

# 9<sup>th</sup> International Engineering Conference (IEC-2023)

Erbil, Kurdistan Region-Iraq, February 15-16, 2023



## PROGRAM FLOW

DAY – I (February 15, 2023)

Erbil International Hotel

Period	Presenter:		
08:30 – 10:00	Conference Registration		
10:00 – 11:15	Opening Ceremony (Hawler Hall) ( <a href="#">Live</a> )		
11:15 – 11:35	Tea Break (Ground Floor)		
	(Hawler Hall) Ground Floor		
	Chair: Prof. Dr. Hamed Jassim		
11:40 – 12:15	<b>Keynote Speaker: Prof. Dr. Raad Azzawi</b> <b>Speech title: Green Construction and Sustainability using modified Expanded Polystyrene (EPS) insulation (<a href="#">Live</a>)</b>		
12:20 – 12:55	<b>Keynote Speaker: Dr. Rafah Rasheed Abdulmajeed (IEEE Representative)</b> <b>Speech title: Pervious concrete pavement (<a href="#">Live</a>)</b>		
13:00 – 14:00	Lunch Break (Hotel Restaurant)		
14:00 – 14:20	PARALLEL SESSIONS		
	Computer Engineering & IT Track	General Engineering & Applications Track	Civil Engineering Track
	SESSION-I (Hawler Hall) Ground Floor	SESSION-II (Qandil Hall) First Floor	SESSION-III (Safin Hall) Ground Floor
	Chair: Dr. Taha Basheer	Chair: Dr. Shahab Kareem	Chair: Ass. Prof. Dr. Thamir Ahmed
	<b>Authors:</b> Farhad S Dizayee, Zain N Ismael, Bahzad H Husein and Samir T Bilal  <b>Title:</b> Exploring the Impact of Data Mining Techniques in Healthcare and Medical Data:	<b>Authors:</b> Reben Kurda and Kurdistan Jaf (Erbil Polytechnic University, Iraq)  <b>Title:</b> Energy Saving LEACH Protocol for Wireless Sensor Network	<b>Authors:</b> Ahmed Aulla Manguri, Najmadeen Mohammed Saeed, Farzin Kazemi, Neda Asgarkhani and Robert Jankowski  <b>Title:</b> The Effect of Minimum Actuation Limit in Shape Control of a Single-Layer Dome Frame
13:20– 14:40	<b>Authors:</b> Jihad Anwar Qadir, Shayan Ihsan Jalal, Samer Kais Jameel, and Abdulbasit Al-Talaban  <b>Title:</b> An Efficient TimeConsuming Face Detection in Video	<b>Authors:</b> Umed H. Jader, Mohammed Mahmood Delzy, Subhi R. M. Zeebaree, Rizgar R. Zebari, Zryan Najat Rashid, Teba Mohammed Ghazi Sami  <b>Title:</b> Learning Management System (LMS) Performance Analysis and Evaluation for Some Kurdistan Region Universities	<b>Authors:</b> Motasem Y.D. Alazaiza  <b>Title:</b> Experimental investigation of DNAPL removal using air sparging through Image Analysis.

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<b>14:40 – 15:00</b>	<b>Authors:</b> Kamaran Manguri <b>Title:</b> Automated New License Plate Recognition in Kurdistan Region of Iraq	<b>Authors:</b> Zainab Shakir Radeef <b>Title:</b> A Dual-Coupled Cantilever-Swinging Piezoelectric Energy Harvesting Model	<b>Authors:</b> Abdulhaleem Ali Hammad and Sadeq Oliwi Suliman <b>Title:</b> Evaluation of the Formulas of Bed Load Transport Rate of the Euphrates River
<b>15:00 – 15:20</b>	<b>Authors:</b> Bestoon Taha, Sardar Yaba and Asaad Hamid Ismail <b>Title:</b> Impacts of Static Magnetic Fields Exposure on Erythrocytes Counts and Indices: I	<b>Authors:</b> Ibtisam Kamal, Waleed Najdat, Usama Omer, Wedad Mohammed <b>Title:</b> The Role of a Green Additive on Rheological Properties of Some Oil Industry	<b>Authors:</b> Zhe Yin, Carlos Caldas, Daniel de Oliveira, Raad Azzawi <b>Title:</b> Cross-Functional Collaboration and Project Capital Efficiency: Mediating Role of Strategic Alignment
<b>15:20– 15:40</b>	<b>Authors:</b> Trifa Sherko Othman and Saman Abdullah, mamyahia. <b>Title:</b> Machine Learning Techniques Evaluation with SMOT on IoT-23 Dataset	<b>Authors:</b> Reben Kurda, Sara Muhamad and Kurdistan Jaf <b>Title:</b> Energy-Consumption by Network Layer Attacks Against Wireless Sensor Network	<b>Authors:</b> Ahmed Salah Salah, Hala Zubaidi, Khalid Anas Khalid and Ali H. Hassan and Najmadeen Mohammed Saeed <b>Title:</b> Effect of pumice powder and silica fume on flowability and compressive strength of slag-based geopolymer.
<b>15:40 – 16:00</b>	<b>Authors:</b> Shahab Kareem, Firas Husham actionAlmukhtar, Ari Taha Guron and Hasanin Mohammed Salman <b>Title:</b> Medical Image Categorization Combining Image Segmentation and Machine Learning	<b>Authors:</b> Shayma Hamza Sadon, Akram Hamoodi Maha Raoof Hamoudi <b>Title:</b> Implementation of Pressure Maintenance for a Reservoir in KH Oil Field	<b>Authors:</b> Mohammed H Rajab, Zeki Hasgur and Akram S. Mahmoud <b>Title:</b> Dynamic Response of Multistory Reinforced Concrete Buildings Having different types of isolators: A Parametric Study.
<b>16:00 – 16:20</b>	<b>Authors:</b> Ibrahim Abdulkhaleq and Shahab Kareem <b>Title:</b> A Deep Learning Approach and Recurrent Neural Network Towards Clickbait Detection	<b>Authors:</b> Ola A. Neamah, Shatha A. Salman <b>Title:</b> Generating Function of Chromatic Polynomials and Their Properties	<b>Authors:</b> Bassam W. Bdaiwi, Zeki Hasgur, and Akram S. Mahmoud <b>Title:</b> Numerical Investigations of Effective Parameters on Multi-Story Building Having inclined supporting foundations
<b>End of the first day</b>			

