Conference Program

AIBThings-2024

IEEE International Conference on Artificial Intelligence, Blockchain, and Internet of Things

September 07-08, 2024

Central Michigan University,

Michigan, USA

IEEE International Conference on Artificial Intelligence, Blockchain, and Internet of Things
Central Michigan University (CMU), USA
September 07-08, 2024

DAY-1: In-Person Sessions
Saturday, September 07, 2024
Venue: Courtyard Hotel,
Mount Pleasant, MI, 48858, Room Omega III
All timing follows Eastern Standard Time (EST), UTC-4

07:30 - 16:00	Registration
07:30 - 08:00	Breakfast
08:00 - 08:05	Conference Opening
08:05 - 08:45	Keynote: Mr. Anmol Sood
08:45 - 09:30	Keynote: Dr. Ahmed Ammar
09:30 - 10:15	Keynote: Dr. Zag Elsayed
10:15 - 10:45	Coffee Break
10:45-11:45AM	Women in Computing Empowerment: Challenges and Opportunities in Academia and Industry **Google Meet Link**
12:00 - 13:00	Lunch Break
13:00 - 15:00	In-Person Technical Session – 1
15:00 - 15:30	Coffee Break
15:30 - 17:30	In-Person Technical Session – 2
18:00 - 19:00	Dinner

DAY-2: Online Sessions
Sunday, September 08, 2024
All timing follows Eastern Standard Time (EST), UTC-4

	Google Meet Link-1	Google Meet Link-2
08:00 – 10:00	Online Technical Session - 3	Online Technical Session - 4
10:00 – 12:00	Online Technical Session - 5	Online Technical Session - 6
12:00 – 12:30	Break	
12:30 - 13:00	Keynote: Dr. Tala Talaei Khoei	
13:00 – 15:00	Online Technical Session - 7	Online Technical Session - 8
15:00 – 15:15	Break	
15:15 – 17:15	Online Technical Session - 9	Online Technical Session - 10

IEEE International Conference on Artificial Intelligence, Blockchain, and Internet of Things
Central Michigan University (CMU), USA
September 07-08, 2024

Day 1: September 07, 2024
In-Person Technical Session -1
Session Chairs: Dr. Md Rafiul Kabir

ID	Author/Title
44	**Sylvia Azumah, Nelly Elsayed, Zag ElSayed, Murat Ozer, Amanda La Guardia** Deep Learning Approaches for Detecting Adversarial Cyberbullying and Hate Speech in Social Networks
51	**Volviane Saphir Mfogo, Alain Zemkoho, Laurent Njilla, Marcellin Nkenlifack, Charles Kamhoua** Deceptive Approach for Internet of Things Security with Machine Learning
56	**Vasavi Chintamaneni, Sai Debbadi, Sri Kandula, Rasha Gargees** Hybrid Deep Learning/Machine Learning Model for Retinal Diseases Classifications Using OCT Images
57	**Sophia Tali, Daniel Noguera, Rasha Gargees** Comparative Analysis of Hate Speech Detection Using Various Vectorization and Classification Techniques
58	**Stephane Maillard, Mohammad Safayet Khan** French regional languages identification using custom dataset and Naive Bayes model

Day 1: September 07, 2024
In-Person Technical Session - 2
Session Chairs: Dr. Rasha Gargees

ID	Author/Title
65	**Odunayo G Adepoju, Kevin Jin, Kemi Akanbi, Saheed Popoola** Early Detection of Heart Disease Using Machine Learning Algorithm: Performance Analysis and Model Comparison
77	**Zaman, Ank; Chatterjee, Prosenjit; Sharma, Rajat** Real-Time Drivers' Drowsiness Detection: A Deep Learning Approach
105	**Zaman, Ank; Chatterjee, Prosenjit; Vashi, Tapas** Social Impact of Healthcare Privatization: An Analysis
103	**Fakhouri, Hussam** Hybrid Four Vector Intelligent Optimizer with SaDE for Solving Robot Gripper Optimization Problem

Day 2: September 08, 2024
Online Technical Session - 3
Session Chairs: Dr. Ganesh Kumar

