

4th International Conference on “Emerging Trends and Technologies on Intelligent Systems”
(ETTIS-2024): Hybrid Mode
 27th - 28th March, 2024

Venue: CDAC Noida, B-30, Sector 62, Noida

Day 1: 27th March 2024, Wednesday

TIMINGS	SESSIONS
09:30-10:00	Registration
10:00-11:10	Inaugural Session
11:10- 11:40	Tea Break
11:40 -12:40	Invited Talk by Sh. Aninda Bose, Springer “Publishing Ethics and Author Services”
12:40 - 13:40	LUNCH BREAK
PARALLEL SESSIONS	
14:00-17:00	Session 1: Image Processing Invited Talk by Session Chair: Prof. Arvinder Kaur USAR, GGSIPU, Delhi
	Session 2: Quantum Computing & Hybrid Intelligent Systems Invited Talk by Session Chair: Prof. Xin-She Yang Middlesex University, London “Nature-Inspired Algorithms: Benchmarking and Insights”
	Session 3: NLP and Object Detection Approaches Invited Talk by Session Chair: Prof. Vishal Bhatnagar NSUT, New Delhi
PARALLEL SESSIONS	
16:00 - 18:00	Session 4: AI & ML Invited Talk by Session Chair: Prof. Duc Pham The University of Birmingham, UK “Intelligent Optimisation with The Bees Algorithm”
16:30 - 18:30	Session 5: Emerging Trends and Technologies Invited Talk by Session Chair: Prof. Pascal Lorenz University of Haute-Alsace, France “Advanced architectures of Next Generation Wireless Networks”

4th International Conference on “Emerging Trends and Technologies on Intelligent Systems”

Day 1: 27th March 2024, Wednesday (14:00-17:00)

PARALLEL SESSIONS

Session 1: Image Processing

Session Chair & Invited Talk by: Prof. Arvinder Kaur, USAR, GGSIPU, Delhi

S. No.	Author	Paper Title
1	Wilver Auccahuasi, Kitty Urbano, Oscar Linares, Karin Rojas, Manuel Narro-Andrade, Cecilia Plascencia-Mariño, Julia Sobrino-Mesias, Medalith Campos-Sobrino and Humberto Quispe-Peña	Method to optimize image processing based on Nvidia RTX family graphics processors (2282)
2	Muthumeena S, Subbulakshmi B and Nirmaladevi M	Deep learning framework for cardiovascular disease prediction from ECG images (3616)
3	Avinash Chouhan, Dibyajyoti Chutia, Biswarup Deb and Shiv Prasad Aggarwal	Attention based Neural Architecture Search for effective semantic segmentation of satellite images (4497)
4	Nomula Santosh, Patan Imran Khan and Saranya P	Detection of Alzheimer’s Disease from Brain MRI Images using Convolutional Neural Network (6637)
5	Parul Sharma and Dr. Pawanesh Abrol	Multi-Component Image Analysis for Citrus Disease Detection Using Convolutional Neural Networks (9734)
6	Akanksha Bali and Vibhakar Mansotra	Glaucoma Diagnosis on Retinal Fundus Images using Hybrid Neural Encoder Decoder based Unet Hybrid Inception (5904)
7	Pranesh T, Rajasurya R and Sabareesh A H	Enhancing Segmentation Accuracy of Diabetic Retinal Images using Transform Techniques and DeepLabV3+ with Ensemble Classification (2867)
8	Saurabh Ranjan, Dr. Dilip Kumar Choubey and Deepali Sharma	An Automated Classification of Eye Diseases Using SVM, KNN, and Random Forest (3411)

Day 1: 27th March 2024, Wednesday (14:00-17:00)

Session 2: Quantum Computing & Hybrid Intelligent Systems

Session Chair & Invited Talk by: **Prof. Xin-She Yang**, Middlesex University, London

Topic: “Nature-Inspired Algorithms: Benchmarking and Insights”

