

PROGRAMME SCHEDULE

Day 1: Thursday, January 18, 2024

(IST)

09:00Hrs – 10:00 Hrs
(E2 Foyer)

Registration

09:15Hrs – 9:45 Hrs
(F1 MDP)

Keynote Address 1 by Prof. (Dr.) Suresh Vishwakarma, Senior Engineer University of Trinidad and Tobago, Canada, on “Sustainable Practices and Strategies in Electronics Engineering for a Sustainable World”

09:15Hrs – 9:45 Hrs
(F3 Seminar Hall)

Keynote Address 2 by Prof. (Dr.) Chanchal Roy, University of Saskatchewan, Canada on “Large Scale Clone Detection, Analysis and Benchmarking in the AI era”

09:15Hrs – 9:45 Hrs
(F3 MDP)

Keynote Address 3 by Prof. (Dr.) Gautam Srivastva, Brandon University, Canada, on “Solving Cloud Computing as a Security Vulnerability”

09:45Hrs – 10:15 Hrs
(F1 MDP)

Keynote Address 4 by Prof. (Dr.) Banani Roy, University of Saskatchewan, Canada on “Supporting Multidisciplinary Data Analytics”

09:45Hrs – 10:15 Hrs
(F3 Seminar Hall)

Keynote Address 5 by Prof. (Dr.) Hisao Ishibuchi, Southern University of Science and Technology, China, on “New Research Directions in Evolutionary Multi-Objective Optimization”

09:45Hrs – 10:15 Hrs
(F3 MDP)

Keynote Address 6 by Prof. (Dr.) Mohd Helmy Bin Abd Wahab, University Tun Hussein Onn, Malaysia on “Designing Cyber Physical System for Smart Applications”

10:00 Hrs– 12:00 Hrs
(E2 Audi)

Inaugural Session

10:00 Hrs – 10:07 Hrs

Lamp Lighting

10:07 Hrs – 10:15 Hrs

Welcome Address by Prof. (Dr.) Manoj Kumar Pandey, Director, Amity School of Engineering & Technology, AUUP & General Chair, Confluence 2024

10:15 Hrs – 10:22 Hrs

Curtain Raiser: Introduction to Theme of Confluence-2024 by Prof. (Dr.) Sanjeev Thakur, HOD CSE, Amity School of Engineering & Technology, AUUP & Conference Chair Confluence 2024

10:22 Hrs - 10:29 Hrs

Address by Prof. (Dr.) K.M Soni, Deputy Dean, Domain - Engineering & Technology, AUUP

10:29 Hrs – 10:37 Hrs

Address by Prof. (Dr.) Balvinder Shukla, Vice Chancellor, AUUP & Co Patron, Confluence 2024

10:37 Hrs - 10:42 Hrs	Release of Confluence 2024 Proceedings
10:42 Hrs- 10:52 Hrs	Address by Guest of Honor Dr. Sanjeev Panwar, Principal Scientist, Indian Council of Agriculture Research, Govt. of India
10:52 Hrs-11:02 Hrs	Address by Guest of Honor Prof. (Dr.) Dinesh Manocha, University of Maryland, College Park, USA
11:02 Hrs-11:12 Hrs	Address by Guest of Honor Prof. (Dr.) Chandrajit Bajaj, University of Texas, USA
11:12 Hrs- 11:22 Hrs	Address by Guest of Honor, Prof. (Dr.) Sharath Chandra Guntuku, University of Pennsylvania, USA
11:22 Hrs- 11:32Hrs	Address by Guest of Honor, Prof. (Dr.) Abhinav Bhatele, University of Maryland, College Park, USA
11:32 Hrs- 11:39 Hrs	Conferring Honorary Professorship & Acceptance Speech by Prof. (Dr.) Chandrajit Bajaj, University of Texas, USA
11:39 Hrs – 11:46 Hrs	Few Thoughts by Dr. Atul Chauhan, Chancellor, Amity University, President, Ritnand Balved Education Foundation, CEO, AKC Group of Companies, Patron, Confluence 2024 (To be Confirmed)
11:46 Hrs – 11:53 Hrs	Few Thoughts by Dr. Ashok K Chauhan, Founder President, Ritnand Balved Education Foundation, Patron in Chief, Confluence 2024 (To be Confirmed)
11:53 Hrs- 12:00 Hrs	Vote of thanks by Dr. Garima Aggarwal, Head International Collaboration for E&T, Amity School of Engineering & Technology, AUUP & General Co-Chair Confluence 2024
12:00 Hrs- 12:30 Hrs	High Tea
12:30 Hrs- 14:00Hrs (E2 Audi)	Industry Forum: Leading Technologies and Future Directions for Next Generation Engineering Innovators Commodore. Nitin Kapoor (Retd.), Head-Human Resources, Lumiq Dr. I. M. Loya. Group CTO, Essel Group Mr. Rohit Kumar, Head of R&D, CSC e-Gov, Ministry of Electronics & Information Technology (Government of India) Mr. Gautam Duggal, Director, Global Talent Management & Learning, MasterCard Mr. Ankur Jain, CTO, OnGraph Technology Mr. Rohit Das, Partner, Grant Thornton Bharat LLP Mr. Saurabh Shukla, Principal - Business Consulting, Infosys
12:30 Hrs– 13:00 Hrs (F3 Seminar Hall)	Keynote Address 7 by Prof. (Dr.) Alfredo Cuzzocrea, University of Calabria, Italy, on “Big OLAP Data Cubes in Multidimensional Big Data Analytics: A Shift-Paradigm for Next -Generation Big Data Analytics”
12:30 Hrs– 13:00 Hrs (F1 MDP)	Keynote Address 8 by Prof. (Dr.) Giancarlo Fortino, University of Calabria, Italy, on “Edge Intelligence for the Next-generation IoT System”
12:30 Hrs– 13:00 Hrs (F3 MDP)	Keynote Address 9 by Prof. (Dr.) Hiroyuki Sato, University of Electro-Communications, Japan, on “Sustainable Real-World Applications through Evolutionary Multi-Objective Optimization”

12:00 Hrs- 14:00 Hrs
(E3 312)

Session Chair: Dr. Sushil Kumar, G B Pant Engineering College, Delhi, India
Session Co-Chair: Dr. Sumit Kumar, Amity University Uttar Pradesh, India

Presentation: Track 1A- Machine Learning (offline)

Paper ID: 224 Aditya Singh, Aryan Mehta, Ali Asgar Padaria, Nilesh Kumar Jadav, Rebakah Geddum, Sudeep Tanwar, "Enhanced Pothole Detection using YOLOv5 and Federated Learning"
Paper ID: 723 Aditi Arora, Chirag Sehgal, Neha Agarwal, "An Analysis of Machine Learning Algorithms for Chronic Kidney Disease Prediction"
Paper ID: 725 Ayushi Mishra, Aadi Bharwaj, Aditya Kumar Yadav, Khushi Batra, Nidhi Mishra, "DEEPFAKES - Generating Synthetic Images, and Detecting Artificially generated fake visuals using Deep Learning"
Paper ID: 770 Geetika, Paarth Bhardwaj, Nimish, Vaibhav Bhargava, Shivendra Singh, "SkinSage - Lesion Diagnosis using Deep Learning Techniques"
Paper ID: 832 A.Ilavendhan, Srinivasa Narayanan.A, N.Janani, "Optimizing YouTube Spam Detection with Ensemble Deep Learning Techniques"
Paper ID: 1197 Rashmi Gandhi, Abhishek Saini, Saumya Gaikwad, "A Framework for Abstractive Text Summarization using Hugging Face Transformers"

