

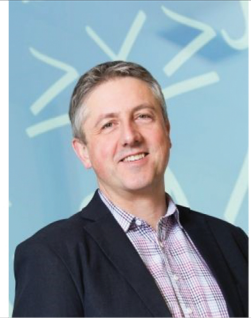
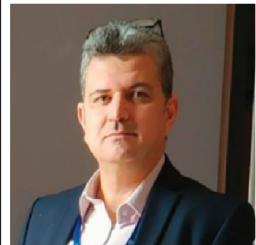


7th International Conference on New Trends in Information and Communications Technology Applications NTICT'23

Welcome to the 7th NTICT'2023 that is held in Baghdad, Iraq. NTICT'2023 is a specialized conference that aims to present the latest research related to new trends in information and communications technology applications to identify prospects and solutions for the development of these important sectors as well as to contribute to building an informatics society in the world. The conference is organized by the University of Information Technology and Communications (UoITC) in cooperation with Almustaqbal University and will be held regularly to make it an ideal platform for participants to share views and experience in information and communications technology.

Agenda Program

1st Day Wednesday, December 20, 2023

Baghdad Local Time (GMT+3)	Avenue: (UoITC Main Hall)	
	Conference Opening Ceremony	
09:00-10:00	<ul style="list-style-type: none">• Registration• Quran Recitation• The Iraqi National Anthem• Welcome Talk	
10:00-10:30	Keynote Speech: Big Data into Better Decision-Making Professor Wolfgang Birk, Luleå University of Technology, Sweden.	
10:30-11:00	Keynote Speech: Emergent Technology Professor Laith Al-Jobouri Abertay University, United Kingdom.	
11:00-11:40	Coffee Break	

Time	Session 1	Session 1
	Topics: <ul style="list-style-type: none"> Bioinformatics Evolutionary Algorithms Avenue: Main Conference Hall Session Chair: Asst. Prof. Intisar Al-Mejibli (PhD) Co-Chair: Jwan K. Alwan	Topics: <ul style="list-style-type: none"> Network Architectures Network Security Ad-hoc and sensor networks Avenue: Post Graduate Hall Session Chair: Asst. Prof. Ali Najdi (PhD) Co-Chair: Ghada Al-Kateb (PhD)
11:40 AM	ID 7# Nanoscale Communication Redefinedc: Exploring Bio-Inspired Molecular System Athraa Juhi Jani	ID 44# Performance Evaluation Comparison Between Central SDN network and DSDN Wed Kadhim Oleiwi
12:00 PM	ID 71# Predicting Covid-19 Protein Interactions through Sequence Alignment Ali K. Abdul Raheem	ID 52# The impact of mobility models on ad-hoc networks: A review Alyaa Safaa
12:20 PM	ID 88# Optimized Intelligent PID Controller for Propofol Dosing in General Anesthesia using Coati Optimization Algorithm Ammar T. Namel	ID 11# A Robust Image Cipher System Based on Cramer-Shoup Algorithm and 5-D Hyper Chaotic System Zainab khalid Ibrahim
12:40 PM	ID 35# Multi-Objective Residential Load Scheduling Approach Based Pelican Optimization Algorithm Hiba Haider Taha	ID 42# Variable-Length Key Generation Block Cipher Algorithm Based on DNA Tile Self-Assembly Basim Sahar Yaseen
1:00 PM	ID 56# Enhancing Data Security with a Novel Color Encryption Algorithm Based on 5D Chaotic System and Delta Features for Dynamic Initialization Hadeel Jabber	ID 80# Authentication System Based on Zero-Knowledge Proof Employing the Rabin Cryptosystem And A Secret Sharing Schema Sajjad Mohamed
1:20 PM	ID 104# Symptom Principal Component Analysis (SPCA) for Dimensionality Reduction in Categorical Data: A Case Study on Breast Cancer Fatema Shukur	ID 45# Enhancing the Performance of Wireless Body Area Network Routing Protocols Based on Collaboratively Evaluated Values Sabreen Waheed
1:40 PM	ID 46# Adaptive Evolutionary Algorithm for Maximizing Social Influence Huda N. AL-Mamory	ID 91# A New Approach to Design KM1 Encryption Algorithm for Alarm in IoT Muhammed Taha



Certificate Presentation

Lunch [2:00 PM - 3:00 PM]



Conference Program

2nd Day Thursday, December 21, 2023

Baghdad Local Time (GMT+3)	Avenue: (UoITC Main Hall)	
	Conference Opening Ceremony	
09:00-11:00	<ul style="list-style-type: none"> • Registration • Quran Kareem, • The Iraqi National Anthem • Welcome Speech 	
11:00-11:30	Keynote Speech: AI in Medicine Professor Reza Boostani, Shiraz University, Islamic Republic of Iran.	
11:30-12:00	Keynote Speech: AI and Data Mining Professor Haidar Samet, Shiraz University, Islamic Republic of Iran.	
12:00-12:20	Coffee Break	



Time	Session 1	Session 1
	Topics: <ul style="list-style-type: none"> Image Processing Computer Vision Avenue: Main Conference Hall Session Chair: Asst. Prof. Ahmed Sabah (PhD) Co-Chair: Asst. Prof. Itimad Raheem (PhD)	Topics: <ul style="list-style-type: none"> Machine learning Data Mining Avenue: Post Graduate Hall Session Chair: Asst. Prof. Rula A. Hamid (PhD) Co-Chair: Mohamed Ali (PhD)
12:20 PM	ID 18# Hybrid Edge Detection and Singular Value Decomposition for Image Background Removal Nidhal K. El Abbadi,	ID 96# Enhancing the Early Prediction of Learners' Performance in a Virtual Learning Environment (VLE) Safa Ridha
12:40 PM	ID 63# Face Identification System in Transform Domains over Secure Communication Channel Taif Alobaidi	ID 85# An Intelligent System for Monitoring Water Quality of Tigris River Using IOT and Machine Learning Techniques Mariam Abdul Jabbar Ali
1:00 PM	ID 77# Vehicle Logo Recognition Using Proposed Illumination Compensation and Six Local Moments Nada Najeel Kamal	ID 50# Automatic Identification of Ear Patterns based on Convolutional Neural Network (CNN) Saba Ayad Tuama
1:20 PM	ID 105# An improved method for retrieving fashion images based on parsing the image contents. Furqan Tahsin	ID 86# Crimes Tweet Detection based on CNN Hyperparameter Optimization Using Snake Optimizer Zainab khyoon Abdalrdha
1:40 PM	ID 58# Deepfake Detection Model Based on VGGFace with Head Pose Estimation Technique Duha A. Sultan	ID 100# YOLOv8-AS: Masked Face Detection and Tracking Based on YOLOv8 with Attention Mechanism Model Shahad fadhil abbas
2:00 PM	ID 61# Multi-models based on Yolov8 for Identification of Vehicle Type and License Plate Recognition. Mustafa Noaman Kadhim	ID 39# Incorporating Dilation Convolution into Mask Region Convolution Neural Network for Advanced Fruit Classification and Freshness Evaluation Rafah Adnan
2:20 PM	ID 78# Exploring Enhanced Recognition in Gesture Language Videos through Unsupervised Learning of Deep Autoencoder Anwar jaafer Mira	ID 94# Eye Movement Recognition: Exploring Trade-offs in Deep Learning Approaches with Development Ali Abdulhussein Masaoodi

Certificate Presentation

Conference Closing Plenary

Lunch [2:30 PM - 3:00 PM]