ID	Author/Title
155	**Ayisha Tabbassum, Vinod Goje, Pradeep Chintale, Shaik Kareem** The Use Of Blockchain To Enhance Transparency And Accountability In Sre Workflows.
28	**Abhishek S Phadke, Chandra N Sekharan, Karthik Vasudeva, Prof. Dr. Dulal Kar** Unifying Sky and Chain: A Perspective on Blockchain'S Role In Uav Swarms
108	**Sheenam Naaz, Suraiya Parveen** Enhancing Security In Smart Cities: A Blockchain And Ai Integrated Framework
139	**Nafay Rizwani, Akhtar Jamil, Alaa Ali Hameed** Deep Learning-Based Techniques for Intrusion Detection Systems

22	**Dhanush Adithya, Tala Talaei Khoei, Aditi Singh**
	An Effecient Deep Learning-Based Model For Detecting And Tracking Multiple Objects
110	**Ikhlass Boukrouh, Faouzi Tayalati, Abdellah Azmani**
	Integrating Genetic Algorithms And Analytic Hierarchy Process For Customer Retention Optimization In E-Commerce
111	**Faouzi Tayalati, Ikhlass Boukrouh, Abdellah Azmani, Monir Azmani**
	Predictive Quality Defects Combining Design Of Experiments And Machine Learning A Case Study On Shrinkage In Injection Molding
112	**Shijon Das, Mohamed Ibrahem, Mostafa M. Fouda**
	A Survey On The Landscape Of Machine Learning Solutions For Detecting Phishing Attacks

Day 2: September 08, 2024
Online Technical Session - 4
Session Chairs: Dr. Tala Talaei Khoei

115	**Mahmoud Darwich, Magdy Bayoumi**
	Adaptive Multi-Path Video Streaming Using Ai-Driven Edge Computing For Enhanced Quality Of Experience (Qoe)
116	**Asif Rasheed, Zubair Md Fadlullah, Mostafa M. Fouda**
	Alzheimer's Disease Stage Classification Using Blood Data
158	**Eisha Rehan, Shahwaiz Memon, Muhsin Raza, Muhammad Asif Naeem, Fazeel Nadeem Bhatti**
	A Light-Weight Image to Description Model Using Knowledge Distillation
122	**Jason Eckardt-Taing, Yasser Alginahi**
	Real-Time American Sign Language Recognition Using Machine Learning
123	**Tamador Nadem Mohaidat, Md Rahat Kader Khan, Kasem Khalil**
	Efficient Hardware Implementation of Gelu Activation Function Using Curvature-Based Piecewise Linear Approximation Method
124	**Md Abdur Rahman, Mst. Shapna Akter, Hossain Shahrier, Fan Wu, Alfredo Cuzzocrea**
	Applying Pre-Trained Multilingual Bert In Embeddings For Improved Malicious Prompt Injection Attacks Detection
125	**Enoch Solomon**
	Reinforcement Learning For Autonomous Agents Via Deep Q Networks (Dqn) Within Vizdoom Environment
126	**Enoch Solomon, Abraham Woubie, Eyael S Emiru, Ahmed F Abdelzaher**
	Secure and Efficient Face Recognition Via Supervised Federated Learning

Day 2: September 08, 2024
Online Technical Session - 5
Session Chairs: Dr. Kasem Khalil

132	**Atoshe Islam Sumaya, Shamim Forhad, Md Al Rafi, Hamdadur Rahman, Qazi Tareq, Prof. Dr. Engr. Muhibul H Bhuyan**
	Enhanced Plant Disease Detection Using Convolutional Neural Networks: A Comparative Study Of Alexnet, Googlenet, Vgg19, Resnet50, And Resnet101
133	**Md Rahat Kader Khan, Tamador Nadem Mohaidat, Kasem Khalil**
	Predicting Acute Myocardial Infarction Using Machine Learning Algorithms
114	**Mahmoud Darwich, Magdy Bayoumi**
	End-To-End Secure Video Streaming Using Homomorphic Encryption Techniques