12:00 Hrs- 14:00 Hrs
(E3 311)

Session Chair: Dr. Vishal Gupta, NSUT East Campus, Delhi, India
Session Co-Chair: Dr. Nitish Kumar, Amity University Uttar Pradesh, India

Presentation: Track 1B- Machine Learning (online)

Paper ID: 187 Shrey Arora, Siddharth Mahapatra, Anil Jadav, Manojee Barla, Nishant Mallick, "Temporal and Sentimental Analysis of Customer Reviews"
Paper ID: 190 Akanksha A Mathpati, Husain M Sadriwala, Shilpa Shinde, "Dynamics of Cyberbullying on Twitter: ML Detection Models and the Catalytic role of Tweets engagement metrics"
Paper ID: 196 Kirandeep Kaur, Nirbhay Kashyap, "Fake News Detection using Boosting Ensemble Method"
Paper ID: 222 M.A.Jayaram, Bhuvan Gowda, "Machine Learning-Based Surrogate Models for Construction Project Duration Prediction"
Paper ID: 229 Ipsha Gupta, Dhvani Vashisth, Rakesh Garg, "Performance Comparison of Machine Learning Algorithms for Parkinson's Disease Detection"
Paper ID: 231 Amit Kumar Mishra, Rahul Sharma, Jagendra Singh, Prabhishkek Singh, Manoj Diwakar, Mohit Tiwari, "A Novel Deep Learning Based Approach For Detecting And Localization Of Pulmonary Cancer"
Paper ID: 238 Anukriti Naithani, Shailendra Narayan Singh, Krishna Kant Singh, Sushil Kumar, "Machine Learning for Cloud-Based DDoS Attack Detection: A Comprehensive Algorithmic Evaluation"
Paper ID: 394 Anil B. Desai, D. R. Gangodkar, Kumud Pant, Bhaskar Pant, "Harnessing the Potential of Light Gradient Boosting Machine for Accurate Diagnosis of Schizophrenia from EEG Signals"
Paper ID: 686 Shashi Shekhar Kumar, Rojer Tufani, Ritesh Chandra, "An Analytical Comparison of Statistical and Machine Learning Approaches for Time Series Data Analysis"

12:00 Hrs- 14:00 Hrs
(E3 310)

Session Chair: Dr. Sunita Tiwari, G B Pant DSEU Okhla I Campus, Delhi, India
Session Co-Chair: Dr. Juhi Singh, Amity University Uttar Pradesh, India

Paper Presentation Track 2A- Image/Video Processing (offline)

Paper ID: 225 Mohd Faisal, Angad Singh, Shailendra Narayan Singh, "A Review of Real-Time Sign Language Recognition for Virtual Interaction on Meeting Platforms"
Paper ID: 650 Shambhavi Vats, Jahnavi Bhatt, Rajni Sehgal Kaushik, Renuka Arora, "A Light-Weight CNN-based Approach for Early Detection of Alzheimer Disease"
Paper ID: 667 Sumit Kumar, Devanshu Mittal, Vibha Nehra, "C-SPIN: Classification of Satellite Images for Prediction Network"

Paper ID: 758 Anushka Singh, Fahad Eqbal Hashmi, Naman Tyagi, Anant Kumar Jayswal, "Impact of Colour Image and Skeleton Plotting on Sign Language Recognition Using Convolutional Neural Networks (CNN)"

Paper ID: 1037 Ishita Singh, Arunima Jaiswal, Nitin Sachdeva, "Comparative Analysis of Deep Learning Models for Potato Leaf Disease Detection"

Paper ID: 1038 Nandita, Arunima Jaiswal, Nitin Sachdeva, "Early Prediction of Rice Leaf Disease Using Deep Neural Network Models"

**12:00 Hrs- 14:00 Hrs
(E3 309)**

Session Chair: Dr. Deepti Kakkar, NIT, Jalandhar

Session Co-Chair: Dr. Sumita Gupta, Amity University Uttar Pradesh, India

Paper Presentation Track 2B- Image/Video Processing (Online)

Paper ID: 625 Smriti Sharma, Himanshu Mittal, "Evaluation of CNN Models for Alzheimer's Classification using MRI Images"

Paper ID: 646 Ritesh Chandra, Sadhana Tiwari, Shashi Shekhar Kumar, Sonali Agarwal, "Diabetic Retinopathy Prediction based on CNN and AlexNet model"

Paper ID: 690 D. Jyothsna, G. Ramesh Chandra, "Multi-Object Detection in 3D Point Cloud's Range Image using Deep-Learning Technique"

Paper ID: 761 Daksh Chaudhary, Kapil Sharma, Vikas Sharma, Prasuk Jain, "GRU-Enhanced Decoding by Lightweight Transformer for Image Captioning"

Paper ID: 822 Uppamma Posham, Sweta Bhattacharya, "Diabetic Retinopathy Detection using Deep Learning Framework and Explainable Artificial Intelligence Technique"

Paper ID: 813 Ipsit Singh, Chitrapriya Ningthoujam, Vishnu Prasad Verma, Bijoyeta Roy, Chingtham Tejbanta Singh, "Transforming Multiclass to Multilabel: Advanced Approaches in Image Classification"

Paper ID: 286 Apoorva, Anushka Shankar. Anushree Bondia, Ritu Rani, Garima Jaiswal, Arun Sharma, "Gesture-controlled virtual mouse and finger air writing"

**12:00 Hrs- 14:00 Hrs
(E3 316)**

Session Chair: Dr. Nikhil Kumar Marriwala, UIET, Kurukshetra University, Kurukshetra, India

Session Co-Chair: Dr. Anshul Tickoo, Amity University Uttar Pradesh, India

Paper Presentation: Track 3A- IOT & Automation (Online)

Paper ID: 1074 Satya Chaudhary, Yogi Patel, Sachi Chaudhary, Rajesh Gupta, Riya Kakkar, Sudeep Tanwar, Anuja Nair, "Blockchain-based Decentralized Application for Telesurgery in Metaverse Environment"

Paper ID:1238 Mohit Sisodiya, Sandeep Prabhu, P Ashok, "The Transformative Power of Robotic Process Automation: Redefining Business in Industry 4.0"

Paper ID: 1034 Sivashankari T, Pallikonda Rajasekaran M, Kottaimalai Ramaraj, Arunprasath T, Muthangi kantha Reddy, Thilagaraj M, "A Three-Tier Architecture Framework with Blockchain Integration to Improve the Security in Healthcare Applications"

Paper ID: 1196 T. Kanthimathi, N. Rathika, A. Jainul Fathima, Rajesh K S, S. Srinivasan, Thamizhamuthu R, "Robotic 3D Printing for Customized Industrial Components: IoT and AI-Enabled Innovation"

Paper ID: 31 Avnee Goyal, Ashish Gupta, Kuldeep Chaurasia, Abhay Bansal, "Assured Unlock: A mobile App for Dual-Layer Encryption to enhance data security"

Paper ID: 1058 Riya Kakkar, Smita Agrawal, Sudeep Tanwar, "Decentralized Energy Consumption Analysis Framework for Coordinated EVs Charging"

Paper Presentation: Track 7A – Computer Networks and Sensors (online)

Paper ID: 1099 Spraha Kumawat, Manan Chathli Rakshit Walia, Inna Yadav, Sumit Kumar, Roop Singh, "Machine Learning in Surgical Skills Classification: A Comprehensive Survey"

