

3rd International Conference on “Emerging Trends and Technologies on Intelligent Systems”

Day 2: 24th February 2023, Friday (10:00-12:30)

PARALLEL SESSIONS

Session 5: Deep Learning, Fuzzy and Neural Networks

Session Chair & Invited Talk by: Prof. Abhijit Sen, Kwantlen Polytechnic University, Canada

Topic: “The Role and Implications of Humane Engineering in AI”

S.No.	Author	Paper Title
1	Angel T. S., Paulomi Sengupta, Ravikumar Pandi V., Kanakasabapathy P.	Forecasting of Electrical Energy Consumption and Power Generation from Wind Energy Using Deep Learning Algorithms (1439)
2	Akshansh Gupta, Somsukla Maiti, and Pranabesh Maji	Gaze Tracking Using Capsule Based CNN architecture for HMI (4454)
3	Manikandan.A, Thirumal.S, Kumar.N	Automated Cash Liquidity Flow Monitoring and Registry Using Deep Learning (6356)
4	R R. Ramya, S.Vinitha Shree, S.Yogeshwari, S.Venkatesan	Solid Waste Identification and Classification Method Based on Feature Selection and Hybrid ResNet CNN Models in Smart Environment (3616)
5	Umamaheswari Rajasekaran, Sriram G K, Ramyavarshini P, Dr. A. Malini	XAI based Light-Weight CNN-HAR model using Random Sampling (4310)
6	Abirami K and Dr. P. Deepa Lakshmi	Classifying and Mapping the Learning Methods for the Autistic and Spectrum Disorder Kids using Novel Deep Learning Techniques (7543)
7	Amita Sharma and Dr. R. S. Jadon	Study and Analysis of different Convolution Neural Network Techniques to Classify Indian Visual Arts (1359)

Session 6: AI and ML

Session Chair & Invited Talk by: Prof. Bhagwati Prasad Chamola, Jaypee Institute of Information Technology, Noida

S.No.	Author	Paper Title
1	Dhwani Gopalbhai Thakkar, Richa and Shivani Gupta	Approach for Ranking in Recommender System using Hinge Loss Function (6212)
2	Syed Ghyasuddin Hashmi, Fazal Imam Shahi, Khalid Ali Qidwai, Mohammed Naser, Mohammed Shafiuddin, Kamal Upreti	Role of Machine Learning in the Analysis of Mental Health Data: An Empirical Approach (6176)
3	Dr. Auckloo Pritee , Sanjay Ojha Lata Sinha, Somiya Bhardwaj, Nitish Gupta, Tarun Chawla and Arpit Samadhiya	Food Recommendation System based on mood of the User (7233)
4	Ashly Ann Jo, Caina Rose Paul, Arundhathi Nair S, Jeena Thomas and Ebin Deni Raj	Tabular Data Interpretation on Covid-19 Through Explainable Machine Learning (7640)
5	Megha Bansal, Vaibhav Vyas, Ashish Khanna, Neha Goel, Mitanshi Rustagi	Machine Learning Framework for Stress Identification of Humans (3693)
6	Isha Gupta, Divya Chahal, Haripriya Bhargav, Shweta Kumari, Vibha Pratap	Brain Tumour: Analysis with Resolution Enhancement Methods using Machine Learning Techniques (5543)
7	Chandrakant Mahobiya, Dr. Shailesh Iyer and Dr. Savita Kolhe	A Novel Approach for Detection of Soybean Leaf Disease using Bayesian Optimized-KNN Classifier with NCA based Feature Selection (2931)

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Session 7: Emerging Trends and Technologies

Session Chair & Invited Talk by: Prof. Gaurav Trivedi, IIT Guwahati

S.No.	Author	Paper Title
1	Swati Maste, Pallavi Prabhu, Chinmayi Shetty, Richa Sharma, and Arti Arya	Multi-Step Online Hate Speech Detection and Classification using Sentiment and Sarcasm Features (1777)
2	Madhulika, Sangeeta Sabharwal and Preeti Kaur	Analysis of Community Detection Algorithms with Social Networks (7436)
3	Monali Kishor Patil, Nandini Chaudhari, B.V. Pawar, Ram Bhavsar	Overcoming the challenges in multi-class context-based Sentiment Analysis (9656)
4	Mohd Azlishah bin Othman ¹ , Nur Saqirah Adnan ¹ , Mohammad Harris Misran, Maizatul Alice Meor Said, Abd Shukur bin Jaafar, Redzuan Abd Manap, Shadia Suhaimi, Nurmala Irdawaty Hassan	Design and Analysis of a Dual-Band Quad Ridge Horn Antenna using 3D Printing and PLA for Wireless Communication Enhancement Performance (3305)
5	Sankalpna Mahamuni, Richa, Subhra Rani Patra and Geetanjali Kumari	Analyzing the Involvement of various Similarity Measures in Trust and Distrust based Recommender System (4265)
6	Mohd Azlishah bin Othman, Abd Shukur bin Jaafar, Redzuan Abd Manap, Mohammad Harris Misran, Maizatul Alice Meor Said, Shadia Suhaimi, Nurmala Irdawaty Hassan	Next-Gen 5G Antenna: Antipodal Vivaldi Antenna Using Ferro A6s for Enhanced Performance at 60 GHz (9981)

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PARALLEL SESSIONS

Session 8: NLP and Object Detection Approaches

Session Chair & Invited Talk by: Dr. Saswati Dana, IBM India Research Lab

Topic: “Large Language Models for Code”

S.No.	Author	Paper Title
1	Bharath Mohan G, Prasanna Kumar R, Keerthana NL, Mukesh D, Hemesh RM, Inti Vamsi Priyanka, Parthasarathy S	Cross Lingual Machine Translation: An analysis Model For Low Resource Languages (1276)
2	Srinivasa Burri and Sunmeet Kohli	Implementing GANs for image generation and spectral normalization (5350)
3	Batchu Sai Suraj, S Suhas, Shabarinath K, Suhas R, and Pooja Agarwal	Recognition and Replacement of Handwritten Text into Digitized Text (9283)
4	Santosh Kumar, Amarjeet Sharma and Ritesh R. Dhote	A Survey on Indian Sign Language Translation using Artificial Intelligence (5102)

Session 9: NLP and Object Detection Approaches

Session Chair & Invited Talk by: Dr. Marcin Paprzycki/ Dr. Katarzyna Wasielewska-Michniewska, Systems Research Institute, Polish Academy of Sciences, Warsaw, Poland

S.No.	Author	Paper Title
1	Anubhava Srivastava and Susham Biswas	Analyzing Land Cover Changes in Lucknow over Landsat-7 Data using Google Earth Engine (2814)
2	Manish Khare, Paras Bhanwal, Yash Agrawal	Improved Multi-scale Retinex For Image Enhancement Using Guided Filter And Customized Sigmoid Function (8122)
3	Virendra Kumar Meghwal, Namita Mittal and Girdhari Singh	A Multiheaded Attention based Model for Generating Hindi Captions (8025)
4	Pawan Lahoti, Namita Mittal, and Girdhari Singh	An Ensemble BERT model for English-Hindi-Marathi Multilingual Question Answering (990)