140	**Shekhar Shukla, Vartul Shrivastava**
	Vectorizing Judicial Texts: A Novel Approach For Analysing Pocso Judgments Using Text Embeddings And Transformers
142	**Kasem Khalil**
	Efficient Deep Learning Approach for Arthritis Prediction
145	**Antora Dev, Yomna Mohamed, Ahmed Hamed, Yidong Xia, Robert Seifert, Mostafa M. Fouda**
	Automated Phenotyping of Herbaceous Biomass Using U-Net Architecture For M-Ct Images Segmentation
149	**Thomas J Kopcho, Mostafa M. Fouda, Cameron Krome**
	A Lightweight Ai Model for Anomaly Detection In Wireless Networks
150	**Thomas J Kopcho, Mostafa M. Fouda, Cameron Krome, Anna Quach, Israel Olaveson**
	Analyzing the Impact of Security Measures On Wi-Fi Quality Of Service

| **Day 2: September 08, 2024** |
| **Online Technical Session - 6** |
| **Session Chairs: Dr. Mohamed Shaban** |

151	**Yasser Ismail, Fred Lacy, Emmanuel Essel**
	Optimizing Resource Utilization and Power Efficiency In Fpga-Accelerated Yolov8 Object Detection Using Vivado High-Level Synthesis (Hls) Tool
106	**Mohammed A Alqodah, Mahdia Tahsin, Mohammad Omari**
	Rf-Based Lightweight Machine Learning For Comprehensive Drone Activity Classification
105	**Ank Zaman, Prosenjit Chatterjee, Tapas Vashi**
	Social Impact Of Healthcare Privatization: An Analysis
107	**Tanzim Mostafa, Mohamed Ibrahem, Mostafa M. Fouda**
	Unraveling Model Inversion Attacks: A Survey Of Machine Learning Vulnerabilities
99	**Arifa Islam Champa, Md Fazle Rabbi, Mostafa M. Fouda, Minhaz Zibran**
	Deep Enough? On The Effectiveness Of Deep Learning In Phishing Email Detection
27	**Md. Bipul Hossain, Mohamed Shaban**
	Resource Efficient Deep Learning Architectures For Histopathology-Based Colorectal Cancer Detection
36	**Mohammed Majid Al Khalidy**
	Secure Energy Transactions In Smart Grids Using Blockchain And Machine Learning
39	**Mohamed Shaban**
	Prediction of Freezing Of Gait For Patients With Parkinson'S Disease Using Deep Learning

| **Day 2: September 08, 2024** |
| **Online Technical Session - 7** |
| **Session Chairs: Dr. Rasha Gargees** |

42	**Md Athikul Islam, Md Nazmus Sakib, Md Mashrur Arifin**
	Automatic Pull Request Description Generation Using Llms: A T5 Model Approach
43	**Md Athikul Islam, Md Nazmus Sakib, Royal Pathak, Md Mashrur Arifin**
	Risks, Causes, And Mitigations Of Widespread Deployments Of Large Language Models (Llms): A Survey

45	**Chris Brogly, Austin Mccutcheon**
	Here'S What To Read: Interrupted Time Series Analysis Of Clickbait On Worldwide News Websites, 2016-2023
46	**Naga Sri Harsha Sankabathula, Isaac K Nti, Murat Ozer**
	Thyro-Ai: Harnessing Machine Learning For Thyroid Prediction
47	**Michael Arthur Mills, Tala Talaei Khoei**
	Future-Proofing Computer Behavior: A Framework For Predictive Analytics And Seamless Device Integration
48	**Sivani Chava, Isaac K Nti, Murat Ozer**
	A Thematic Analysis And Detection Of Fraudulent Online Ratings
161	**Andleeb Khan, Parma Nand, Bharat Bhushan, Esraa Mohammed Alazzawi**
	A Review of Spectrum Sharing in 6G for IoT Environment
163	**Andleeb Khan, Parma Nand, Bharat Bhushan, Alaa Ali Hameed, Akhtar Jamil**
	A Review of Blockchain based Decentralised Authentication Solutions and their improvement through Metamask

Day 2: September 08, 2024
Online Technical Session - 8
Session Chairs: Dr. Enkeleda Lulaj

