INTELLIGENT SYSTEMS -PROCEEDING OF ICIS-2022

EDITORS

DHARAM BUDDHI RAJESH SINGH ANITA GEHLOT

UTTARANCHAL UNIVERSITY, INDIA



Intelligent Systems - Proceedings of ICIS-2022

11-12th March 2022

Prof. (Dr.) Rajesh Singh, Uttaranchal University, India Prof. (Dr.) Anita Gehlot, Uttaranchal University, India Prof. (Dr.) Dharam Buddhi, Uttaranchal University, India

International Conference on Intelligent Systems (ICIS) has been organized by Uttaranchal University, Dehradun during 11th -12th March 2022. The inaugural ceremony was held in hybrid mode (online & offline) and 400+ attended the session. Chief guest-Dr.Hemant Nandan Panwar (Head-Gulf organization for research & development, Qatar) discussed role of AI & IoT in energy prediction and maintenance, guest of honor-Dr. Ronald Comester (DGM, Ceylon electricity board, Sri Lanka) shared his views on Smart energy meters and customization & scalability. Keynote speakers - Prof.(Dr.) Dharmendra Singh (IIT Roorkee, India), Prof.(Dr.) Neelendra Badal (Director-, Rajkiya Engineering College Bijnor), Prof.(Dr.) Siba Udgata (Professor. Central University Hydrabad), Prof.(Dr.) Michael G. Albino President Ramon Magsaysay State University, Castillejos Campus, Philippines), Prof.(Dr.) Teacher Emmanuel Ododo (Department of Computer Education and Robotics, University of Uyo), Prof.(Dr.) Essien HOD of Computer and Robotics Education department Abubakar Tafawa Balewa University, Bauchi).

Total 180 papers were received including authors from India, Nigeria, USA, Philippines, Turkey, Korea and Oman. 52 out of 180 papers were accepted and all papers were presented during conference. An acceptance ratio of 28% was maintained and good quality papers were accepted after rigorous review process. Similarity index was checked through plagiarism software "Turnitin".

International Conference on "Intelligent Systems" (ICIS-2022)

11-12th March 2022

S.no	Authors	Title
1	Kirti Gupta, Pardeep Kumar, and Shuchita Upadhyaya	Comparative Analysis of Different Machine Learning Classifiers for the Prediction of Chronic Diseases
2	Rajeev Subedi, Anil Kumar Dahiya, Narendra Kumar	DEEP LEARNING METHODS FOR ANOMALY DETECTION
3	Deepak Negi, Mahadev, Basudeo Singh Roohani , Ravindra Sharma	Multiple Fractal Keys Encryption for Audio
4	M S Sunitha Patel, Srinath S	Automotive Imbalance Dataset Analysis and Solution using Deep Learning Algorithm
5	Sakshi Rastogi, Gaurav Kumar Srivastava, Sunil Kumar Vishwakarma	AN EFFICIENT APPROACH TO DETECT DEPRESSION THROUGH PREDICTIVE ANALYSIS
6	Ishteyaaq Ahmad1, Sonal Sharma2, Gulsun Kurubacak3 Ajay Kumar4, Rajiv Kumar5 Sikha Ahmad6	Artificial Intelligence in MOOCs: A Bibliometric Perspective
7	Shilpa Garg, Dr. Sumit Mittal and Dr. Pardeep Kumar	RoTFace: A Framework for Robust and Time Efficient Face Recognition System
8	Rashmi Mishra, Sakshi koli, Pragya Kamal, Ramnarayan, PreetiRaturi, Teacher Emmanuel Ododo	A Real Trust Behaviour Based ACO Routing Algorithm for MANET
9	Aditya Shukla, Pankaj Kumar Gond and Dr. Harvendra Kumar	A Comparative Study of Association Rule Mining and Its Preliminaries
10	Ram Narayan, Akansha Singh, Sandeep Sharma, Sakshi Koli, Anuj Kumar and Kapil Joshi	Role of Machine Learning in Cloud Securing data and Cloud Cryptography
11	Gurmeet Kaur1, Dr. Jyoti Pruthi2, Dr. Parul Gandhi3	SYSTEMATIC REVIEW OF SOFTWARE FAULT PREDICTION MODELS USING SOFT COMPUTING
12	Ms.R.Selvi, Dr.C.Vijayakumaran	A Systematic Review on Emotion Recognition System Using Physiological Measures
13	Dr. Sunil Ghildiyal, Dr. Kapil Joshi, Dr. Minakshi Memoria and Dr. Ashish Gupta, Thanh-lan Thi Nguyen3,Sagar Bhatt4	Challenges in Implementation of Information and Communication Technologies in Education