S.No.	Author	Paper Title
1	Prashant Gohel and Manjunath Joshi	Hierarchical Quantum Classification (3713)
2	Akshay Patil, Nagendra Singh, Abhishek Tiwari and Vivek Khaneja	Emulation of Recommendation System using QSVT Framework of QiML on CPU (3995)
3	Rolif Lima, Raunak Srivastava, Somdeb Saha, Vighnesh Vatsal and Kaushik Das	Augmenting Robot Teleoperation with Shared Autonomy via Model Predictive Control (6697)
4	Mayank Chadha, Richa Gupta, Jean Chu, Lakshika Vaishnav and Aung Chan	IoT Meal Master using Augmented Reality (6928)
5	Ajeet Singh, Appala Naidu Tentu and K. Gangadhara Rao	PQS-AKA: Post-Quantum Secure Lightweight Authenticated Lattice-based Key Agreement for IoT Communications (7249)
6	Rajnish Kumar Chaturvedi, Nitin Arvind Shelke and Jagendra Singh	Music generation using hybrid deep neural model (8359)
7	Devan Junesco Vresdian, Mordahaya Simanullang, Agung Pangestu, Anindya Ananda Hapsari, Brainvendra Widi Dionova and Legenda Prameswono Pratama	Implementation of CO and CO2 Gas Monitoring System in Residential Buildings Using WSN (8957)
8	Sailee Shewale	Next-gen driver safety: an intelligent system framework for multi-factor authentication in distraction detection (9262)
9	Dharmendra Mishra, Rohit Mishra, Priyanka Jain, Rahee Walambe, Ketan Kotecha, Naveen Kumar Jain, Rahul Neiwal and Manoj Jain	Neuroscientific Study with Hybrid Models Validation for Deception Detection (9861)

Session 3: NLP and Object Detection Approaches

Session Chair: **Prof. Vishal Bhatnagar**, NSUT, New Delhi

S.No.	Author	Paper Title
1	Aravind Krishnan A and Gerard Deepak	BDSLL: Biomedical Document Recommendation Using Knowledge Empowered Semantic Intercepted Large Language Models (2469)
2	Ranjit Subba, Roshan Prasad Kumar, Pratika Rai and Sharad Sinha	Intonation Analysis and Classification of Declarative Questions and Statements in Nepali Language Using Machine Learning Approaches (6400)
3	Swoichha Adhikari, Manan Gangwani and Adithi Varadarajan	Aspect-Based Sentiment Analysis for Slovene Texts: Models, Lexicons, and Embeddings (7112)
4	Brajesh Kumar Khare and Dr. Imran Khan	Transforming Emotions: A Comprehensive Review of Text Emotion Detection with Transformer Models (7314)
5	Mumthaz Beegum M and Aji S	Siamese BERT with Enhanced Feature Models for Paraphrase Detection (7897)
6	Yamuna Prasad, Nitin Nitin and Marc Cahay	SGPT: An Improved Sentiment Classifier Using Generative Pretrained Transformer (8187)
7	Deepak Mane, Sarthak Pithe, Hrishikesh Potnis, Soham Nimale and Madhur Vaidya	Sentiment Analysis of Marathi Texts using Deep Learning Models (9550)
8	Cherindranath Reddy, Prakriti Baral, Saisamarth Taluri and Soumya Konar	Advancing Sentence Simplification with Transformer Neural Networks (7296)

4th International Conference on “Emerging Trends and Technologies on Intelligent Systems”

Day 1: 27th March 2024, Wednesday (16:00-18:00)

Session 4: AI & ML

Session Chair & Invited Talk by: Prof. Duc Pham, The University of Birmingham, UK

Topic: “Intelligent Optimisation with The Bees Algorithm”

