



REPUBLIC OF IRAQ
MINISTRY OF HIGHER EDUCATION AND SCIENTIFIC RESEARCH




First International Conference on
**Innovations in Information
Technology and Their Impacts
on Sustainable Development**

26th-27th April 2025



More Information:

 <https://iitesd.alnoor.edu.iq>

 6267

Conference Information



Name of the Conference

First International Conference on Innovations in Information Technology and Their Impacts on Sustainable Development



Date of the Conference

26th - 27th April 2025

29th March 2025 Notification of paper acceptance.



Location of the Conference

Iraq-Mosul – Alnoor university - Shalalt Road.



Publishing Opportunities

The distinguished papers will be published in an Indexed Scopus Journal.



Contact Information

<https://iitesd.alnoor.edu.iq/>
Papers Registration Scan QR Code.



Types of Researchers

The IITESD conference is a multidisciplinary event that brings together academics, industry professionals, and policy-makers to explore how technology can shape a sustainable future. Researchers working in computer science, engineering, environmental science, economics, and public policy will find this an ideal venue to present and discuss their work.



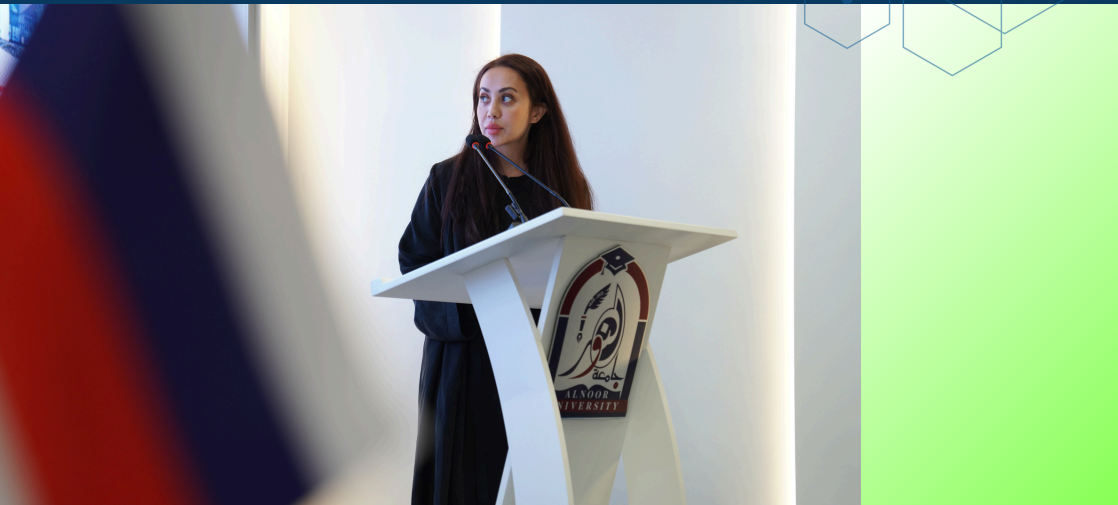
Al Noor University

A brief about the university

As the pioneering private university in Nineveh Governorate, Alnoor University has been shaping the future since 2013. Currently, it consists of ten colleges: Pharmacy, Dentistry, Health and Medical Technologies, Engineering, Law, Education, Arts, Applied Arts, Technical Engineering, and Technical Management. The university offers twenty-six scientific specialties and awards bachelor's degrees in both morning and evening undergraduate programs. It also has teaching clinics for Dentistry, several research centers, and units. Alnoor University strives to achieve the goals of higher education by preparing students to become professionals who can contribute to the workforce, administration, and production sectors. Additionally, it supports scientific research by encouraging its academic community to publish research in Scopus-indexed journals and organizes global conferences and seminars in partnership with prestigious universities. The university also serves the community through various initiatives, fostering strong connections with societal life. Alnoor University is in the process of transitioning to the digital world, while also prioritizing the promotion and adoption of a clean environment culture.

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OR PRESS  FOR PDF VERSION





Vision & Mission

Our Vision

To be a leading global platform that fosters innovation and interdisciplinary collaboration in information technology and sustainable development, driving impactful research and real-world solutions that contribute to a digitally-driven, sustainable future.

Our Mission

The conference aims to advance scientific research and technological innovation in information technology to support sustainable development goals (SDGs). By bringing together academics, industry experts, and policymakers, it fosters interdisciplinary collaboration to develop practical, policy-driven, and market-ready solutions. The event highlights success stories, promotes digital transformation, and empowers future generations to drive sustainability through cutting-edge AI, big data, cybersecurity, and cloud computing innovations.

Keynote Speakers



Prof. Dr. Amin Abbosh

Professor, Leader of UQ EM Innovations, Electrical Engineering & Computer Science, The University of Queensland, Australia.



