computer Science and Information Engineering (CSIE), Asia University, Taiwan** **Join Zoom Meeting** **https://us05web.zoom.us/j/84603965992?pwd=KUWmPhuuHMYMUIGphEngbktm9PSijA.1** **Meeting ID: 846 0396 5992** **Passcode: 123456**
9:45 AM	10:15 AM	**Inaugural Session** **Guest of Honour:** • Prof. Dr. Ng. Ngalengnam, Director, Indira Gandhi National Tribal University, India • Prof. Saad Mekhilef, Swinburne University of Technology, Australia • Prof. B B Gupta, Asia University, Taiwan • Prof. Sanjoy Das, Indira Gandhi National Tribal University, India • Prof. Ankush Ghosh, ADSRS Education and Research **Join Zoom Meeting** **https://us05web.zoom.us/j/84603965992?pwd=KUWmPhuuHMYMUIGphEngbktm9PSijA.1** **Meeting ID: 846 0396 5992** **Passcode: 123456**
10:15 AM	12:00 PM	**Technical Session 1** **FD-1** **Join Zoom Meeting** **https://us05web.zoom.us/j/84603965992?pwd=KUWmPhuuHMYMUIGphEngbktm9PSijA.1** **Meeting ID: 846 0396 5992** **Passcode: 123456** **Paper Details:** 1 Enhancing Heart Disease Diagnosis with Wearable IoT Devices and Machine Learning Models 2 Deep Learning-Powered Diagnostic Model for Early Detection and Prognosis of Bone Diseases Using Radiographic Imaging

		3 Applying Machine Learning and swarm optimisation Techniques for Real-Time Decision Making in Supply Chain Management 6 An Efficient and Cost Effective Approach for Smart Pharmaceutical Cold Chain Logistics using Internet of Things 7 An advanced vision transformer technique for skin cancer identification 10 ResCrabNet: A Deep Transfer Learning Approach for Improved Crab Species Classification with Explainable AI 11 DenseCucumberNet: An Enhanced Model for Interpretable Detection of Cucumber Diseases 19 Performance Analysis of Dual Stator Polyphase Cup Cage Rotor Induction Motor with Adjustable Winding Set 22 Predicting Solar Energy Potential and Household Consumption Using Machine Learning and IoT 23 Deep Learning Approaches for Optimizing Renewable Energy Generation and Consumption Forecasting in Smart Grids 24 Deep Learning-Based Solar Tracking System for Maximizing Solar Power Generation Efficiency 29 Occluded Face Image Inpainting using Generative Adversarial Networks 34 Characterizing Shear Wave Propagatıon in an Anisotropic Layer under the Effect of Triangular Irregularity, Rigidity and Initial Stress
12:00 PM	**1:00 PM**	**Keynote 2** **Dr. Pietro Bongini, University of Siena, Italy** **Join Zoom Meeting** **https://us05web.zoom.us/j/84603965992?pwd=KUWmPhuuHMYMUIGphEngbktm9PSijA.1** **Meeting ID: 846 0396 5992** **Passcode: 123456**
1:00 PM	**2:00 PM**	**Keynote 3** **Prof. Marcin Paprazsky, Systems Research Institute, Polish Academy of Sciences, Poland** **Join Zoom Meeting** **https://us05web.zoom.us/j/84603965992?pwd=KUWmPhuuHMYMUIGphEngbktm9PSijA.1** **Meeting ID: 846 0396 5992** **Passcode: 123456**
2:00 PM	**6:00 PM**	**Technical Session 2** **FD-2** **Join Zoom Meeting** **https://us05web.zoom.us/j/84603965992?pwd=KUWmPhuuHMYMUIGphEngbktm9PSijA.1** **Meeting ID: 846 0396 5992** **Passcode: 123456** **Paper Details:** 36 Emotion Recognition Using Deep Learning on EEG Data for Stress and Anxiety Detection 38 Advancing Brain Tumor Detection with Deep Learning and Machine Learning: A performance Analysis of Different Deep Learning Models 40 Evasion Attacks on Image Classification Models: A Comprehensive Review of Strategies and Defense Mechanisms 42 Hybrid Bat Algorithm for Clustering 43 Modified Hippopotamus Optimization Algorithm for Numerical Optimization Problems 44 Design &Analysis of EBG Antenna with it's Applications 49 A comprehensive deep learning approach for precise concrete crack detection and severity classification using ensemble learning 50 Optimizing Convolutional Neural Network for Accurate Digit Recognition 76 Performance Evaluation of Edge and Cloud Technologies for Sentiment Analysis with IMDB Data 77 Recognition System: A Detection of License Plate 82 A Review on Detection of Distributed Denial of Service Attacks Using Machine Learning Techniques 84 Designing IOT based Real Time Visual Paddy Leaf Pest Detection and Feature Extraction Algorithm 89 Predictive Analysis in Cardiovascular Health: Evaluating Machine Learning Algorithm for Enhanced Diagnostics Precision 91 Enhancing Sentiment Analysis in Natural Language Processing: A Hybrid Approach of Machine Learning and Deep Learning Model for Emotion Classification 95 Integrating Data Science Methodologies in Crop Prediction to Reinforce Sustainable Agriculture 103 Human activity recognition using machine learning 105 Securing the Vote: Exploring the Potential of Blockchain-Based e-Voting System

