

IGIT SARANG
SPRINGER International Conference on Machine Learning, IoT and BigData 2020
(ICMIB 2020)
September 19, 2020 (Day 1)

| Timing | Events |
|---|--|
| <p style="text-align: center;">Conference Inauguration</p> <p>Click here to open the Meeting link:</p> <p>Click here to open Youtube Live link</p> | |
| 9:30 AM to 9:40 AM | Arrival of the Guests |
| | Inviting the Guest to the Dias (Few guests will join online) |
| | Presentation of Flower bouquet |
| | Lamp lighting, Saraswati Vandana |
| | Request the President to preside over the meeting |
| 9:40 AM to 9:45 AM | Welcome address by Organising Chair Prof. S. N. Mishra, IGIT Sarang, India |
| 9:45 AM to 9:50 AM | Address by Technical Programme Chair Prof. Siba K. Udgata, University of Hyderabad, India |
| 9:50 AM to 9:55 AM | Address by TEQ IP Coordinator Prof. Rabindra Ku. Behera |
| 9:55 AM to 10:05 AM | Address by General Chair Prof. Lalit Mohan Patnaik, National Institute of Advanced Studies and Indian Institute of Science, Bangalore |
| 10:05 AM to 10:15 AM | Address by Chief Guest |
| 10:15 AM to 10:20 AM | Release of Conference Souvenir |
| 10:20 AM to 10:25 AM | Address by President Prof. Satyabrata Mohanta, DIRECTOR, IGIT SARANG |
| 10:25 AM to 10:30 AM | Vote of Thanks by Organising Chair and Convenor Prof. Srinivas Sethi, IGIT Sarang, India |
| 10:30 AM to 10:45 AM | Tea Break |

| Keynote Talks | |
|-----------------------|---|
| 10:45 AM -11:45 AM | <p>#Keynote 1 Click here to open the Meeting link YouTube Live link</p> <p>Prof. Rajkumar Buyya Professor and Director of the Cloud Computing and Distributed Systems (CLOUDS) Laboratory at the University of Melbourne, Australia. Title: New Frontiers in Cloud and Edge Computing for Big Data & Internet-of-Things Applications</p> <p>Chairperson: Prof. Lalit Mohan Patnaik, National Institute of Advanced Studies and Indian Institute of Science, Bangalore</p> |
| 11:45 AM – 12:00 Noon | Break |
| 12:00 am-1:00 pm | <p>#Keynote 2 Click here to open the Meeting link YouTube Live link</p> <p>Prof. Md. Atiqur Rahman Ahad Professor of University of Dhaka, Bangladesh and University of Osaka, Japan Title: Activity Recognition: Healthcare Prospective & Others</p> <p>Chairperson: Prof. Siba K. Udgata, University of Hyderabad, India</p> |
| 1:00 pm -2:00 pm | Lunch Break |

Technical Paper Presentation: (Session-1) (Communication and Computing)**Date: 19-09-2020 Time: 2:00 PM to 3:30PM**Session Join Link: [Session Link](#)**Session Chair :****Session Co-Chair :**

| Paper ID | Paper Title |
|-----------------|--|
| 84 | TB-EDA: A Trust Based Event Detection Algorithm to Detect False Events in Software Defined Vehicular Network |
| 86 | A Multi-objective Sensor Node Deployment Method for Connected probabilistic Target Coverage problem in Wireless Sensor Network |
| 107 | Minimizing Energy & Cost through VM Placement using Meta-Heuristic Algorithm in Cloud Data Center |
| 110 | Green Mobile Computing |
| 49 | Load reduction using temporal modeling and prediction in Periodic Sensor Networks |
| 70 | Unconstrained Optimization Technique in Wireless Sensor Network for Energy-efficient Clustering. |