Prof. Dr. Akram M Zeki

Faculty of Information and Communication Technology, International Islamic University Malaysia, Kuala Lumpur, Malaysia.



Prof. Dr. Eng. Abdulnasir Hossen

Abdulnasir Hossen got his Ph.D. from the Ruhr-University in Bochum-Germany, Sultan Qaboos University - Oman



Asst. Prof. Dr. Belal F. Yousif

Associate Professor, Engineering Program Director, School of Engineering, University of Southern Queensland, Toowoomba, QLD.

Conference Objectives

→ First

Fostering Multidisciplinary Collaboration – Bring together researchers, inventors, industry professionals, and policymakers from various fields, including computer science, engineering, economics, and public policy, to exchange knowledge and develop innovative solutions.

→ Second

Developing Practical and Applicable Solutions – Focus on creating real-world applications of IT in addressing societal challenges, particularly those related to climate change, resource management, and economic sustainability.

→ Third

Encouraging Innovation in Information Technology – Support advancements in Artificial Intelligence, Cybersecurity, Big Data, Software Engineering, and Cloud Computing that contribute to sustainable development.

→ Forth

Bridging the Gap Between Disciplines – Encourage cross-disciplinary collaboration by connecting researchers in IT, engineering, economics, and decision-making sectors to find comprehensive and impactful solutions.

→ Fifth

Enhancing Digital Transformation – Support the transition towards a digital world by integrating smart technologies in various sectors while ensuring environmental sustainability.



Conference Themes

→ Artificial Intelligence and Machine Learning

→ Cybersecurity and Privacy

→ Big Data and Data Science

→ Software Engineering and Development

→ Cloud Computing and Distributed Systems



Publishing Opportunities

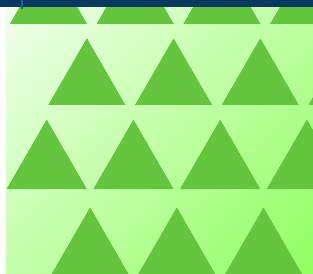
The Nexus of Sustainability and Energy Technology Journal

The research papers will be published in a special issue of the The Nexus of Sustainability and Energy Technology Journal <https://tnosaetj.alnoor.edu.iq/>

The distinguished papers will be published in an Indexed Scopus Journal



Opening Session



Opening Ceremony: 26th April 2025 at Alnoor University
Started 09:30 AM – To 10:30 AM Baghdad Time

01

Iraqi National Anthem & A Moment of Silent for the souls of Martyrs
09:30 AM

02

A Speech by the President of Al-Noor University
Prof. Dr. Yassen Taha Al-Hajjar
09:40 AM

03

A Speech by the Ministerial Delegates and the Guest of the Conference
09:50 AM

04

A Speech by the President of Nineveh University
10:00 AM

05

Video of Al-Noor University and Video of Nineveh University
10:15 AM

Conference Agenda

#	KEYNOTE SPEAKER	TIME
1	Prof. Dr. Amin Abbosh	10:15 – 11:00
Coffee Break		11:00 – 11:30
2	Prof. Dr. Akram M Zeki	11:30 – 12:15
Lunch Time		12:30 – 13:30

Session one: 26th April 2025
Started 1330 PM – To 15:30 PM Baghdad Time / Hall No.: D1- Lab Building – First floor
Session Chair: Prof. Dr. Mazin R Khalil
Session Coordinator: Dr. Wissam Hazim Jwad

Track: Artificial Intelligence and Machine Learning

#	AUTHORS	TITLE OF THE RESEARCH
1	Subhi H. Hamdoon Dr. Mohammed Hameed Ahmed Dohaa Mohammed Badr Al-Deen Saud	Challenges and Risks of Artificial Intelligence Applications in the Qur'an and the Prophetic Sunnah
2	Mazin R. Khalil E A Hasso Qusay H Ali	Convolutional layer for FPGAs Based Object Recognition Systems
3	Hanan Salih Raheed Fadi Shahad Abdulbari Ali Mohsin Ahmed Al-Sabaawi	Classification of News Articles Using NLP Techniques and Machine Learning Algorithms: Comparative Study
4	Dr.Balqees Talal Hasan Abdulrahman M. Hadi Dr.Azhar S abdulaziz	Real-Time Human Activity Recognition on Smartphones Using Machine
5	Mohammad Zaed Farhan Sahar L. Qaddoori Ahmed M A Sabaaw	Assessing the Efficacy of Machine Learning Techniques in the Design of Microwave Filters for Advanced Communication Systems
6	Muneera Yousif,Asmaa E.Hamdoon, Maryam Abdulsattar Mohammed Khudhur and others	Random Forest Algorithm for Satellite Image Classification Using Google Earth Engine: Iraq Case Study
7	Ali Othman Al Janaby Mahmood Fawzi alfathee Abdul Majeed Ahmed Maryam Qusai Abdulqadir Sama Salah, Hoor Abdul Satar Maryam Adnan, Hajer Khalid Summar	Designing a LoRa-WAN Network for Fuel Transport Management in Smart Cities