Paper ID:302 Piyush Bagla, Amit Kumar Mishra, Neeraj Kumar Pandey, Ravi

Sharma, Ankur Dumka, "Intelligent system for detection of intrusion in imbalanced network traffic"

Paper ID: 214 Armando Raez, Alejandro Molero, Pedro Molina, Wilfredo Ticona, "WAN architecture in IPv4 to WAN on IPv6 for Increasing Public Pool in a Corporate Network in Peru"

13:00 Hrs-14:00 Hrs

Lunch

**14:00 Hrs- 16:00 Hrs
(E3 312)**

Session Chair: Dr. Pradeep Kumar Singh, Department of Computer Science and Engineering, Central University of Jammu, J&K, India

Session Co-Chair: Dr. Sumit Kumar, Amity University Uttar Pradesh, India

Presentation: Track 1C- Machine Learning (offline)

Paper ID: 866 Paridhi Agarwal, Rishabh Jain, Vishwas Raj Jadon, Renuka Nagpal, Rajni Sehgal, "Evaluating CNN-BiLSTM Models for LOD Predictions"

Paper ID: 1193 Pooja Sehgal Tabeck, Vinamra Jain, "Digital Health Services With Special Reference to Adopyion of m Health Applications"

Paper ID: 1281 Surbhi Bharti, Anamika Kumari, Divya Verma, Ashwni Kumar, "Speaker Identification using various machine learning algorithms"

Paper ID: 77 Vishal Sharma, Kuldeep Chaurasia, Abhay Bansal, "Optimizing Species Recognition in Medicinal Plants: A Comprehensive Evaluation of Deep Learning Models"

Paper ID: 491 Ranesh Krishna, Nilesh Chopra, Suvik Kumar, Neha Agarwal, "Deep Learning for Parkinson's Disease Detection: An Analytical Study"

Paper ID: 805 Shivansh Uppal, Vinayak Banga, Sakshi Neeraj, Abhishek Singhal, "A Comprehensive Study on Mitigating Synthetic Identity Threats using Deepfake Detection Mechanisms"

Paper ID: 1199 Rishab Ranjai, Sumita Gupta "MRI based Health Detection using Machine Learning Techniques"

Paper ID: 1175 Nilesh Agarwal, Kapil Sharma, Mukhtiar Singh, "Forecasting Higher Heating Value of Biomass Fuels based on Ultimate Analysis using various Deep Learning Frameworks"

14:00 Hrs- 16:00 Hrs

Session Chair: Prof. (Dr.) Narayan C. Debnath, Founding Dean School of Computing (E3 311) & Information Technology, Eastern International University, Vietnam

Session Co-Chair: Dr. Nitish Kumar, Amity University Uttar Pradesh, India

Paper Presentation Track 4A- AI & Soft Computing (Offline)

Paper ID: 226 Lakshyajit Thapa, Aniket Pandey, Deepanshu Gupta, Ayush Deep, Rakesh Garg, "A Framework for Personality Prediction for E-Recruitment Using Machine Learning Algorithms"

Paper ID: 743 Ansh Sharma, Vaibhav Madan, Vishnu Bhargav, Nancy Gulati, "Smart City Traffic Control System : A Literature Review"

Paper ID: 756 Bhawna Jain, Gunika Goyal, Mehak Sharma, "Evaluating Emotional Detection & Classification Capabilities of GPT-2 & GPT-Neo using Textual Data"

Paper ID: 826 Manya Tuli, Anupriya Chandrasekhar, Shubham Tyagi, Abhishek Singhal, "Development of AI based Autism Detection System"

Paper ID: 1019 Nishi Patel, Dhyan Patel, Nilesh Kumar Jadav, Sudeep Tanwar, Deepak Garg, "Fuzzy and Spiking Neural Network-based Secure Data Exchange Framework for Autonomous Vehicle"

Paper ID: 1171 Aditya Singh, Sahil Jangra, Garima Aggarwal, "EnvisionText: Enhancing Text Recognition Accuracy through OCR Extraction and NLP-based Correction"

Paper Presentation Track 5B- Cloud Computing & Virtualization (Offline)

Paper ID: 791 Jeet Agnihotri, Rajashree Konwar, Indrajit Banerjee, "Biometric based Secure Edge-Cloud Communication Protocol"

Paper ID: 828 Rajashree Konwar, Debojeet Jha, Rajat Agrawal, Rishab Purkayastha, Indrajit Banerjee, "A Two-Factor Authentication Mechanism using a Novel OTP Generation Algorithm for Cloud Applications"

**14:00 Hrs- 16:00 Hrs
(E3-310)**

Session Chair: Dr. Naveen Agarwal, Panjab University, Principal Investigator- Design Innovation Center

Session Co-Chair: Dr. Misha Kakkar, Amity University Uttar Pradesh, India

Paper Presentation Track 5A- Cloud Computing & Virtualization (Online)

Paper ID: 658 R. Aishwarya1, Dr. G. Mathivanan, "COCAME: A Computational Offloading in Cloud Assisted Mobile Environments Structure to Enhance Performance and Energy"

Paper ID: 1084 S.Nikkath Bushra, A. Syed Ismail, P.sasigresa, Edwin Singh C, "Hybrid Visual Verification"

Paper ID: 1304 Chander Diwaker & Neha Miglani, "Hybrid Approach for Virtual Machine Utilization Prediction in Cloud Environment."

Paper ID:1215 Seeniappan Kaliappan, V. Paranthaman, M.D.Raj Kamal, Sudhakar AVV, M.Muthukannan, "A Novel Approach of Particle Swarm and ANT Colony Optimization for Task Scheduling in Cloud"

Paper ID: 802 K. Abirami, Dr.N.Harini, "Evaluating the Effectiveness of Google Cloud Platform Against a Web Server"

**14:00 Hrs- 16:00 Hrs
(E3-309)**

Session Chair: Dr. Neelam Duhan, Department of Computer Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, India

Session Co-Chair: Dr. Anil Sharma, Amity University Uttar Pradesh, India

Paper Presentation: Track 6A- Big Data & Data Mining (Online)

Paper ID: 223 Meet Kumari, "Two LP modes MDM incorporated FSO system under fog and turbulent effects"

Paper ID: 773 Shweta Sharma, Vikas Sharma, "Navigating the Data Deluge: A Comprehensive Examination of Recommendation Systems in Real-World Applications"

Paper ID:825 Pullela Harish Chowdary, Puneet Thapar, Arsalan Ahmed Alyas, Urvashi Singh, "A Case Study of Big Data Processing in the Cloud Environments with Insights into Advantages, Tools, and Techniques"

Paper ID: 1065 Jyoti Arora, Bhavay Malhotra, Pratham Agarwala, Chittaranjan Chandwani, "Analysis of Density-Based Clustering Algorithm Variants on Real-World and Gaussian Motion Datasets"

Paper ID: 1086 Shikha Purwar & Vibha Nehra, "Statistical Analysis and Decision-making Strategy for Complete Blood Count Parameters as a Screening in Microcytic Anemia"

Paper ID: 1090 Kushmitha Cheedella, Shaik Fathimabi, Deepika Chinamuttevi, "Amazon Product Recommendation System using Apache Spark"

Paper ID: 1106 Anshika Arora, Pinaki Chakraborty, M.P.S. Bhatia, Sourabh Yadav, Neeetu Singla, "Smartphone Data Analysis for Nomophobic Behavior among University Students during Lockdown in India"

Paper ID: 1143 Rashi Jaiswal, "A Prediction Model for Synthetic Time Series Meta Data Fusion"