Technical Paper Presentation: (Session-2) (Data Science)**Date: 19-09-2020 Time: 2:00 PM to 3:30PM**Session Join Link: [Session Link](#)**Session Chair :****Session Co-Chair :**

| Paper ID | Paper Title |
|--------------------|--|
| 13 | Weather Prediction Using Hybrid Soft Computing Models |
| 17 | FindMoviez: A Movie Recommendation System |
| 25 | Sediment rating curve and sediment concentration estimation for Mahanadi River |
| 64 | UHWSF:Univariate Holt Winters Based Store Sales Forecasting |
| 71 | A Smartphone App based model for classification of Users and Reviews |
| 79 | An Inference Engine Integrated with Health Parameters for Medical Web Platform |
| 87 | An Empirical Study of Green Supply Chain Management by Using an Optimisation Tool An Eastern India Perspective |
| 3:30 PM to 3:45 PM | Break |

Technical Paper Presentation: (Session-3) (Engineering and Technology)**Date: 19-09-2020 Time: 3:45 PM to 5:15 PM**Session Join Link: [Session Link](#)**Session Chair :****Session Co-Chair :**

| Paper ID | Paper Title |
|-----------------|--|
| 7 | A Low Cost Smart Solar DC Nano-grid for Isolated Rural Electrification: Cyber Physical System Design and Implementation |
| 20 | Active Filter with 2-Fuzzy Intelligent Controller: A Solution to Power Quality Problem |
| 53 | Type-I Fuzzy Logic Controller based Direct Torque Control of Mathematically Modeled Induction Motor Drive using PI and Sliding Mode Controller |
| 78 | A comparative analysis of fuzzy logic-based DTC and ST-DTC using 3-level inverter for torque ripple reduction |
| 102 | Neural Network Based Receiver in MIMO-OFDM system for Multiuser detection in UWA communication |
| 114 | Fault Detection In Differential Spectral Energy Based STATCOM Compensated Double Circuit Line. |
| 33 | Multiagent System of Autonomous Underwater Vehicles in Octagon Formation |

Technical Paper Presentation: (Session-4) (Machine Learning)**Date: 19-09-2020 Time: 3:45 PM to 5:15 PM**Session Join Link: [Session Link](#)**Session Chair :****Session Co-Chair :**

| Paper ID | Paper Title |
|-----------------|---|
| 2 | An approach for Heart Disease Prediction using Machine Learning |
| 21 | Analysis of Covid Confirmed and Death Cases using different ML Algorithms |
| 38 | A Circumstantial Methodological Analysis of Recent Studies on NLP-driven Test Automation Approaches |
| 42 | Benchmark of Unsupervised Machine Learning Algorithms for condition monitoring |
| 44 | Investigation of the Efficiency for Fuzzy Logic based MPPT Algorithm dedicated for standalone Low cost PV systems |
| 54 | Measuring the Performance of a Model Semantic Knowledge-base for Automation of Commonsense Reasoning |
| 69 | Sentiment Analysis using Semi Supervised Machine Learning Technique |

September 20, 2020 (Day 2)

Keynote Talks

Click here to open the [Meeting link](#)

Click here to open [YouTube Live link](#)

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|----------------------|--|
| 10:00 AM - 10:45 AM | <p>#Keynote 3</p> <p>Prof. Yu-Dong Zhang Professor Department of Informatics, University of Leicester, United Kingdom Title: Deep learning and chest CT for COVID-19 detection</p> <p>Chairperson: Prof. Srinivas Sethi, IGIT Sarang, INDIA</p> |
| 10:45 AM - 11:30 AM | <p>#Keynote 4</p> <p>Dr. Soodkhet Pojprapai School of Ceramic Engineering, Institute of Engineering, Suranaree University of Technology, Thailand Title: Smart Insoles: from Research to Start-up</p> <p>Chairperson: Prof. Sarojananda Mishra, IGIT Sarang, INDIA</p> |
| 11:30 AM -11:45 Noon | Tea break |
| 11:45 AM -12:30 PM | <p>#Keynote 5</p> <p>Prof. Siba K Udgata AI Lab,School of Computer and Information Science University of Hyderabad, India Title: Sensing without Sensors: A Deep Learning Model for Human Activity Recognition using Wireless Signals</p> <p>Chairperson: Prof. (Mrs.) Ashima Rout, IGIT Sarang, INDIA</p> |
| 12:30 AM-01:15 AM | <p>#Keynote 6</p> <p>Mr. Aninda Bose Senior Editor Research Publishing – Books (Interdisciplinary Applied Sciences) Springer Nature, New Delhi, India Title: Elements of Book Publishing</p> <p>Chairperson: Prof. Sunil Kumar Tripathy, IGIT Sarang, INDIA</p> |
| 1:15 PM - 2:00 PM | Lunch Break |