Session Two: 26th April 2025

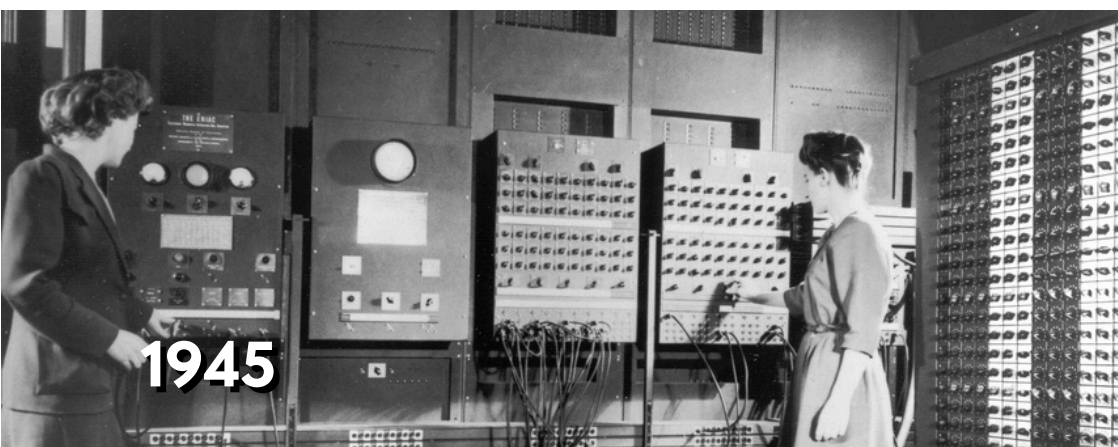
Started 13:30 PM – To 15:30 PM Baghdad Time / Hall No.: D2- Lab Building- first floor

Session Chair: Prof. Dr. Mannar Kashmolla


Session Coordinator: Asst. Prof. Ali Othman

Track: Artificial Intelligence and Machine Learning

#	AUTHORS	TITLE OF THE RESEARCH
1	Abdulrahman Al- Tanakchi	Algorithm to Analyze the Heart Sound to Diagnose Heart Diseases
2	Abdalem A. Rasheed Yahya T. Qassim	Verification of Speech Signal Using DWT and MFCC Features
3	Muhammed Khazal Rashad Muhammed Mishaal Sultan	The impact of some generative artificial intelligence tools via search engines on the development of cognitive awareness: An analytical study of the opinions of a sample of employees of Al-Hamdaniya University and Ninevah University in Mosul city
4	Shaymaa Ammar Ali Othman Al Janaby Hussain al Rizzo Manar Kashmula	ISAC Employing Artificial Intelligence and the Deployment of 6G Networks for Drone Detection at Multiple Altitudes
5	Akram A. Abdulrahman Ali Ibrahim Ahmed Kifaa Hadi Thanoon Ibrahim Ahmed Saleh Omar Ibrahim Alsa	Diseases of Vegetable Plant Recognition Based on Enhanced Squeeze Net Algorithm
6	Hassan Wael Hazem Abdullah Ghazi Aboud Dr. Azhar Sabah Abdulaziz	Smart and Cooperative Waste Management System in Smart Cities using QR Code
7	Zainab Saadi Hussein Al-hilali	Develop, Analyze and Improve the Scheduling of The University Management System (Learning Management System)





#	KEYNOTE SPEAKER	TIME	ONLINE LINK
1	Prof. Dr. Eng. Abdulnasir Hossen	09:30 - 10:15	
2	Asst. Prof. Dr. Belal F. Yousif (Online)	10:15 - 11:00	
Coffee Break		11:00 - 11:30	

Session Three: 27th April 2025

Started 11:30 AM – To 13:30 PM Baghdad Time / Hall No.: D1-Lab Building-First floor