**14:00 Hrs- 16:00 Hrs
(E3 316)**

Session Chair: Dr. Poonam Tanwar, Professor Dept. Of CSE, MRU, India

Session Co-Chair: Dr. Dolly Sharma, Amity University Uttar Pradesh, India

Paper Presentation: Track 7B- Computer Network & Sensors (Online)

Paper ID: 233 Amit Kumar Mishra, Rahul Sharma, Jagendra Singh, Prabhishek Singh, Manoj Diwakar, Mohit Tiwari, "Real-time Health Monitoring of Patients in Emergencies Through Machine Learning And IoT Integrated With Edge Computing"

Paper ID: 1016 Aayush Agarwal, Vibha Nehra, "Vampire Bat Inspired Energy Efficient Protocol for Heterogeneous Wireless Sensor Networks"
Paper ID: 1331 Richa & Deepika Kurkreja, "Optimizing Task Scheduling for Energy Aware Networks"
Paper ID: 699 Pandiyan M, Sivakumar Selvarasu, Soumya Ranjan Nayak, "Skin Cancer Classification using Convolutional Neural Network with DWT Features"
Paper ID: 1219 Devika K, V Ramana Murthy Oruganti, "Two Birds with One Stone: A Dense Attentive GAN-based Model for Detecting Alzheimer's and Parkinson's Disorders"
Paper ID: 1254 Medha Wyawahare, Rutuja Nagdekar, Atharva Naik, "CyberGuard - Guarding Against Deceptive Websites"
Paper ID: 1257 Medha Wyawahare, Tanmay Adbale, Vaibhavi Jorvekar, "ListenBot: Augmented Reality based Speech To Sign Language Conversion"
Paper ID: 1271 R Ravi Kumar, Nandigama sathish, Sallauddin Mohmmad, Srinivas Mudepalli, Talluri Upendar, "An optimized neural network model to predict milk quality"

14:30Hrs-16:15Hrs
(E2 Audi)

Panel Discussion: Academia-Industry Linkage

Mr. Ishvinder Singh, India Lead- Net Acad & Skills, CISCO
Mr. Amit Yadav Sr. Solutions Architect at AWS
Mr. Abhijit Sreenivas, Program Manager- Academic & Learning Alliance, UiPath
Dr. Arti Noor, Scientist G, CDAC Noida

15:30 Hrs- 17:30 Hrs
(E3-312)

Session Chair: Dr. Sanjay Kumar Sharma, Computer Science and Engineering Department, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida, Uttar Pradesh, India
Session Co-Chair: Dr. Garima Aggarwal, Mr. Roshan Lal Amity University Uttar Pradesh, Noida, India

Paper Presentation Track 2C- Image/Video Processing (Offline)

Paper ID: 1039 Shreya Kansal, Arunima Jaiswal, Nitin Sachdeva, "Empirical Analysis of Deep Learning Models for Tomato Leaf Disease Detection"
Paper ID: 1139: David Lalrochunga, Collin Z. Renthlei, Arun Kumar Sarma, Adikanda Parida, Shibabrata Choudhury, "GIS-based image processing for farmland site selection: An Eastern Himalayan Region perspective"
Paper ID: 1307 Amit Kumar Trivedi, Kartik Kumar, Raghav Aggarwal, Anmol Garg "An Approach to Integration of Gait and Fingerprint Features for Advanced Biometric Recognition Technology"

Paper Presentation: Track 6B Big Data & Data Mining (Offline)

Paper ID: 1098 Feroz Ahmed, Sumit Kumar, Pradeep Kumar Singh, "Improved Cat Swarm Optimization to solve Premature Convergence in Partitional Clustering"

Paper Presentation: Track 7B- Computer Network & Sensors (Offline)

Paper ID: 283: Krishna Manglani, Utkarsh Bahuguna, Subhash Chand Gupta, "Lip Reading Into Text Using Deep Learning"

Paper Presentation: Track 3B- IOT & Automation (Offline)

Paper ID: 177 Drishti Arora, Garima Aggarwal, Farhan Asif, "Quora Question Sincerity Detection using BERT-based framework"

15:30 Hrs- 17:30 Hrs
(E3-311)

Session Chair: Prof. (Dr). Murli M Rao, Director-CSE, Indira Gandhi Open National University, New Delhi, India

Session Co-Chair: Dr. Juhi Singh, Amity University Uttar Pradesh, Noida, India

Paper Presentation Track 8A-Algorithms and Software (Offline)

Paper ID: 105 Mayank Dhyani, Supriya Raheja, "Sentiment Analysis on Screen Time Usage of Children: A Comparative Analysis"
Paper ID: 704 Virat Raj Saxena, Rajeev Yadav, Azra Parveen, Mohd. Sadiq, "A Mathematical Model for the Selection of Software Requirements Elicitation Techniques"
Paper ID: 824 Lubna Siddiqui, Ashish Mani, Jaspal Singh, "Improving Design Accuracy of a Finite Impulse Response Fractional Order Digital Differentiator Filter Using Quantum-inspired Evolutionary Algorithm"
Paper ID: 232 Amit Kumar Mishra, Rahul Sharma, Jagendra Singh, Prabhishkek Singh, Manoj Diwakar, Mohit Tiwari, "Smart Contract-Enabled Blockchain Framework for Electronic Medical Health Records"
Paper ID: 796 Jindam Sriman, Puneet Thapar, Arsalan Ahmed Alyas, Urvashi Singh, "Unlocking Security: A Comprehensive Exploration of Biometric Authentication Techniques"
Paper ID: 1170 Gowtham Pushkar Bhatraju, Chilakala Vikas, Saranya G, "Cookie Analysis Using Web Crawling and Web Scraping"

**15:30 Hrs- 17:45 Hrs
(E3-310)**

Session Chair: Dr. Sangeeta, MSIT, Delhi

Session Co-Chair: Dr. Anil Sharma, Amity University Uttar Pradesh, India

Presentation: Track 1E- Machine Learning (online)

Paper ID: 750 Yash Singh, Harshit Kumar Agrawal, Nitish Kumar, "SVM based risk estimation in heart disease prediction"
Paper ID: 757 Srijita Bhattacharjee, Dhananjay Dakhane, "A Combined Utilization of Machine learning and Pre-Attack Analysis to Provide a Protection Framework for Ransomware Attack"
Paper ID: 767 Ritcha Saxena, Priya Verma, Vikas Sharma, Kapil Sharma, Jiya, "Classification of Type2-diabetes using an ensemble deep learning model CNN-LSTM"
Paper ID: 785 Janvi Verma, Harsh Verma, Supriya Raheja, "An analysis of object detection in bad weather conditions using deep models"
Paper ID: 856 Nancy Gulati, Abhishek Rajput, Ankur Singh, "Sign Language Recognition using Convolutional Neural Network"
Paper ID: 900 Shao Luana and Hong Shenb, "Minimize Resource Cost for Containerized Microservices under SLO via ML-Enhanced Layered Queueing Network Optimization"
Paper ID: 1036 Rishabh Chauhan, Harsh Manchanda, Neha Tyagi, "Classifying Dog Emotions Using Transfer Learning and Pre-trained Models"
Paper ID: 1042 Di Wang, "Multi-agent Reinforcement Learning for Safe Driving in On-ramp Merging of Autonomous Vehicles"
Paper ID: 1063 Premanand Ghadekar, Chanchal Rathad, Sourav Jangral, Rushikesh unde, Adwait Mali, Aryan Karande, "Lunar Ejecta Pattern Detection and Analysis Using Faster R-CNN and GAN Augmentation"

