

The International Conference on
Intelligent Systems and Patterns Recognition

ISPR'2024



Istanbul, Turkey
26-28 June 2024

TECHNICAL PROGRAM

Wednesday 26th June 2024

08:00 – 08:45	Reception of the participants
08:45 – 09:00	Opening Ceremony
	Session A “Biss” : chairs : Pr, Walid MAHDI , Dr Bassem BOUAZIZ
09:00 – 09:30	Keynote 1: “Movment Analysis under controlled condition”, Pr. Walid MAHDI

09:30 -09:45	"Improving Imbalanced Data Classification in Bank Marketing Using Cluster PCA-based Weighted Random Forest", Dalia ATIF
09:45 -10:00	"Text Classification Experiments on Contextual Graphs Built by N-gram Series", Tarık Üveys Şen, Mehmet Can Yakıt, Mehmet Semih Gumus, Orhan Abar, Gokhan Bakal
10:00-10:15	"Adaboost optimized by sinh cosh algorithm for prediction of software defects", John Philipose Villoth, Tamara Zivkovic, Miodrag Zivkovic, Nebojsa Bacanin, Luka Jovanovic, SARAMMA VILLOTH
10:15-10:30	"Cross-Organ Investigation of Tumor Histological Features Similarities Using Transfer Learning: A Case Study on Breast and Colorectal Tumors", Menna Helmy, Somaya Al-maadeed
10:30-10:45	"DeepMatch: A BERT-Powered Talent Matchmaking Approach", Serkan KARAKUŞ, Ayse Mine Evren, Necip Gözüaçık, Atakan Topaloglu
10:45-11:00	"Behavior-Based Insider Threat Detection Using a Deep Neural Network", Samiha Besnaci, Mohamed Hafidi, Lamia Mahnane
11:00-11:15	"Enhancing Tomato Crop Health: Leveraging Modified InceptionResNetV2 for Disease Detection", Fida Zubair, Somaya Al-maadeed
11:15-11:30	"Navigating the Edge: A Comprehensive Comparison of Machine Learning Algorithms on Prominent Edge Platforms", Aya Sayed, Tamim Al-Hasan, Faycal Bensaali, Armstrong Nhlabatsi
11:30-11:45	"Prediction of Chronic Diseases using Parallel 1D-CNN Feature Extraction and SVM Classification based on SMOTE", Fatma Zohra Tassadit AIT MESBAH, M'hamed Abidine, Belkacem FERGANI
11:45-12:00	"Detecting Raspberry Ripeness Across Different Growth Stages Using YOLOv8", Tahani Alkhudaydi
12:00-12:15	"PMoET: Going Wider than Deeper using the Parallel Mixture-of-Experts Transformer for 3D Hand Gesture Recognition", AHED ALBOODY, Rim Slama
12:15-12:30	"Applying Machine Learning Approaches with Integrated Internet of Things for Water Management System", Meroua Belmir, Wafa Difallah, Abdelkader Ghazli
12:30-12:45	"Interpretable Ensemble Learning Model For Enabling An IDS To Detect DNS Attacks", Loreen Mahmoud, Sreedev Pillai, Sugata Gangopadhyay
12:45-13:00	"Artificial Intelligence-based on Automatic Detection of Diabetic Eye Diseases : A Systematic Review", Mandicou BA, AMADOU MBAYE, Idy DIOP, Alassane BAH

Session B "Bis" : chairs : Pr, Walid MAHDI , Dr Akram Bennour

14:00-14 :15	"Tunisian Sign Language Recognition and Translation Using Deep Learning", Marah El Askri, Hend Basly, Riadh Bchir, Mohamed Amine Zayene, Fatma Sayadi
14:15-14:30	"Unraveling the Complexity of Breast Cancer Histopathology: A Comprehensive Literature Review", Somaya Al-maadeed, Rozah Alkhater
14:30-14:45	"Image Encryption in Frequency Domain using Hybrid Chaotic Maps, Hashing, and Lifting Wavelet Transform", Fizza Batool, Nadeem Kureshi, Rashid Rafique Marie, Fawad Ahmed, Muhammad Shahbaz Khan, Mouad Lemoudden, William J Buchanan, Jawad Ahmad
14:45-15:00	"A Bone Fracture Detection Using CNN Model", Afsana Nadia
15:00-15:15	"An Improved Static Analysis Approach for Malware Detection by Optimizing Feature Extraction Combining Different ML Algorithms", Iliyan Barzev, Daniela Borissova
15:15-15:30	"Handcrafted and Deep features for Synthetic data generation in Offline Handwritten Signature Verification", Naouel ARAB, Hassiba Nemmour, Youcef CHIBANI, Mohamed Lamine BOUIBED, Mohamed Lamine BOUIBED
15:30-15:45	"Balancing Class Distribution in Microarray Analysis Using GenAI", Anurekha Gopinathan, S Amutha, K Nivethika
15:45-16:00	"Quantum inspired discrete elephant herding optimization for data mining", Hadjer MOULAI
16:00-16:15	"Detection and parameter estimation of an inflatable boat", Ivan Garvanov, Magdalena Garvanova, Georgi Tsonkov, Daniela Borissova
16:15-16:30	"LoRA Fine-Tuning for Large Language Models to Achieve Emotional Text Generation", Vadim Pavliukevich , Danil Tirskikh , Olesia Makhnytina, Dmitry Dyrmovskiy
16:30-16:45	"Self-Attention Siamese Network for Unsupervised Few-Shot Learning Tasks", Binit Bhattarai, Pratik Luitel, Nisanth Kartheek Mukku

27th June 2024

Session C "Bis" : chairs : Dr Bassem BOUAZIZ, pr. Faiz Gargouri

09:30 -09:45	"An RNN-LSTM Approach for Algerian Accent Identification", Kawthar Yasmine ZERGAT, Sid Ahmed SELOUANI and Abderrahmane AMROUCHE
09:45 -10:00	"Learning Different Separations in Branch and Cut:A Survey", Chaima Ayachi Amar, Khadra Bouanane
10:00-10:15	"Deep learning algorithms for colon cancer detection: A comparative study with traditional machine learning methods", Ilhem Nabti, zakaria kouari, Mohamed Abderraouf Ferradji, Asma Merabet
10:15-10:30	"Cancer Detection in Breast Imaging via Enhanced ResNet50 Deep Learning Architecture", Rozah Alkhater , Somaya Al-maadeed
10:30-10:45	"Enhancing Writer Retrieval in Handwritten Documents through Fusion of Deep Features and Multi-Oriented Histograms", Mohamed Lamine BOUIBED, Hassiba Nemmour, Naouel ARAB, Youcef CHIBANI
10:45-11:00	"A concept of postal tracking solution A review study", Tahar Mekhaznia, Rayan Bradji, Chaima Ounis, Boutaina Zerfaoui
11:00-11:15	"Ensemble Learning with Mixup Style for Ultrasound Image Classification", Abdalrahman Alblwi, Kenneth E. Barner
11:15-11:30	"Advancing Historical Document Script Classification with a Novel Approach", Merouane Boudraa
11:30-11:45	"X-Ray Insights: A Siamese with CNN and Spatial Attention Network For Innovative Person Identification", farah hazem