Session Chair: Prof. Dr. Dr. Khalil I. Al-Saif

Session Coordinator: Dr. Yahya Taher Qassim

Track: Cybersecurity and Privacy

#	AUTHORS	TITLE OF THE RESEARCH
1	Mohammed Yaseen Alhayani Osama A. Qasim	Enhancing Image Security with Hybrid, Symmetric, and Asymmetric Encryption: A Comparative Study for Sustainable Cybersecurity Solutions
2	Mohammed Yaseen Alhayani Osama A. Qasim Zainab Bashar younis Omaima Muyaser Jameel	Performance Analysis of Hybrid Cryptography and Steganography for Sustainable Cybersecurity and Data Protection
3	Ali M. Ahmed Al-Sabaawi Obaida Ismail Ibrahim Zainab Ammar Subhi	Integrating Exploiting Modification Direct and Improved LSB Methods in Data Hiding Approach
4	Zaid J. Al-Araji Fahad Ahmed Shaban Hussein M. Farhood Najwa N. Hazem Al-Sheikh Zaid Ali Abdulkadhim Ahmed A. Idris Ahmed Hayali Sharifah Sakinah Syed Ahmad	Simplify Attack Graph Using Critical Path Preserving Graph Reduction
5	Karam Muhammed Mahdi Salih Shahba Ibrahim Khalil Ali Othman Mohammed Lubna Thanoon Alkahla Abdulmajeed Sulaiman	Network Intrusion detection and classification Based on-Hybrid intelligence techniques: new method
6	Manal S. Siddiq and Sedki Younis	Performance Investigation of Physical Layer Authentication Using Federated Learning in the Presence of Malicious Collaborator
LUNCH TIME		13:30 - 14:30
CLOSING SESSION		14:30 - 15:30

Session Four: 27th April 2025

Started 11:30 AM – To 13:30 PM Baghdad Time / Hall No.: D2- Lab Building-First floor

Session Chair: Dr. Salama A. Mostafa

Session Coordinator: Mr. Ahmed Jamal Mohammed

Track: Big Data and Data Science

#	AUTHORS	TITLE OF THE RESEARCH
1	Zahraa Turki Hassan Ali Jafar Ramadhan Mohammed	Synthesizing Wide Beam Patterns for Low Earth Orbit Satellite Communication Systems for Global Internet Access Applications
2	Ali H. Al-Shakarchi Huthaifa L. Mohamed Yousif Khalid Yousif Salama A Mostafa Ali Khairi Altoohafi Abdulamjeed Sulaiman	Machine Learning Approach for Malware Detection in Software-Defined Networks
3	Noor S. Asaad Yahya T. Qassim	Reducing Mutual Coupling in THz Band MIMO Antennas for 6G Applications
4	Aemen Qais A. Al-Yozbakee Qais Th. Algwari	The Effect of HfO2 Buried Layer Thickness on the Electrical Performance of 20 nm nMOSFET
5	Salama A. Mostafa	IoT-Enabled Automated Plant Watering System Based on Real-Time Soil Moisture Monitoring
6	Zainab Saadi Hussein AL-hilali, Muhamad H.Omar AL-Saidaly Khaled A.Khaled AL-bakooh Momen F.Fouad AL-taiee	Software of automatic search for an anonymous person in the voice database
LUNCH TIME		13:30 – 14:30
COLSING SESSION		14:30 – 15:30





Session Five: 27th April 2025

Started 11:30 AM – To 13:30 PM Baghdad Time / Hall No.: D3-Lab Building- First floor

Session Chair: Prof. Dr. Ahmad Al-Hadidy

Session Coordinator: Dr. Maan Abd Al-Ruhman

Track: Big Data and Data Science

#	AUTHORS	TITLE OF THE RESEARCH
1	Fahad Ahmed Shaban Zaid J. Al-Araji Ahmed Hayali Mohammed Mahmood Salih	Internet of Things Performance using Raspberry Pi for Body Temperature and ECG with GPS
2	Rahmah J. Abdulkareem Younis MABBOSH Dia M. Ali	Synthetic Microwave Inversion Techniques for Medical Imaging
3	Dr. Ahmed Saeed Rasheed	The Level of Awareness of Modern Information Technology and Its Relationship to the Improvement of Sports Performance Among University Futsal Team Players in Iraq
4	Prof Dr Hikmat Said Alsalm	Bridging Geology and Petrophysics for Smarter Reservoirs
5	Dr. Adel Mohammed Abdullah Mohammed Mishaal Sultan	The Impact of Information Technology Governance on the Quality of Human Resources Management Information: A Survey Study of the Opinions of Human Resources Department Employees at the University of Ninevah
6	Enas Abdulkarim Mohammed Younis M. Abbosh Dia M. Ali	CHANNEL ESTIMATION IN 5G AND BEYOND BASED ON DEEP LEARNING
LUNCH TIME		13:30 - 14:30
CLOSING SESSION		14:30 - 15:30

Attachments

1

Abstract List

Scan QR Code



Attachments

2

Website Link

Scan QR Code



Attachments

3

Conference Committees

Scan QR Code



Partners





INNOVATIONS IN INFORMATION TECHNOLOGY AND THEIR IMPACTS ON SUSTAINABLE DEVELOPMENT

CONTACT US



Website

<https://iitesd.alnoor.edu.iq>



Phone

6267



E-mail

iitesd@alnoor.edu.iq



HQ address

Iraq - Nineveh - Mosul city - Shalalt Road