**15:30 Hrs- 17:45 Hrs
(E3-309)**

Session Chair: Dr. Sushil Kumar, NIT Kurukshetra

Session Co-Chair: Dr. Anshul Tickoo, Amity University Uttar Pradesh, India

Paper Presentation Track 4B- AI & Soft Computing (Online)

Paper ID: 243 Vikas Sharma, Kapil Sharma, Akshi Kumar, "AI and Digital Twins Transforming Healthcare IoT"
Paper ID: 218 Cristhian Saavedra, Carlos Honores, Wilfredo Ticona, "Implementation of a Web-Based System to Improve the Appointment Process in a Clinic"
Paper ID: 1103 Premanand Ghadekar, Aman Manakshe, Sarthak Madhikar, Sushrut Patil, Mehvish Mukadam, Tejas Gambhir, "Predictive Maintenance for Industrial Equipment: Using XGBoost and Local Outlier Factor with Explainable AI for analysis"

Paper ID: 1288 Aryan Singh, Rohit Kumar Tiwari, "AIGuard: Criminal Tracking in CCTV Footage using MTCNN and ResNet"

Paper ID: 32 Surbhi Vijn, Arpita, Jyoti Prakash Bora, Prateek Kumar Gupta, Sumit Kumar, "IOT based Real-time Monitoring System for precision Agriculture

Paper ID: 1089 Bharathi Mohan G, Prasanna Kumar R, Vifert Jenuben Daniel. V, Archanaa. N, Mohammed Faheem, Suwin Kumar. J.D.T, Kousihik. K, "Comparative Evaluation of Large Language Models for Abstractive Summarization"

Paper ID: 1339 Christian Peña Sierra, Enrique Agreda Cutipa, Lenis Wong, "Framework for Enhancing Customer Service Advisor Training through Gamification"

Paper ID: 1110 Siddharth Kandwal, Vibha Nehra, "A Survey of Text-to-Image Diffusion Models in Generative AI "

Paper ID: 1184 Varshini Devi I, DI. R. Oviya, "EMPATHIC: Emulating Human-like Multimodal Personality Architecture Through Thoughtful Human-AI Conversation"

**15:30 Hrs- 17:45 Hrs
(E3-316)**

Session Chair: Dr. Sitendra, MSIT Delhi

Session Co-Chair: Dr. Sumita Gupta, Amity University Uttar Pradesh, India

Presentation: Track 1F- Machine Learning (online)

Paper ID: 1104 Rajesh Kumar Singh, Dilip Kumar Choubey, "Alzheimer's Dementia and its various biomarker details with several detection methodologies – A Comprehensive Review"

Paper ID: 1111 Ishi Thakur, Achint Kaur, Anvi Sud, Yasha Hasija, "Multiclass Classification of Glioblastoma and Medulloblastoma Tumors using Machine Learning"

Paper ID: 1138 Madhusmita Panda, Arun Sharma, Garima Jaiswal, "Cognitive Wellness Assessment: A Comprehensive Review of Deep Learning and Machine Learning Approaches for Mental Stress Detection in the Digital Age"

Paper ID: 1151 K Venkatraman, Sirigiri Naga Pavan Sathvik Reddy, "Augmenting Clinical Decisions with Deep Learning Lung Cancer Image Abnormality Segmentation"

Paper ID: 1159 Shaik Nawab Mudassir, Ravichandran M, "Enhancing Migraine Diagnosis and Classification with TabNet: A Data-Driven Approach"

Paper ID: 1194 Nikita Narwat, Hitesh Kumar, Jitendra Singh Jadon, Archana Singh, "Multi-Sensory Stress Detection System"

Paper ID: 1222 Parul Goel, Dinesh Kumar Vishwakarma, "Impact of Attention on Visual Sentiment Analysis"

Paper ID:848 Naman Puri, Abdul Ashhad, Dr. Nitish Kumar, "Unmasking Pneumonia with Deep Learning: Enhancing Medical Diagnosis through Advanced AI Models"

Paper ID: 844 Ayush Narang, Kashika Singh, Harshita Gaur, Amit Anakiya, Dr. M B Kiran, Dr. Sanjeev Thakur, "Remaining Useful Life Prediction of Ball Bearings Using Deep Learning Techniques"

**14:15 Hrs-14:45 Hrs
(F3 Seminar Hall)**

Keynote Address 10 by Prof. (Dr.) Dinesh Manocha, University of Maryland, College Park, USA, on "Robot Navigation in Complex Indoor and Outdoor Environments"

**14:15 Hrs-14:45 Hrs
(F1 MDP)**

Keynote Address 11 by Prof. (Dr.) Kire Jakimoski, American University of Europe, Macedonia, on "Trends in Cyber Risk Management"

**14:15 Hrs-14:45 Hrs
(F3 MDP)**

Keynote Address 12 by Prof (Dr.) Basanta Joshi, Tribhuvan University, Nepal on "Speech Processing Approaches for Low-Resource Languages"

**14:45 Hrs-15:15Hrs
(F3 Seminar Hall)**

Keynote Address 13 by Prof. (Dr.) Sharath Chandra Guntuku, University of Pennsylvania, USA, on "Computational Social Listening during Public Health Crises"

**14:45 Hrs-15:15 Hrs
(F1 MDP)**

Keynote Address 14 by Prof. (Dr.) Olha Kanishcheva, University of Jena, Germany, on "Word-Level Language Identification for Code-Switching Corpus"

**14:45 Hrs-15:15 Hrs
(F3 MDP)**

keynote Address 15 by Prof. (Dr.) Al-Sakib Khan Pathan, United International University, Dhaka, Bangladesh on “Cryptocurrency – The Expectation and Reality for Digital Transactions”

**15:15 Hrs-15:45Hrs
(F3 Seminar Hall)**

Keynote Address 16 by Prof. (Dr.) Keith Sherringham, PMO Specialist, New South Wales, Australia, on “Opportunities from Cloud, Data, Artificial intelligence, and Automated Knowledge Worker services”

**15:15 Hrs-16:15 Hrs
(F2 Seminar Hall)**

Amity-OHSL Collaboration: MOU Signing
Mr. Anil Srivastava, President, OHSL
Mr. Jeeven Saini, Vice President, OHSL

**15:15 Hrs-15:45Hrs
(F3 MDP)**

Keynote Address 17 by Prof. (Dr.) Ahmed M. A. Sayed, Queens Mary University, UK on “Towards Efficient and Practical Federated Learning”

**15:45 Hrs-16:15Hrs
(F3 Seminar Hall)**

Keynote Address 18 by Prof (Dr.) Chandrajit Bajaj, University of Texas, USA, on “Principled Reinforcement Learning to Model our Dynamic Environments”

**15:45 Hrs-16:15Hrs
(F3 MDP)**

Keynote Address 19 by Prof. (Dr.) Pasquale Coscia, University of Milan, Italy, on “Optimized Image Synthesis for Industrial Scenarios”

**16:15 Hrs-16:45Hrs
(F3 Seminar Hall)**

Keynote Address 20 by Prof. (Dr.) Abhinav Bhatele, University of Maryland, College Park, USA, on “Making Distributed Training Easier and More Communication efficient”

**16:15 Hrs-16:45Hrs
(F3 MDP)**

Keynote Address 21 by Prof. (Dr.) Bjoern Schuller, University of Augsburg, Germany on “Health Informatics Unplugged: Entering the Matrix of Modern Medicine”