14	Kiran Kandula and Venkata Rao Nimmagadda	Retrofitting and Restrengthening of RC beam Using FRP Technology
15	P. D. Dewangan, N. Patnana, Lalbihari Barik, P. J. Krishna, V. P. Meena and V. P. Singh	Efficacy of GWO Algorithm by Varying One Algorithm-Specific Parameter
16	1Archika Jain, 2Devendra Somwanshi, 3Barkha Narang	Data Mining Based Diseases Classification
17	Himanshu Sharma, Anuj Goel, Ankur Singhal and Nemish Dikkala	Cognitive Radio Engine Design using PSO and Firefly Algorithm
18	Dr. Sunil Shukla	COMPLEX DYNAMICS OF FIRST SUPERIOR BARNSLEY FRACTALS
19	Santosh M Nejakar1, Suprith P G2, Mohammed Riyaz Ahmed3 , Santosh Herur4	Simulation and Performance Analysis of PDSCH in 5G NR
20	Naman Jain, Namita Tiwari and Meenu Chawla	A Review on the Integration of Blockchain and IoT
21	Gaurav Singh Negi1, Mukul Kumar Gupta2, Nitin Kumar Saxena3	Consensus and control of Micro Grid using Graph Theoretical Approach
22	Pulkit Jain and Paras Chawla	Algorithm for food item recognition using VGG-16 and InceptionV3 CNN
23	Marulasiddappa H B and Pushparajesh Viswanathan	Performance Analysis of PMSM Using a DTC-based ANFIS Controller for Electric Vehicle
24	Vaibhav Yadav, Ayush Gupta, Sanjiv Tomar, Dr. Prabhishek Singh, Manoj Diwakar and Dr. Kapil Joshi	Realtime Mask and Face Detection Using Tensor Flow, Keras, and OpenCV
25	Jatin Nimade, Namita Tiwari and Meenu Chawla	A Review on Attack Detection On Software Define Network
26	Suraj Singh Panwar, M.M.S. Rauthan, Arti Rana and Varun Barthwal	A Systematic Evaluation on Energy-Efficient Cloud Data Centers with Reduced SLAV
27	1Devesh Maithani, 1Abhishek Chauhan, 2Himani Maheshwari, 2Amarjeeet Rawat	ARTIFICIAL INTELLIGENCE ADVANCES IN DRUG DISCOVERY
28	Amarjeet Singh, Vinay Singh, Alok Aggarwal, Shalini Aggarwal, Pratibha Pandey and Manisha Khanduja	Identification of the deployment defects in Micro- service hosted in advanced VCS and deployed on containerized cloud environment
·		

29	Sunil Kumar, Aditya Saxena, Prabhishek Singh, Manoj Diwakar and Kapil Joshi, Dr. Van Cuong Nguyen	Artificial Intelligence based Improved Accuracy Model for Edge Computing, and IoT
30	Siddharth Shankar Bhatt, Amit Bhatt, Jayanti Ballabh, Sunil Prakash, Dev Baluni and Smritilekha Majumder	Automation in Horticulture: The Future of Orchards
31	Awadhesh Chandramauli*, Ritu Bisht*, Nishima Chadha*, Vinod Balmiki , Teacher Emmanuel Ododo	THE EFFECT OF DOMESTIC BIOMEDICAL WASTE ON SOIL PH AND TDS
32	Ashish Tiwari, Sarvesh Kumar, Prabhishek Singh, Manoj Diwakar and **Kapil Joshi, Thanh-lan Thi Nguyen6	Lightweight Dynamic traffic congestion based Authenticated Protection in Computing Services
33	Sonal Sharma, Praveen Shah, Sameer Sharma and Abhishek Pathak, Mohammed Ismail Iqbal5	A Bibliometric Analysis of Stress Level Prediction of Working Pregnant Women using VosViewer
34	Tom Jose Oorasala, Ritesh Kumar Shukla, Sunkari Serena and Jayavignesh Thyagarajan	SMTP Playground: A secure privacy preserving web and mobile application for automation of sending and scheduling bulk emails to multiple receivers
35	Shikha Yadav and Jeevan Bala	A Review on Watermarking Techniques Based on Deep Learning Neural Networks
36	Selvakumar S1, Naresh T K1, Dinesh A1, Jayavignesh T1	COMPARATIVE ANALYSIS AND SIMULATION OF INTERNET ROUTING PROTOCOLS IN DIFFERENT NETWORK TOPOLOGIES USING NETSIM
37	Dr. Radhey Shyam Jha1, Dr. Nidhi Tyagi2, Dr. Prabha Lama3, Kumar Ashutosh4 & Amit Kumar5	SOCIO-PSYCHO EFFECT OF INTELLIGENT SYSTEM ON SOCIETY
38	UdayamoorthyVenkateshkumar*, C.S.R.Kavin*, S.Krishnan, N.Jagadesh	IOT BASED WEATHER STATION MONITORING SYSTEM FOR SOLAR POWER PLANT
39	Annie Ann Abraham, Diya Susan Eapen, Jo Cheriyan and Lekshmi Nair	Analysing Tweets of Covid 19 Vaccination drive in India