S.No.	Author	Paper Title
1	Dennis Thomas, Subhash K.M. and Shihabudheen K.V.	Genetic Algorithm-Based Probability Distribution Fitting for Improved Classification of Echocardiogram Regions (1989)
2	Niharika Trivedi, Yashaswini Trivedi, Prithwiji Guha and Rushik Parmar	Sign Languages and AI: A Survey of The Impact of Artificial Intelligence on Deafhood (3501)
3	Tefo Kgosietsile	Cosine Similarity Preserving Curse of Dimensionality Reduction for Managing Computational Complexity (3547)
4	Aishwarya Lr, Sai Pooja V R and Swetha Rameswaran	Disease Classes Identification And Association Rules Extraction Using Medical Records (7623)
5	Ashish V, Boppuru Prathap and Kukatlapalli Kumar	Detecting Cyberbullying in Twitter: A Multi-Model Approach (7604)
6	Madhumati M, Rachanna Ullagaddi, Sonal Sheth, Prabha C Nissimagoudar, Kaushik M and Nalini C Iyer	Pose Estimation: Human Key-Point Prediction (7570)
7	Rohan P. Jadhav and Sunita Dhavale	Deep Neural Network based Yoga Posture Classification using Human Pose Estimation (9052)
8	Balaram Yadav Kasula and Dr. Pawan Whig	Enhancing Cybersecurity Defenses: A Comprehensive Exploration of Applied Artificial Intelligence Strategies (810)

4th International Conference on “Emerging Trends and Technologies on Intelligent Systems”

Day 1: 27th March 2024, Wednesday (16:30-18:30)

Session 5: Emerging Trends and Technologies

Session Chair & Invited Talk by: Prof. Pascal Lorenz, University of Haute-Alsace, France

Topic: “Advanced architectures of Next Generation Wireless Networks”

S. No.	Author	Paper Title
1	Yugam Parashar and Vinod Pathari	A Blockchain based Land Registration System in the Indian context incorporating mortgage and legal aspects (1014)
2	Wilver Auccahuasi, Kitty Urbano, Oscar Linares, Karin Rojas, Luis Gordillo-Huamanchumo, Cecilia Plascencia-Mariño, Julia Sobrino-Mesias, Medalith Campos-Sobrino and Humberto Quispe-Peña	Method for the management of wireless networks in health care facilities (1304)
3	Ritik Mohite and Rekh Ram Janghel	Precision in Planetary Exploration: Crater Detection with Residual U-Net34/50 and Matching Template Algorithm (1918)
4	Rosca Cosmina-Mihaela and Carbureanu Madalina	A Comparative Analysis of Sorting Algorithms for Large-Scale Data: Performance Metrics and Language Efficiency (1093)
5	Dr. Pritee Auckloo, Sanjay Ojha, Anupama Joshi, Himanshi Gupta, Hrithik Pandey, Manisha Bhakuni and Shikha Bisht	URBAN GREENS: An Initiative towards clean air (3439)
6	Fabiana Pineda-Barrientos, Wilver Auccahuasi, Kitty Urbano, Oscar Linares, Karin Rojas, Grisi Bernardo, Julia Sobrino-Mesias, Medalith Campos-Sobrino and Humberto Quispe-Peña	Low-cost system based on IoT technology, for monitoring (4449)
7	Abhijit Das, Akanksha Subudhi, Priyanka Jain, Rahee Walambe, Ketan Kotecha, N. K. Jain, Rahul Neiwal and Manoj Jain	Neuro-ocular Dynamics in Stress Detection An Integrated Analysis of EEG and EOG Modalities (4780)
8	Afsal Cp and Kuppusamy Ks	Comparative Assessment of Accessibility and Readability in Generative AI: A Case Study of GPT and Google BARD (5501)
9	Indraja Lekkala, Likitha Mandyam, Jayanthi Chittipothala, Manivannan Thulasiraman, Aravindraj Ezhumalai and Sathiyarayanan Elumalai	A Multi-band Sierpinski Arrowhead Fractal Antenna with 3 x 3 CSRR Array for Various Wireless Applications (4722)