Day 2: Friday, January 19, 2024
(IST)

09:15Hrs – 9:45 Hrs
(F2 Seminar Hall)

Keynote Address 22 by Prof. (Dr.) Arun K Somani, Senior Associate Dean, IOWA State University, USA, on “Finding Faster AI Solutions”

09:15Hrs – 9:45Hrs
(F3 Seminar Hall)

Keynote Address 23 by Prof. (Dr.) Ankit Agrawal, Northwestern University, USA, on “AI+HPC for Accelerating Science and Engineering”

09:15 Hrs- 09:45 Hrs
(F1 MDP)

Keynote Address 24 by Ms. Susannah Barnes, Data Intelligence Program Lead, Alation on “Data Intelligence - Empowering the Workforce of Tomorrow”

09:15Hrs – 9:45 Hrs
(F3 MDP)

Keynote Address 25 by Prof. (Dr.) Bhuvan Unhelkar, University of South Florida, USA, on” Exploring the Role of Leadership in Driving Successful Digital Transformations in the Age of AI and Big Data”

09:45Hrs – 10:15 Hrs
(F2 Seminar Hall)

Keynote Address 26 by Prof. (Dr.) Chee Peng Lim, Deakin University, Australia on “Computational Intelligence-Based Systems: Advances and Applications”

09:45Hrs – 10:15 Hrs
(F3 Seminar Hall)

Keynote Address 27 by Prof. (Dr.) Ashok K Agrawala, Director of Maryland Information and Network Dynamic, University of Maryland, College Park, USA on “Today's Tech World: How did we get here and where are we going? A Perspective”

09:45Hrs – 10:15 Hrs
(F3 MDP)

Keynote Address 28 by Prof. (Dr.) Arif Sarwat, Florida International University, USA on “Green Technologies: Renewables, Storage, Electric Vehicles and Hydrogen Future”

10:00 Hrs- 11:30 Hrs
(E2 Audi)

Amitian Success Stories

Mr. Vivek Mishra, Director IT & Services, Compaq, India

Mr. Nitish Jha, Co-Founder, Dydigital Labs, India

Mr. Ashwini Kumar, Software Lead, Amazon, USA

Ms. Rishika, Management Consultant, KPMG, India

Mr. Anmol Seth, Solutions Architect, Agilon Health, India

Ms. Riya Srivastava, Cloud Engineer, Google, India

10:00 Hrs- 12:00 Hrs
(E3-312)

Session Chair: Dr. B.K. Sharma, NITRA Ghaziabad, Govt. of India, Uttar Pradesh, India

Session Co-Chair: Dr. Anil Sharma, Amity University Uttar Pradesh, Noida, India

Paper Presentation Track 1G – Machine Learning (online)

Paper ID: 175 Dr.R.Deepalakshmi, Senthil Murugan K R., Arunnachalam R S., Mohamed Asif B, “Campus Surveillance: Deep Learning-Based Rules Violation Detection“

Paper ID: 698 Jeison Vásquez, Piero Ojeda, Lenis Wong, “Model To Predict Incoming Tech Support Demand In A Banking Company Applying CRISP-DM And Machine Learning“

Paper ID: 714 Vaibhavi Chincholkar, Aamey Pawanarkar, Prof. Sheetal Chaudhari, Shria Srivastava, “Deep Learning Techniques in Liver Segmentation: Evaluating U-Net, Attention U-Net, ResNet50, and ResUNet Models“

Paper ID: 765 Yashvardhan Asthana, Rahul Chhabra, Sweta Srivastava, “Machine Learning Techniques for Twitter Spam Detection: Comparative Insights and Real-Time Application“

Paper ID: 1023 Mansi Sharma, Prakash Kumar, “A Novel Q-LEARNING Framework for Type-II Diabetes Prediction”

Paper ID: 1073 Bharathi Mohan G., Prasanna Kumar R., Harsha Vardhan, Veda Sampreetha M., Siva Sairam A., Syfullah sd., Sriram K., Yamani Kakarla, “Disease Prediction Based on Symptoms Using Ensemble and Hybrid Machine Learning Models”

Paper ID: 1018 ShivamGupta, Shrey Gilotra, Shivam Rathi, Tanupriya Choudary, Ketan Kotecha, “Plant Disease Recognition Using Different CNN Models”

Paper ID:1301 Srinivas Samala, Aakash Sreeram, Lakshmi Sree Vindhya Sarva, Sreedhar Kollem, Kedhareshwar Rao Vanamala, Chandrashekar Valishetti, "Performance Evaluation of Support Vector Machines and AdaBoost-SVM for Lung Nodule Identification in Chest Radiographs"

Paper ID: 204 Anam Fatima, Pradeepta Kumar Sarangi, Ashok Kumar Sahoo, Monica Dutta, Soumya Ranjan Nayak, Deepti Sinha, "Forex Analysis on USD to INR Conversion: A Comparative Analysis of Multiple Statistical and Machine Learning Algorithms"

**10:00 Hrs- 12:00 Hrs
(E3-311)**

**Session Chair: Dr. Harpreet Bajaj, Department of CSE, DAVIET, Jalandhar, India
Session Co-Chair: Dr. Seema Sharma, Amity University Uttar Pradesh, India**

Paper Presentation: Track 1H – Machine Learning(online)

Paper ID: 209: Vaishali Mehta, Avinash Kumar, Kanchan Nahar, Poonam, Dolly Sharma, Rohak Tiwari, "Binary Image Classification Using Machine Learning and Deep Quantum Neural Networks"

Paper ID: 234 Akshay Tyagi, Kartikeya Singh, P V S Jaswanth Kumar, Prof. Rakesh Garg, Mohammed Edres Yousef Abdullah, "Performance Comparison of Overlapping Sound Event Detection Methods"

Paper ID: 1119 Priyansh Jain, Bhoomika Sharma, Dr. Archana Singh, Dr. Sofia Singh, "Advanced Detection of Driver Drowsiness Using CNN-LSTM Robust Approach"

Paper ID: 1123: Naman Chauhan, Aman Kumar, Gudi Vishnu Teja, Bharati Mohan G, Prasanna Kumar R, Yamani Kakarla, "Deep Learning-Based Approach for Calorie Estimation in Indian Foods"

Paper ID: 1133 Gayathri T, Ratna Kumari K, Durga N, Pothuraju Raju, Vidyullatha Sukhavasi, "Segmentation and Classification of lung Tumor Analysis Using LU-NET With BBH Optimizer"

Paper ID: 1135 Ratna Kumari K, Durga N, Gayathri T, Ch Lalitha Syama, Padma jyothe, "Advanced NID-VGG16 with Orca Predation Optimization based 1DCNN-BiLSTM for Network Intrusion Detection"

Paper ID: 1142 Bharati Mohan G, Prasanna Kumar R, Sidesh Sundar S, Shyam Ganesh K, Maddineni Sravani, Aparna S, Sabarinath J, Yamani Kakarla "Enhancing Brain Tumor Diagnosis with Generative Adversarial Networks"

Paper ID: 1153 Aalap Arun, Anjaly S Nair, Sreedevi A. G., "Zero Day Attack Detection and Simulation through Deep Learning Techniques"

Paper ID: 1200: Mehul Jain, Deepanshu Sharma, Manish K Ojha, Archana Singh, "Deep learning-based AI model for Road Detection"

Paper ID: 897 Divyansh Nishad, Anshika Mishra, Nidhi Goyal, "Symptom-based Disease Prediction Using Machine Learning"

