5th International Conference on ICT for Development for Africa October 26-28, Bahir Dar, Ethiopia		
Day 1: Hybride ***Thursday OCtober 26, 2023***		
Time	***Title/Task***	***Presenter***
08:00 – 8:30	***Registration (Joining Zoom)***	Participants
08:31 – 08:40	*Conference Briefing*	Dr. Esubalew Alemneh
08:41 – 08:45	*Message from Deputy Scientific Director for Research and Community Service, Bahir Dar Institute of Technology Bahir Dar University*	Dr. Mekuanint Agegnehu
08:46 – 08:50	*Welcome Speech*	Prof Ethiopia Nigussie
08:51 - 09:35	***Keynote Speech I****: 5G Testbeds the Innovation Vehicle for Smart Cities*	Prof Jari Handelberg
09:36 -10:15	***Keynote Speech II:*** *ICT and Fresh Water lake Ecosystems and Services*	Prof Nils Gustav Andreas
10:16 -10:30	***Coffee Break***	
10:31 – 11:15	***Keynote Speech III:*** *Building our Sustainable Future through Science and Computing*	Dr. Solomon Assefa
Paper Presentations		
11:16 - 11:35	Mutual Coupling Reduction for Multiband Phased Array Antenna using Metamaterial Surface for Millimeter Wave Communication	Dr. Mulugeta Atlabachew
11:36 - 11:55	Visual Acuity Classification Using Ensemble Machine Learning Algorithms: With Explainable Approach	Dr. Abdulkerim Mohammed
11:56 - 12:15	Application of Machine Learning Algorithms for Pneumonia Detection and Classification	Mr. Hamza Shukir
12:16 - 12:35	Evaluating the effectiveness of hybrid features in fake news detection on social media	Mr. Tadesse Kebede
12:36 - 12:55	Habesha Women's Dress Embroidery Design Identification Using an Ensemble Feature Extraction Approach	Mr. Assaminew Gizaw
12:56 – 14:30	***Conference Lunch***	
Parellel Sessions (3 Virtual Sessions)		
Parallel Session I ***Track 1: Intelligent Systems and Data Science***		
Time	***Topic***	***Presenter***
14:31 – 14:45	An AI Contribution to African Economic Development through Mother Tongue Education - a Linguistic Evaluation of an African-based AI Mathematics Tutoring Bot	Laurie Butgereit
14:46 – 15:00	Small Screws Detection using Machine Vision	Getachew A Ambaye
15:01 –15:15	Software Risk Prediction at Requirement and Design Phase : An Ensemble Machine Learning Approach	Yibeltal Assefa Zelelew
15:16 - 15:30	Machine Learning Based Delivery Date Prediction For Child Birth	Yibeltal Assefa
15:31 - 15:45	Test case generation from quality attribute scenarios using machine learning approach	Abebaw Worku
15:46 – 16:00	***Coffee Break***	
16:01 - 16:15	Automatic Medical Image diagnosis for lung diseases using deep transfer learning	Irad Mwendo

16:16 - 16:30	Anaphoric Term Classification and Resolution Model for Amharic Pronouns: Using Deep Learning Technique	Siraye Mekonnen
16:31 - 16:45	Classification and Prioritization of Requirements Smells Using Machine Learning Techniques	Fekerte Berhanu Tadle
16:46 - 17:00	Toward explainable Artificial intelligence for Pneumonia and tuberculosis classification from Chest X-ray	Getamesay Haile Dagnaw
17:01 - 17:15	Detecting Fraud in Motor Insurance Claims Using XGBoost Algorithm with SMOTE	David Gichohi Maina
Parallel Session II ***Track 1: Intelligent Systems and Data Science and Track 5: Natural Language Processing***		
Time	***Topic***	***Presenter***
14:31 – 14:45	Wind power Forecasting Model using Deep Learning Approach	Seblewongale Ayene
14:46 – 15:00	A Real-Time Obstacle Detection And Classification System For Assisting Blind And Vissually Impaired People Based On Yolo Model	Yesuneh Getachew
15:01 –15:15	Multitask Deep Learning Approach for Habesha Fashion Cloth Recognition and Classification	Yohannes Abinet
15:16 - 15:30	A Knowledge-Based System to Predict Crime from Criminal Records in the case of Hossana Police Commission	Betelhem Zewdu
15:31 - 15:45	Hybrid Deep-Machine Learning Based Performance Comparison for Soybean Plant Disease Identification	Yirga Yayeh
15:46 – 16:00	***Coffee Break***	
16:01 - 16:15	Design Amharic Text Sentiment Analysis Model Using Machine Learning Techniques. In Case of restaurant reviews.	Birku Gedif
16:16 - 16:30	COSMIC-Functional Size Classification of Agile Software Development: Deep Learning Approach	Yohannes Sefane
16:31 - 16:45	Ge'ez-English Bi-directional Neural Machine Translation Using Transformer	Yirga Yayeh
16:46 - 17:00	Machine Learning Based Soil-type Classification	Yirga Yayeh
17:01 - 17:15	Hadiyyissa Automatic Speech Recognition using Deep Learning Approach	Amin Tuni Gure
Parallel Session III ***Track 2: Wireless Communications & Emerging Networking, Track 4: Security, Track 5: Natural Language Pr*** ***Track 6: Information System***		
Time	***Topic***	***Presenter***
14:31 – 14:45	Bi-directional Machine Translation between Amharic and Khimtagne using Deep Learning	Adane K Chekole
14:46 – 15:00	Geez Part of Speech Tagging Using Deep Learning Approaches	Abdulkerim Mohammed
15:01 –15:15	Multimodal Cyberbullying Detection Using Deep Learning Techniques: A Review	Immaculate Ms Musyoka
15:16 - 15:30	Machine Learning-Based Categorization Of Racism In Amharic Text Using Multi-Class Classification	Abebe Desie
15:31 - 15:45	Data-Driven Decision-Making and Its Impacts on Education Quality in Developing Countries: A Systematic Review	Zelalem Asfaw
15:46 – 16:00	***Coffee Break***	

16:01 - 16:15	Investigating the Benefits of Using Non-Orthogonal Multiple Access for double connction LiFi-RF Networks.	Ermias Kassahun
16:16 - 16:30	Performance Analysis of SDN with a Hybrid Data Plane of MPLS and SDN	Belayneh Kebie Teshome
16:31 - 16:45	Performance Analysis of POCO Framework under Failure Scenario in SDN-Enabled Controller Placement	Sefinew Getenet
16:46 - 17:00	Controller-Targeted DDoS Attack Detection and Mitigation in Software-Defined Internet of Vehicles (SD-IoV)	Behaylu T. Alemu
17:01 - 17:15	Ensemble Learning for Encrypted Malware Detection and Classification	Sileshi Nibret Zeleke
Closing Remarks [ICT4DA-2023 Organizing Committee]		

Moderator
Biniam Behailu
Dr. Michael Melse
Dr. Ethiopia Nigussie
Dr. Tesfa Tegegne
Dr Fisseha Mekuria
Dr. Mohammed Abebe
Chair person
Dr. Tesfa Tegegne

Dr. Mohammed Abebe
Chair person
Dr. Abdulkerim Mohammed
Dr. Michael Melse
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Chair person
Dr. Esubalew Alemneh

Dr. Mekuanint Agegnehu