

International Conference on Computational Intelligence in Data Mining
(ICCIDM 2021)
 December 11-12, 2021

TECHNICAL SESSION SCHEDULE

Session Name: **TS:1: Applications of Machine Learning**

Date: **11/12/2021 (Day 1)**

Time: **03.30 pm – 05.00 pm**

Session Chair :

1. Dr. S. Vimal (Ramco Institute of Technology, Tamilnadu)

2. Dr. Jagadeesh Kakarla (IIITDM Kanchipuram)

Co-ordinator: Mr. L. V. Satyanarayan

Paper Id	Paper Title	Authors	Presenting Author
2	Multi-sensor data fusion for Occupancy detection using Dempster-Shafer Theory	Sunanta Sarkar, Amit Ghosh, Sankhadeep Chatterjee	Sankhadeep Chatterjee
15	Detection of Insider Threats Using Deep Learning: A Review	Lavanya P, Shankar Sriram V S	Shankar Sriram V S
16	An Incisive analysis of Advanced Persistent Threat detection using Machine learning Techniques	Vishnu Priya M K, Shankar Sriram V S	Shankar Sriram V S
99	Performance Evaluation of Machine Learning Algorithms to Predict Breast Cancer	S.Siva Sunayna, S.N.Thirumala Rao , M.Sireesha	S. N. Thirumala Rao
137	Ensemble machine learning approach to detect various attacks in a distributed network of vehicles	Aparna Pramanik and Asit Kumar Das	Aparna Pramanik
182	Identification of Heart Failure in Early Stages using SMOTE integrated Ada-Boost Framework	B. Kameswara Rao, U D Prasan, Mokka.Jagannadha Rao, Rajyalaxmi Pedada, Pemmada Suresh Kumar	B. Kameswara Rao
186	Efficient approximate multipliers for Neural Network applications	Zainab Aizaz , Kavita Khare and Aizaz Tirmizi	Zainab Aizaz
190	Explainability of Deep Learning Based System in Healthcare	Shakti Kinger and Vrushali Kulkarni	Shakti Kinger
221	CatBoosting approach for anomaly detection in IoT based smart home environment	Dukka Karun Kumar Reddy , H.S Behera	Dukka Karun Kumar Reddy

Session Name: **TS:2: Handling COVID-19 with Intelligent Computing**

Date: **11/12/2021 (Day 1)**

Time: **03.30 pm – 05.00 pm**

Session Chair:

1. Dr. H. S. Behera (VSSUT, Burla)

2. Dr. Swati V. Shinde (PCCoE, Pune, India)

Co-ordinator: Mr. B. Ramesh

Paper Id	Paper Title	Authors	Presenting Author
11	An Automated System for Facial Mask Detection and Social Distancing During Covid - 19 Pandemic	Rutuja Rashinkar , Swapnil Rokade, Pragati Janjal, Gauri Pawar, Swati Shinde	Rutuja Rashinkar
51	A Novel Automated Human Face Recognition and Temperature Detection System using Deep Neural Networks - FRTDS	Varalatchoumy M , Pranav Durai	Varalatchoumy M
60	Face Recognition: A Review and Analysis	Amit Verma , Aarti Goyal, Nitish Kumar, Hitesh Tekchandani	Amit Verma
62	COVID-19 Time Series Prediction and Lockdown Effectiveness	Rajdeep Biswas and Soumi Dutta	Rajdeep Biswas
121	Decision Making on Covid-19 Containment Zones' Lockdown Exit Process using Fuzzy Soft Set Model	R.K. Mohanty , B.K. Tripathy and Sudam Ch. Parida	R.K. Mohanty
140	Investigating the impact of COVID-19 on important economic indicators	Debanjan Banerjee , Arijit Ghosal Imon Mukherjee	Debanjan Banerjee
144	Social Distance Monitoring and Face Mask Detection Using Deep Learning	K. Yagna Sai Surya, T. Geetha Rani, and B. K. Tripathy	K. Yagna Sai Surya
184	Sentimental Analysis of Streaming Covid-19 Twitter Data On Spark-Based Framework	Preethi S P , Radha Senthilkumar	Preethi S P
193	A Hybrid MSVM Covid-19 Image Classification Enhanced With Swarm Feature Optimization	Bhupinder Singh , Ritu Agarwal	Bhupinder Singh

Session Name: **TS:3:IoT & Cloud driven Intelligent Computing**

Date: **11/12/2021 (Day 1)**

Time: **03.30 pm – 05.00 pm**

Session Chair :