**10:00 Hrs- 12:00 Hrs
(E3-310)**

Session Chair: Dr. Shelly Sachdeva, NIT Delhi

Session Co-Chair: Dr. Nitish Kumar, Amity University Uttar Pradesh, Noida, India

Paper Presentation: Track 2D – Image/ Video Processing (online)

Paper ID: 2 Kirti Garg, Amita Dev, Poonam Bansal, Himanshu Mittal, "An Efficient Deep Learning Model for Embryo Classification"

Paper ID: 211: Sri Likhita Adru, Sandra Johnson, "Harmonizing Emotions: A Fusion of Facial Emotion Recognition and Music Recommendation System "

Paper ID: 1282: Kanuri Naga venkata sai hashreta, Duggaraju Sri Lalitha, Maddula Lalitha Lahari, Pittala Deepthi Sri, Akhilesh Kumar Dubey, "Automatic detection of hypernasality in cleft palate speech using phase feature"

Paper ID: 1285: Sai Phani Lakshmi Datta Apurva Chundururu, Botta Bhavana, Boddapati Jahnvi, Chundururu Om Naga Santhosha Lakshmi, Akhilesh Kumar Dubey, "Analysis of hypernasality severity based on harmonic intensity"

Paper ID 1249: Akash Rattan, Ritanshu, Saumya Singh, Jyoti Pruthi "Comparative Analysis of Two Approaches Utilizing Different Classification Algorithms Combined with CNN for Pneumonia Prediction in Chest X-Rays"

Paper Presentation: Track 4C – AI and Soft Computing (online)

Paper ID: 1259: Medha Wyawahare, Madhuri Shelke, Siddharth Bhorge, Rohit Agrawal, “AI Powered Multilingual Meeting Summarization”

Paper ID: 652: Chelluri Divakar, Ramanu Harsha, Kodali Radha, Dulipalla Venkata Rao, Nadakuditi Madhavi and Thiruveedhula Bharadwaj, “Explainable AI for CNN-LSTM Network in PCG-Based Valvular Heart Disease Diagnosis”

Paper ID: 784 Nancy Gulati, Sarthak Gupta, Sudhanshu, “Machine Learning models for Parkinson’s Detection using features of speech”

Paper ID: 213 Luis Obando, Hernán Marecos, Wilfredo Ticona, “Implementation of a Web Application to Improve the Collection Management of Means of Payment of a Train Station in the City of Lima”

Paper ID: 381 Nagasubhadra D. Uppalapati, Praveen B. Choppala, Lakshmi Krishnan, “Particle filtering with improved prediction sampling for univariate state space models”

**10:00 Hrs- 12:00 Hrs
(E3 309)**

Session Chair: Dr. Bhaskar Mondal, NIT Patna

Session Co-Chair: Dr. Anshul Tickoo, Amity University Uttar Pradesh, Noida, India

Paper Presentation: Track 8B – Algorithm and Software (online)

Paper ID: 215 Joel Anahue, Stefanny Chavez, Wilfredo Ticona, “Implementation of an ISMS based on ISO/IEC 27001:2022 to improve Information Security in the Internet Services Sector”

Paper ID: 1205 V. Paranthaman, T.Mothilal, L. Natrayan, MM Irfan, “Optimizing Renewable Energy Integration: A Novel PSO-ADP Control Scheme for Enhanced Energy Storage System Performance”

Paper ID: 689 Yong Jeong Yi, Jaemin Jo, Beom Jun Bae, Hyunwoo Moon, June Yoo, Sanghyuk Lee, “Developing a GPT-based text extraction model for cancer information”

Paper ID: 749 Rodrigo Espinoza, Clever Salvador, Joseph Añez, Antony Huaman, Wilfredo Ticona, “Implementation of a Prediction System for Heart Failure Mortality Using an Artificial Intelligence Model”

Paper ID: 217 Annie Huaylla, Richard Condori, Pedro Molina, Wilfredo Ticona, “Implementation of an Ethical Hacking Control Focused on Phishing to Optimize Computer Security in Credinka”

Paper ID: 220 Christian Condolo, Shantall Romero, Wilfredo Ticona, “Implementation of an Information Security Management System to Improve the IT Security of an Agricultural Tool Manufacturing Company”

Paper Presentation: Track 2E – Image/ Video Processing (online)

Paper ID: 833 Neeraj Choudhary, Kodidasu Murali Kumar, Jimson Mathew, Sravanthi Achchugatla, “Classification of Left/Right Hand Movement from EEG Signal by Empirical Mode Decomposition with Ensemble of classifiers”

**10:00 Hrs- 12:00 Hrs
(E3 316)**

Session Chair: Dr. Smitarani Pati, Department of Instrumentation and Control Engineering, NIT Jalandhar, Punjab

Session Co-Chair: Dr. Juhi Singh, Amity University Uttar Pradesh, Noida, India

Paper Presentation: Track 1I – Machine Learning(online)

Paper ID: 1033 A.V.S.Swetha, Manju Bala, Kapil Sharma, “Optimized hybrid model framework for breast cancer classification”

Paper ID: 208 Shipra Saraswat, Sofia Singh, Parth Middha, Parth Thirwani, Harsh Rohilla, “Revolutionizing Pandemic Healthcare: Mask Detection and Patient Face Recognition”

Paper ID: 1186 Nishikanta Parida, Aditya Narendra, Pooja Reddy Kolimi, Priyansu Panda, Ipsit Misra, “Deep Learning Based Classification of the Big Four Snake Species Using Visual Features”

Paper ID: 1204 Seeniappan Kaliappan, V. Paranthaman, L. Natrayan , Bura Vijay Kumar, M.Muthukannan, “Leveraging Machine Learning Algorithm for Predicting Personality Traits on Twitter”

Paper ID:1188 Kiran Preet Bedi, Jitendra Singh Jadon, “Comparison of Deep Learning Methods for Detecting Brain Tumor”

Paper ID: 1258 Sreedhar Kollem, Kodari Poojitha, Naroju Brahma Chary, Pulluri Saicharan, Kampelly Anvesh, Samineni Peddakrishna, Ch. Rajendra Prasad, “Advancing Agriculture: Plant Disease Classification through Cutting-Edge Deep Learning Techniques”

Paper ID: 471 Pedro Espinoza, Erick Sinche, Wilfredo Ticona, “Biometric Facial Recognition System and Expression Classifier using Deep Learning”

Paper ID: 744 Poma Chávez, Wilfredo Ticona, “Implementation of Text-to-image Generators in the Development of the Usability Interface for the Construction of a Web Page”

Paper ID: 207 Sakshi Ranjan, Niraj Kumar, Sanjay Kumar Singh, “Deciphering smells from SMILES notation of the chemical compounds: A deep learning approach”

Paper ID: 1277 Siddharth Verma, Chetna Sharma, Garima Aggarwal, Parth Upadhy, “Artificial Intelligence-based Approach for Classification and Prediction of Mental Health”

**10:15 Hrs- 10:45 Hrs
(F2 Seminar Hall)**

Keynote Address 29 by Prof. (Dr.) Narayan C Debnath, Founding Dean School School of Computing and Information Technology, Eastern International University, Vietnam, on “Intelligent Software Applications: Current Advances and Future Challenges”

**10:15 Hrs- 10:45 Hrs
(F3 MDP)**

Keynote Address 30 by Prof. (Dr.) Furkan Gözükar, University of Toros Mersin, Turkey, on “Generative AI”

**10:45 Hrs- 11:15 Hrs
(F2 Seminar Hall)**

Keynote Address 31 by Prof. (Dr.) Abhinav Valada, Director of the Robot Learning Lab, University of Freiburg, Germany, on “Robot Learning from Interactions.”