December 14, 2024: Day 2

9:00 AM	**10:00 AM**	**Keynote 4** **Title: Internet of Drones (IoD) for Intelligent Farming** **By Prof. Biplob Ray, CQ University, Australia** **Join Zoom Meeting** **https://us06web.zoom.us/j/85307508299?pwd=fNEtIm0bFSJF85tY7G5uuJxQOkmIVb.1** **Meeting ID: 853 0750 8299** **Passcode: 123456**
10:00 AM	**12:00 PM**	**Technical Session 3** **SD-1** **Join Zoom Meeting** **https://us06web.zoom.us/j/85307508299?pwd=fNEtIm0bFSJF85tY7G5uuJxQOkmIVb.1** **Meeting ID: 853 0750 8299** **Passcode: 123456** **Paper Details:** 106 Machine Learning-Driven Design Enhancement of Microstrip Patch Antennas for Wireless Communication 107 Behavior Analysis In crowds 114 Detection of Potholes using Deep Learning and Image Processing Techniques 115 Cardiovascular Disease Prediction using ECG Match 118 Hybrid AI approach for melanoma diagnosis detection with image segmentation using mobile net and deep CNN algorithms 134 A Robust Framework for Internet of Things Harmonization in Critical Infrastructure 138 Satellite-Based Environmental Monitoring for Sustainable Well-being 145 AI Powered sign language to speech synthesis with robotic avtar 148 Analysis And Characterization Of Multi-Eye Diseases Using Deep Learning Algorithms 149 Deep Learning for Dermoscopic Diagnosis: High-Accuracy CNN in Skin Cancer Classification 150 Vehicular Assistance Communication System for Road Blockage Using Multi-Hop V2X Architecture in Hilly Terrain 151 Aggressive and Non-aggressive Text Detection from Social Media Post and Comments Using Machine Learning and Deep Learning Algorithms 152 Optimized Deep Learning Approach for Accurate Poultry Disease Detection
12:00 PM	**1:00 PM**	**Keynote 5** **By Prof. Celia Sahnaz, Department of EEE, Bangladesh University of Engineering and Technology** **Join Zoom Meeting** **https://us06web.zoom.us/j/85307508299?pwd=fNEtIm0bFSJF85tY7G5uuJxQOkmIVb.1** **Meeting ID: 853 0750 8299** **Passcode: 123456** **Passcode: 123456**
1:00 PM	**2:00 PM**	**Keynote 6** **Title: Sparse Evolutionary training in Federated Learning** **By Prof. Danilo Pelusi, Department of Communication Sciences, University of Teramo, Italy** **Join Zoom Meeting** **https://us06web.zoom.us/j/85307508299?pwd=fNEtIm0bFSJF85tY7G5uuJxQOkmIVb.1** **Meeting ID: 853 0750 8299** **Passcode: 123456**

2:00 PM	**6:00 PM**	**Technical Session 4** **SD-2** **Join Zoom Meeting** **https://us06web.zoom.us/j/85307508299?pwd=fNEtIm0bFSJF85tY7G5uuJxQOkmIVb.1** **Meeting ID: 853 0750 8299** **Passcode: 123456** **Paper Details:** 153 Design and Development of Diverse Patch Antennas for 5G Wireless Networks Utilizing Various Materials 154 Efficient Array Patch Antenna Design and Optimization for 5G Applications 156 Securing Media Integrity: A Blockchain-Based Approach against AI-Generated Deepfakes 157 Optimizing Stock Market Investment Decisions: A Comparative Analysis of Machine Learning and Deep Learning Algorithms 158 A Comprehensive study on Energy consumption analysis using Monte-Carlo simulation and Machine Learning 163 Assessing the Overall Quality of Red Wine Utilizing Classification Algorithms 165 Tumor Sight AI: Brain Tumor prediction system using Deep Learning and Explainable Artificial Intelligence (XAI). 170 ResNet50 Outperforms VGG16 and VGG19 in Tomato Leaf Disease Classification 183 Optimized Loan Eligibility Prediction Using Bayesian-Tuned Decision Trees for Enhanced Accuracy and Interpretability 187 Machine Learning Approach for Classifying Shoulder Pain Pathologies Using Ultrasound Imaging 190 Lung Cancer Stage Estimation Using EfficientNetV2B2: Formulating Gene Expression Data for Comparable ML Outcomes 190 Lung Cancer Stage Estimation Using EfficientNetV2B2: Formulating Gene Expression Data for Comparable ML Outcomes 191 Analysis of EEG Signal for AAD Classification Using Deep Learning Approach 192 Terra-Rover: IoT-Driven Autonomous Multi-Terrain Disaster Management System 195 Federated Learning in Healthcare: Benchmarking In-sights for Diabetes Treatment 196 Attention-Augmented MobileNetV2 for MRI-Based Brain Tumor Classification: Cosine Annealing, and Advanced Metrics 197 Synergizing Generative Adversarial Network-Driven Synthetic Data Pipelines with Deep Neural Networks for Enhanced Breast Cancer Diagnosis 198 Detection and Mitigation of Wireless Network Attacks Using Artificial Intelligence
6:00 PM Onwards		**Closing Session** **Join Zoom Meeting** **https://us06web.zoom.us/j/85307508299?pwd=fNEtIm0bFSJF85tY7G5uuJxQOkmIVb.1** **Meeting ID: 853 0750 8299** **Passcode: 123456** **Guest of Honour:** • Prof. Dr. Ng. Ngalengnam, Director, Indira Gandhi National Tribal University, India • Prof. Ankush Ghosh, CTO ADSRS Australia • Prof. Sanjoy Das, Professor & Head, IGNTU, India