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| Technical Paper Presentation: (Session-5) (Internet of Things) Date: 20-09-2020 Time: 2:00 PM to 3:30PM | |
| Session Join Link: Session Link | |
| | |
| Session Chair : Session Co-Chair : | |
| Paper ID | Paper Title |
| 22 | How good are classification models in handling dynamic intrusion attacks in IoT? |
| 29 | An Energy Efficient Routing with Particle Swarm Op-timization and Aggregate Data for IOT enabled Software Defined Networks |
| 32 | Design of IoT Based Real-Time Security System Using Raspberry Pi |
| 36 | Fuzzy Q-Reinforcement Learning Based Energy Optimization In IoT Network |
| 46 | Distributed Channel Assignment in Cognitive-Radio Enabled Internet of Vehicles |
| 49 | Automated Precision Irrigation System using Machine Learning and IoT |
| 81 | Analysis of Security Vulnerabilities of Internet of Things and it's Solutions |
| | |
| Technical Paper Presentation: (Session-6) (Machine Learning) Date: 20-09-2020 Time: 2:00 PM to 3:30PM | |
| Session Join Link: Session Link | |
| Session Chair : Session Co-Chair : | |
| Paper ID | Paper Title |
| 75 | Classification of Arrhythmia beats using Optimized K-Nearest Neighbor Classifier |
| 80 | Diabetes Prediction Using Machine Learning |
| 83 | Cognitive Function of Human Memory using Machine Learning |
| 95 | An Earthquake Prediction System for Bangladesh using Deep Long Short-term Memory Architecture |
| 105 | Employing Deep Neural Network for Early Prediction of Students' Performance |
| 118 | Wi-Fi Fingerprint Localization based on Multi-Output Least Square-Support Vector Regression |
| 3:30 PM to 3:45 PM | Break |
| | |

Technical Paper Presentation: (Session-7) (IMAGE PROCESSING)

Date: 20-09-2020 Time: 3:45 PM to 5:00 PM

Session Join Link: [Session Link](#)

Session Chair :

Session Co-Chair :

| Paper ID | Paper Title |
|-----------------|---|
| 40 | Plant Disease Recognition from Leaf Images Using Convolutional Neural Network |
| 56 | COVID-19 Detection and Prediction using Chest X-Ray Images |
| 68 | Advanced Binary-Matrix based Frequent Pattern Mining Algorithm |
| 101 | Off-line Odia Handwritten Characters Recognition using WEKA Environment |

Technical Paper Presentation: (Session-8) (OPTIIZATION)

Date: 20-09-2020 Time: 3:45 PM to 5:00 PM

Session Join Link: [Session Link](#)

Session Chair :

Session Co-Chair :

| Paper ID | Paper Title |
|-----------------|--|
| 9 | Global Path Optimization of Humanoid Nao in Static Environment using Prim's Algorithm |
| 92 | A Fuzzy AHP Approach to Evaluate the Strategic Design Criteria of a Smart Robotic Powered Wheelchair Prototype |
| 117 | OPTIMIZING THE VALID TRANSACTION USING REINFORCEMENT LEARNING BASED BLOCKCHAIN ECOSYSTEM IN WSN |
| 65 | A Nature Inspired based Multi-Objective Service Placement in Fog Computing Environment |
| 41 | Optimum Design of Profile Modified Spur Gear Using PSO |
| | |

Valedictory Function

Time: 5:00 PM to 5:15 PM

Session Link: [Meeting link](#)