40	Rupinder Kaur1, Sarvesh Kumar2, Prabhishek Singh3, Manoj Diwakar4, Rajesh Singh5, Kapil Joshi6, Sunil Kumar7	Object Recognition and Detection of Submarine Objects Utilizing Neural Network Optimum Techniques
41	Ruby Pant, Dr. Shushant Singh, Saurabh Aggarwal, Vivek John and Kalpit Joshi,	Effects of SPD Techniques on Microstructure Properties of Materials: For Industrial Applications
42	1Dr. Kapil Joshi, 2Dr Ritesh Rastogi, 3Dr. Gunjan Chhabra, 4 Sheeba Praveen, 5Rohit Kanauzia, 6Michael G. Albino	Human Computer Intelligent Interaction Based on sEMG Signals for Upper Limb Movements
43	Mukesh Pandey, Satish Kumar Mahariya, Dr. Shiv Dayal Pandey, Dr. Kapil Joshi and Dev Baloni, Jefferson A. Costales	A Comparative Analysis of Cardiovascular Disease using Different Machine Learning Techniques
44	Kota Krishna Koundinya1, Karthik Pavan Kumar Gunturu2, Dr. Madhu Sharma3	OVERVIEW OF VARIOUS STUDIES ON TECHNICAL ASPECTS AND SIGNIFICANCE OF A STIRLING ENGINE INCORPORATED CSP SYSTEM
45	Mukesh Kumar1, Pooja Joshi2, Ravi Dhaundiyal 3, Arzoo Chamoli4, Gaurav Singh Negi5, Siddharth Shankar Bhatt¬¬6, Michael G. Albino7	A Novel Region-Based Image Segmentation Method Using GLCM Algorithm
46	Ummul Waraah, Adwitiya Prakash Tiwari, Poonam Rawat and Radhey Shyam Jha	DATA BREACH IN HEALTHCARE INDUSTRY: AN INFRINGEMENT OF RIGHT TO PRIVACY; A MODERN ERA EFFECT
47	Saurabh Aggarwal, Sanjeev Kumar Joshi and Vivek John, Dr. Van Cuong Nguyene	THERMO-HYDRAULIC PERFORMANCE ENHANCEMENT OF A RIBBED CHANNEL DUCT USING ANN & TAGUCHI APPROACH
48	Reeta Rautela1, Ashutosh Sharma2, Gaurav Thakur 3, Vinod Balmiki 4, Shravan Kumar5, Shruti Goel6	Economic impacts of artificial intelligence in India
49	Gaurav Thakur 1, Vinod Balmiki 2, Anita Gehlot3, Sanjeev Kumar Shah 4, Shiv Dayal Pandey 5, Mohammed Ismail Iqbal6	Advancements in IoT Based Intelligent Systems for Bridge Health Monitoring

50	Manoj Kumar Sharma1, Vineet Kishore Srivastava2 , Shalu Chaudhary 3, Sanjeev Kumar Shah4, Satya Jeet Singh5 ,Mukesh Kumar6	A Descriptive Statistical analysis of the effectiveness of Lockdown in India
51	Vineet Kishore Srivastava1, Rakesh Chandra Bhadula2, Ajay Sharma3, Sanjeev Kumar Shah4, V.N. Kala 5& Satya Jeet Singh 6	A STUDY OF VARIOUS STAGES IN HUMAN COMPUTER INTERACTION
52	Deepak Srivastava, Pramod Kumar and Dr. Sunil Ghildiyal	A Machine Learning-Based Method to Predict of Drug–Target Association Based On Multiple Feature Information Selection and Reduction Techniques