

# 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**

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

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

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

Time: **03.30 pm – 05.00 pm**

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

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

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

Time: **03.30 pm – 05.00 pm**

<b>Paper Id</b>	<b>Paper Title</b>	<b>Authors</b>	<b>Presenting Author</b>
58	A Novel BFS and CCDS based Efficient Sleep Scheduling Algorithm for WSN	<b>B. Srinivasa Rao</b>	<b>B. Srinivasa Rao</b>
75	The Impact of UV-C Treatment on Fruits and Vegetables for quality and Shelf Life Improvement using Internet of Things	<b>Sneha N</b> , Bhagya M Patil	<b>Sneha N</b>
105	Topology Dependent Ant Colony Based Routing Scheme for Software-Defined Networking in Cloud	Shylaja B S, <b>Deepu S R</b> 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	<b>J.Aruna Jasmine</b> ,C.Heltin Genitha	<b>J.Aruna Jasmine</b>
145	An Effective VM Consolidation Mechanism by using the Hybridization of PSO and Cuckoo Search algorithms	<b>Sudheer Mangalampalli</b> , Pokkuluri Kiran Sree, SSSN Usha Devi N, Ramesh Babu Mallela	<b>Sudheer Mangalampalli</b>
189	Prediction of Dynamic Virtual Machine (VM) Provisioning in Cloud Computing using Deep Learning	Biswajit Padhi, <b>Motahar Reza</b> , Indrajeet Gupta, Poorna Sai Nagendra, Sarath S Kumar	<b>Motahar Reza</b>
199	Design of Intelligent Framework for Intrusion Detection Platform of Internet of Vehicles	<b>Ch. Ravi Kishore</b> , D. Chandrasekhar Rao, Janmenjoy Nayak, H.S. Behera	<b>Ch. Ravi Kishore</b>
213	Identification of Malicious access in IoT Network from Connection Traces by using Light Gradient Boosting Machine	Etuari Oram, <b>Bighnaraj Naik</b> , Manas Ranjan Senapati	Etuari Oram

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

Date: **12/12/2021(Day 2)**

Time: **11.30Noon – 1:00pm**

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

Session Name: **TS:5: Intelligent Text Mining**

Date: **12/12/2021 (Day 2)**

Time: **11.30 Noon – 1:00pm**

<b>Paper Id</b>	<b>Paper Title</b>	<b>Authors</b>	<b>Presenting Author</b>
6	Sentiment Analysis: A Recent Survey with Applications and a Proposed Ensemble Algorithm	<b>Srishti Jain</b> , Vishal Gupta	<b>Srishti Jain</b>
50	Topic Evolution Model for Interactive Information Search	<b>Harshal Adhav</b> , Vikram Singh	<b>Harshal Adhav</b>
83	Disaster Event Detection from Text: A Survey	<b>Anchal Gupta</b> , Monika Rani, Sakshi Kaushal	<b>Anchal Gupta</b>
109	Adaptive Classifier Using Extreme Learning Machine for Classifying Twitter Data Streams	<b>Arun Manicka Raja M</b> , Swamynathan S, Sumitha T	<b>Arun Manicka Raja M</b>
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, <b>Shankar Sriram V S</b>	<b>Shankar Sriram V S</b>
174	A Concise Review on Automatic Text Summarization	<b>Dishank Jani</b> , Nehal Patel, Hemant Yadav, Sanket Suthar, Sandip Patel	<b>Dishank Jani</b>

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

Date:**12/12/2021(Day 2)**

Time: **03:00pm –04:30pm**

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

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

Date:**12/12/2021(Day 2)**

Time: **03:00pm –04:30pm**

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