62	**Foster A Yeboah, Jones Yeboah, George Yeboah, Kofi Bampoh, Owusu Nyarko-Boateng**
	Comparative Analysis Of Tree Classifiers To Mitigate Fraud In Electronic Loan Application
53	**Mahamudul Hasan**
	An Ensemble Weighted User Based Collaborative Filtering Recommender System
66	**Jones Yeboah, Saheed Popoola**
	Analyzing User Sentiments Towards Static Analysis Tools: A Study Using User Reviews
78	**Jones Yeboah, Saheed Popoola**
	Uncovering User Concerns And Preferences In Static Analysis Tools: A Topic Modeling Approach
95	**Md.Tanvir Chowdhury , Habibur Rahman, Monjurul Islam Sumon**
	Analyzing A/B Testing Results In Digital Marketing
70	**Yakubu Joseph Itodo**
	Enhancing Network Intrusion Detection System Using Ndae with Xgboost
73	**Brett S Sicard, Stephen Gadsden**
	Hybrid Modeling for Condition Monitoring In Digital Twin Systems
54	**Mahamudul Hasan**
	An Efficient Multi-Threaded Collaborative Filtering Approach In Recommendation System

Day 2: September 08, 2024
Online Technical Session - 9
Session Chairs: Dr. Junaid Shuja

76	**Sandeep D Shiraskar, Dominick Rizk**
	Advancements In Brain Tumor Detection: Utilizing Xception Enhanced Tumor Identifier Network
165	**Atul Agrawal, Pashupati Baniya, Esraa Mohammed Alazzawi, Nitin Rakesh, Bharat Bhushan**
	Detection of DoS and DDoS Attacks Using Machine Learning and Blockchain in IoMT Networks
80	**Mohammad A Sharif**
	Efficient Health Class Recommendations for Kaiser Permanente Members: A Scalable Embedding-Based Approach
135	**Md. Sabbir Hossain**
	Smart Home Automation System Controlling Through Computer Vision

101	**Ahmed F. Ashour, Mohamed A. Torad, Mostafa M. Fouda, Eslam Samy El-Mokadem, Mohamed Abdulhamid Elkassas** Enhanced Iot Data Security With Robust Aes-Cbc Encryption Algorithm
127	**Hussien A Khaled, Mohamed Ibrahem** Exploring Advanced Techniques For Identifying Electricity Theft In Smart Grid Systems
128	**Hussien A Khaled, Mostafa M. Fouda, Mohamed Ibrahem** Demand Response In Smart Grids: Challenges, Solutions, And Security Implications
131	**Hussien A Khaled, Mostafa M. Fouda, Mohamed Ibrahem** Privacy Preservation Techniques In Smart Grids: Balancing Security and Utility In IoT-Driven Environments
104	**Ahmed Alsalem, Mohamed Zohdy** Wheat Field Fire Smoke Detection from UAV Images using CNN-CBAM
	Day 2: September 08, 2024 **Online Technical Session - 10** **Session Chairs: Dr. Bharat Bhushan and Dr. Faezeh Soleimani**
119	**Siddique Abubakr Muntaka** Harnessing It Best Practices: Iot For Continuous Monitoring And Control In Agriculture
118	**Yash Jani** Scaling Visual Creativity: Benchmarking Stable-Diffusion-3 On Aws Cloud
87	**Enkeleda Lulaj, Desi Tahiraj, Alaa Ali Hameed, Donjeta Lulaj** Seeing Isn'T Always Believing: Unveiling The Financial Risks Of Fraudulent Images On Personal Finances In Online Shopping
94	**Xian Gao, Peixiong He, Yi Zhou, Xiao Qin** Limited Resources Usage Of Deep-Learning-Based Iot Devices In Healthcare
34	**Md.Tanvir Chowdhury , Habibur Rahman, Monjurul Islam Sumon, Abu Talha** Exploring The Challenges And Solutions For Securing Smart Cities
61	**Shakib Sadat Shanto, Rahul Paul, Zishan Ahmed, Ahmed Shakib Reza, Kazi Mejbaul Islam, Saumya Shovan Roy** Console Log Explainer: A Framework For Generating Automated Explanations Using LLM
117	**Shaibal Das, Mostafa M. Fouda** Advanced Drone Detection: Countering Evasion Strategies Through Optical Camouflage Techniques
79	**Bakhshi, Mitra** Novel Saliency Analysis for the Forward-Forward Algorithm