1. Dr. Diptendu Sihna Roy (NIT, Meghalaya)

2. Dr. Motahar Reza (GITAM University, Hyderabad)

Co-ordinator: Mr. M. Yugander

Paper Id	Paper Title	Authors	Presenting Author
58	A Novel BFS and CCDS based Efficient Sleep Scheduling Algorithm for WSN	B. Srinivasa Rao	B. Srinivasa Rao
75	The Impact of UV-C Treatment on Fruits and Vegetables for quality and Shelf Life Improvement using Internet of Things	Sneha N , Bhagya M Patil	Sneha N
105	Topology Dependent Ant Colony Based Routing Scheme for Software-Defined Networking in Cloud	Shylaja B S, Deepu S R and Bhaskar R	Deepu S R
130	Deep Learning on landslides: An examination of the potential commitment an expectation of danger evaluation in sloping situations	J. Aruna Jasmine , C. Heltin Genitha	J.Aruna Jasmine
145	An Effective VM Consolidation Mechanism by using the Hybridization of PSO and Cuckoo Search algorithms	Sudheer Mangalampalli , Pokkuluri Kiran Sree, SSSN Usha Devi N, Ramesh Babu Mallela	Sudheer Mangalampalli
189	Prediction of Dynamic Virtual Machine (VM) Provisioning in Cloud Computing using Deep Learning	Biswajit Padhi, Motahar Reza , Indrajeet Gupta, Poorna Sai Nagendra, Sarath S Kumar	Motahar Reza
199	Design of Intelligent Framework for Intrusion Detection Platform of Internet of Vehicles	Ch. Ravi Kishore , D. Chandrasekhar Rao, Janmenjoy Nayak, H.S. Behera	Ch. Ravi Kishore

Session Name: TS:4: Intelligent techniques for Image and Video Analysis

Date:12/12/2021(Day 2)

Time: 11.30Noon – 1:00pm

Session Chair :

1. Dr Soumya Ranjan Nayak (Amity University, Noida)

2. Dr Srinivas Prasad (GITAM University, Visakhapatnam)

Co-ordinator: Mr Ch. Ravikishore

Paper Id	Paper Title	Authors	Presenting Author
23	Intelligent Computing Systems For Diagnosing Plant Diseases	Maitreya Sawai , Sameer More, Prasanna Nagardhane, Subodh Pandhare, Manjiri Ranjanikar	Maitreya Sawai
35	Multimodal MRI Analysis for Segmentation of Intra-tumoral Regions of High-Grade Glioma using VNet and WNet based deep models	Sonal Gore ¹ , Prajakta Bhosale, Ashley George, Ashwin Mohan, Prajakta Joshi, Anuradha Thakare	Sonal Gore
37	Early Onset Alzheimer Disease Classification using Convolution Neural Network	Happy Ramani and Rupal A. Kapdi	Happy Ramani
44	Deepfakes for Video Conferencing Using General Adversarial Networks (GANs) and Multilingual Voice Cloning	Jayesh Shelar , Dipak Ghatole , Mayank Pachpande , Dhanashree Bhandari , S.V Shinde	Jayesh Shelar
98	A Deep Learning based Classifier for Remote Sensing Images	Soumya Ranjan Sahu , Sucheta Panda	Soumya Ranjan Sahu
107	On Computational Complexity of Transfer Learning Approaches in Facial Analysis	Alexandra-Ştefania Moloiu, Grigore Albeanu, and Florin Popenţiu-Vlădicescu	Florin Popenţiu-Vlădicescu
143	Classification of tumorous and non-tumorous brain MRI images based on a deep-convolution neural network model	Debkumar Chowdhury , Sanjukta Mishra, Sonu Kumar, Shiwam Kumar Prasad, Sourav Kumar Mandal, Gourab Biswas, Devesh Sharma, Vishal Lohia, Kartik Sau	Debkumar Chowdhury
198	A Novel Image Falsification Detection Using Vision Transformer (Vi-T) Neural Network	Manikyala Rao Tankala , Ch.Srinivasa Rao	Manikyala Rao Tankala
219	Breast Cancer Mammography Identification with Deep Convolutional Neural Network	Pandit Byomakesha Dash , H. S. Behera, Manas Ranjan Senapati	Pandit Byomakesha Dash

Session Name: TS:5: Intelligent Text Mining

Date:12/12/2021(Day 2)

Time: 11.30Noon – 1:00pm

Session Chair :