**10:45Hrs – 11:15 Hrs
(F3 MDP)**

Keynote Address 32 by Prof. (Dr.) Tongliang Liu, Director of Sydney AI Centre University of Sydney, Australia, on “Machine Learning with Noisy Labels”

**10:45 Hrs- 11:15 Hrs
(F1 MDP)**

Keynote Address 33 by Mr. Dan Isaacs, CTO, Digital Twin Consortium on “Digital Twin Application in Industry and Role of Digital Twin Consortium”

**11:30 Hrs- 12:30 Hrs
(F3 Seminar Hall)**

International Career Pathways

Moderator: Prof. (Dr.) Manoj Kumar Pandey, Director ASET, AUUP, General Chair-Confluence 2024

- Prof. (Dr.) Dinesh Manocha, University of Maryland at College Park, USA
- Prof. (Dr.) Keith Sherringham, PMO Specailist, New South Wales Australia
- Prof. (Dr.) Sharath Chandra Guntuku, University of Pennsylvania, USA
- Prof. (Dr.) Chandrajit Bajaj, University of Texas at Austin, USA
- Prof. (Dr.) Abhinav Bhatele, University of Maryland, College Park, UA
- Prof. (Dr.) Narayan C. Debnath, Founding Dean School of Computing and Information Technology, Eastern International University, Vietnam
- Prof. (Dr.) Abhinav Valada, Director of the Robot Learning Lab, University of Freiburg, Germany

**12:00 Hrs – 12:30Hrs
(F1 MDP)**

Keynote Address 34 by Mr. Raghavendra Bhat, Principal Engineer, Intel Corporation on “TrustAxis—a global public private partnership—Architecture and OpenFL: an Open Source Framework for Federated Learning”

**12:00 Hrs – 12:30Hrs
(F2 Seminar Hall)**

Keynote Address 35 by Prof. (Dr.) B. S. Bindhumadhava, Scientist – ‘G’ & Senior Director at CDAC, Meity, Govt. of India, Bangalore

12:00 Hrs – 12:30 Hrs (F3 MDP)	Keynote Address 36 by Prof. (Dr.) Sergio Marquez Sanchez, University of Salamanca, Spain, on “Smart Water Management Systems for Smart Cities”
12:30 Hrs – 13:00Hrs (F2 Seminar Hall)	Keynote Address 37 by Prof. (Dr.) Bernhard Pfahringer, Co- Director AI Institute, University of Waikato, New Zealand, on “Learning from Data Streams versus Continual Learning”
12:30 Hrs – 13:00Hrs (F3 MDP)	Keynote Address 38 by Prof. (Dr.) Ahmed A. Elngar, Beni-Suef University, Egypt, on “Applied Science and Technology: Multidisciplinary Research Dissemination of Best Practice in Disruptive Era”
13:00 Hrs-14:00 Hrs.	Lunch
13:30 Hrs- 15:00 Hrs (E2 Audi)	Industry Leadership Forum & Amity Leadership Award 2024 Theme: India Towards Developed Nation: Contribution of Technology and Innovation
14:15 Hrs- 14:45 Hrs (F2 Seminar Hall)	Keynote Address 39 by Prof. (Dr.) Domenico Talia, University of Calabria, Italy, on “Distributed Machine Learning at the Edge-Closed Continuum”
14:15 Hrs- 14:45 Hrs (F3 MDP)	Keynote Address 40 by Prof. (Dr.) Alvaro Rocha, University of Lisbon, Portugal on “A Health Data Analytics Maturity Model for Hospitals Information Systems”
14:45 Hrs- 15:15 Hrs (F2 Seminar Hall)	Keynote Address 41 by Prof (Dr.) Cormac Sreenan, University College Cork, Ireland on “Life on the Edge: Experiences with Enabling AI”
15:30 Hrs– 17:30 Hrs (E2 Audi)	Valedictory Session
15:30 Hrs – 15:35 Hrs	Lamp Lighting
15:35 Hrs – 15:40 Hrs	Welcome Address by Prof. (Dr.) Manoj Kumar Pandey, Director, Amity School of Engineering & Technology, AUUP & General Chair, Confluence-2024
15:40 Hrs – 15:45 Hrs	Welcome Address by Prof. (Dr.) Sanjeev Thakur, HOD CSE, Amity School of Engineering & Technology, AUUP & Conference Chair Confluence 2024
15:45 Hrs - 15:52 Hrs	Brief Summary Report of Confluence 2024 by Dr. Garima Aggarwal, Head International Collaboration for E&T, Amity School of Engineering & Technology, AUUP & General Co-Chair Confluence 2024
15:52Hrs-16:00 Hrs	Address by Prof (Dr.) W Selvamurthy, President (ASTIF), Director General (ADSI), and Chancellor, Amity University, Chhattisgarh
16:00 Hrs – 16:08 Hrs	Address by Prof. (Dr.) Gurinder Singh, Group Vice Chancellor, Amity Universities
16:08 Hrs- 16:16 Hrs	Address by Prof. (Dr.) Balvinder Shukla, Vice Chancellor, AUUP & Co-Patron, Confluence 2024
16:16 Hrs- 16:24 Hrs	Address by Guest of Honor, Mr. Durbec Gilles – Chief Technology Officer, Thales, Noida, India
16: 24 Hrs- 16:32 Hrs	Address by Guest of Honor, Prof. (Dr.) Abhinav Valada, Director of the Robot Learning Lab, University of Freiburg, Germany
16:32 Hrs- 16:40 Hrs	Address by Guest of Honor, Prof. (Dr.) Narayan C. Debnath, Founding Dean, School of Computing and Information Technology, Eastern International University, Vietnam
16:40 Hrs – 16:48 Hrs	Address by Guest of Honor, Prof. (Dr.) Keith Sherringham, PMO Specialist, New

South Wales, Australia

16:48 Hrs – 16:56 Hrs

Address by Guest of Honor, **Dr. Alok Tripathi, Director (Scheme/Skilling) & Chief Controller of Examinations National Institute of Electronics & Information Technology, New Delhi, India**

16:56 Hrs- 17:02 Hrs

Conferring Honorary Professorships & Acceptance Speech by **Prof. Dinesh Manocha, University of Maryland at College Park, USA**

17:02 Hrs- 17:09 Hrs

Conferring Honorary Professorships & Acceptance Speech by **Prof. (Dr.) Alfredo Cuzzocrea, University of Calabria, Rende, Italy**

17:09 Hrs – 17:17 Hrs

Address by Chief Guest, **Dr. P.K. Saxena, PSA fellow, Office of Principal of Scientific Advisor, Govt. of India & Former Director DRDO**

17:17 Hrs – 17:24 Hrs

Few Thoughts by **Dr. Atul Chauhan, Chancellor, Amity University, President, Ritnand Balved Education Foundation, CEO, AKC Group of Companies, Patron, Confluence 2024 (To be Confirmed)**

17:24 Hrs – 17:32 Hrs

Few Thoughts by **Dr. Ashok K Chauhan, Founder President, Ritnand Balved Education Foundation, Patron in Chief, Confluence 2024 (To be Confirmed)**

17:32 Hrs- 17:40 Hrs

Vote of Thanks by **Dr. Shilpi Sharma, Deputy Head CSE, Amity School of Engineering & Technology, AUUP**

**17:40 onwards
(E2 Block)**

High Tea