1. Dr. Asit Kumar Das (IEST, Shibpur)

2. Dr. Varun Menon (SCMS School of Engg. & Technology, Kerala)

Co-ordinator: Mr M. Stalinbabu

Paper Id	Paper Title	Authors	Presenting Author
6	Sentiment Analysis: A Recent Survey with Applications and a Proposed Ensemble Algorithm	Srishti Jain , Vishal Gupta	Srishti Jain
50	Topic Evolution Model for Interactive Information Search	Harshal Adhav , Vikram Singh	Harshal Adhav
83	Disaster Event Detection from Text: A Survey	Anchal Gupta , Monika Rani, Sakshi Kaushal	Anchal Gupta
109	Adaptive Classifier Using Extreme Learning Machine for Classifying Twitter Data Streams	Arun Manicka Raja M , Swamynathan S, Sumitha T	Arun Manicka Raja M
136	The Good, The Bad, and The Missing: A Comprehensive Study on the Rise of Machine Learning for Binary Code Analysis	Priyanga S, Roopak Suresh, Sandeep Romana, Shankar Sriram V S	Shankar Sriram V S
174	A Concise Review on Automatic Text Summarization	Dishank Jani , Nehal Patel, Hemant Yadav, Sanket Suthar, Sandip Patel	Dishank Jani
213	Identification of Malicious access in IoT Network from Connection Traces by using Light Gradient Boosting Machine	Etuari Oram, Bighnaraj Naik , Manas Ranjan Senapati	Etuari Oram

Session Name: TS:6:Advances in Intelligent Simulation & Modeling

Date:12/12/2021(Day 2)

Time: 03:00pm –04:30pm

Session Chair :

1. Dr. Manohar Mishra (SOA University, Bhubaneswar)

2. Dr. P. Sirish Kumar (AITAM, Tekkali)

Co-ordinator: Mr. P. B. Byomoksha

Paper Id	Paper Title	Authors	Presenting Author
38	A Study on evaluating the performance of Robot Motion using Gradient Generalized Artificial Potential Fields with obstacles	Syed Muzamil Basha , Syed Thouheed Ahmed, Naif K. Al-Shammari1	Syed Muzamil Basha
63	Performance Evaluation of Electrogastragram (EGG) Signal Compression for Telemedicine Using Various Wavelet Transform	Gokul M , Sameera Fathimal, M Jothiraj S, Pradeep Murugesan	Gokul M
78	Whale optimization algorithm based optimal power flow to reduce generation cost	T.Papi Naidu, Venkateswararao B , G.Balasubramanian	Venkateswararao B
94	Context Adaptive Content-Based filtering Recommender System based on Weighted Implicit Rating Approach	Navin K , M.B. Mukesh Krishnan	Navin K
187	Explainable AI (XAI) for Social Good”: Leveraging AutoML to assess and analyze vital potable water quality indicators	Prakriti Dwivedi, Akbar Ali Khan , Sareeta Mudge, Garima Sharma	Akbar Ali Khan
211	Autonomous Vehicles: A survey on Sensor Fusion, Lane Detection & Drivable Area Segmentation	Tejas Morkar , Suyash Sonawane, Aditya Mahajan, Swati Shinde	Tejas Morkar

Session Name: TS:7:Computational Intelligence with Data Mining

Date:12/12/2021(Day 2)

Time: 03:00pm –04:30pm

Session Chair :

1. Dr. Sunanda Das (Jain University, Bangalore)

2. Dr. Shrikant V. Soneker (J. D. College of Engineering, Nagpur)

Co-ordinator: Mr. Ch. Ravikishore

Paper Id	Paper Title	Authors	Presenting Author
43	Exploratory Analysis of Kidney Disease Dataset – A Comparative Study	Aniket Muley , Sagar Joshi	Aniket Muley
77	Modeling and Forecasting Stock Closing Prices with Hybrid Functional Link Artificial Neural Network	Subhranginee Das , Sarat Chandra Nayak, Biswajit Sahoo	Subhranginee Das
80	An Artificial Electric Field Algorithm and Artificial Neural Network-Based Hybrid Model for Software Reliability Prediction	Ajit Kumar Behera , Mrutyunjaya Panda, Sarat Chandra Nayak, Ch. Sanjeev Kumar Dash	Ajit Kumar Behera
138	Predictive Analytics of an Engineering and Technology Admissions	Sachin Bhoite , Punam Nikam, Ajit More,	Sachin Bhoite
146	Customer Segmentation via Data Mining Techniques: State-of-the-art Review	Saumendra Das, Janmenjoy Nayak	Saumendra Das
158	Solar Radiation Prediction using Artificial Neural Network: A Comprehensive Review	Bireswar Paul , Hrituparna Paul	Bireswar Paul
183	A Comparative Study of Different Forecasting Models for Energy Demand Forecasting	Tanvir Islam , Saber Elsayed, Daryl Essam, Ruhul Sarker	Tanvir Islam
196	QCM Sensor based Alcohol Classification using Ensembled Stacking Model	Pemmada Suresh Kumar , Rajyalaxmi Pedada, Janmenjoy Nayak, Behera H S, Sai Pratyusha G M, Vanaja Velugula	Pemmada Suresh Kumar
216	Big Data In Education: Present And Future	Janmenjoy Nayak , H. Swapnarekha, Ashanta Ranjan Routray, H. S. Behera	H. Swapnarekha