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DAY – II (February 16, 2023)

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Period	Event		
08:30 – 09:30	Conference Registrations (Ground Floor)		
09:30 – 10:05	(Arbaello Hall) First Floor Chair: Prof. Dr. Hamed Jassim		
	Keynote Speaker: Dr. Qahhar Muhammad Qadir Speech title: Low power wide area networks; promising technologies for IoT applications ( <a href="#">Live</a> )		
10:10 – 10:45	Keynote Speaker: Dr. Hakem Beitollahi Speech title: Two Partially Reconfigurable Architectures for Efficient Implementation of Convolutional Neural Networks (CNNs) ( <a href="#">Live</a> )		
10:50 – 11:10	Tea Break First Floor		
11:10 – 11:30	PARALLEL SESSIONS		
	Computer Engineering & IT Track	Civil Engineering Track	Computer and Civil Engineering Track ( <a href="#">Online</a> )
	Session I (Qandil Hall) Ground Floor	Session II (Safin Hall) First Floor	Session III (Arbaello Hall) Ground Floor
	Chair: Dr. Sara Raoof	Chair: Ass. Prof. Dr. Basil Younus	Chair: Dr. Aras Jalyzada Dr. Bestoon Taha
	<b>Authors:</b> Ahmad Althunibat and Awf Alhalaybeh <b>Title:</b> Adopting Metaverse in eLearning: Challenges & Opportunities	<b>Authors:</b> Raad Azzawi <b>Title:</b> Experimental Study Of Hollow Eps Blocks Incorporation On Concrete Bearing Walls Under Axial Loading.	<b>Authors:</b> Dr. Ghazi Bahroz Jumaa <b>Title:</b> Fresh and Mechanical Properties of concrete with replaced coarse aggregate by Electrical-waste ( <a href="#">Online</a> )
	<b>Authors:</b> Rian Yahya and Mafaz Alanezi <b>Title:</b> A Review of Different Content-Based Phishing Email Detection Methods ( <a href="#">Online</a> )	<b>Authors:</b> Shna Abdulkarim, and Najmadeen Mohammed Saeed <b>Title:</b> Nonlinear Prestress of Space Cable Net Structure	<b>Authors:</b> Farzin Kazemi, Neda Asgarkhani, Ahmed Aulla Manguri, and Robert Jankowski <b>Title:</b> Seismic Performance Assessment of Steel Structures Considering Soil Effects ( <a href="#">Online</a> )
11:50 – 12:10	<b>Authors:</b> Nashma Taha Muhammed, Zryan Rashid, Subhi Rafeeq, Yousif Sufyan Jghef, Rowaida Ibrahim and Teba M.G. Sami <b>Title:</b> Design and Analysis of Proposed Smartphone Based Distributed Parallel Processing ( <a href="#">Online</a> )	<b>Authors:</b> Salem Mokhtar Tarhuni <b>Title:</b> Vertical Accessibility for Wheelchair Users at Historic Buildings	<b>Authors:</b> Neda Asgarkhani, Farzin Kazemi, Ahmed Aulla Manguri and Robert Jankowski <b>Title:</b> Reducing the Seismic Failure Potential of Reinforced Concrete Frames ( <a href="#">Online</a> )

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12:10 – 12:30	<b>Authors:</b> Ismail Taha Ahmed and Baraa Hammad <b>Title:</b> Effective Digital Image Watermark Detection Technique Based on Tamura Texture ( <a href="#">Online</a> )	<b>Authors:</b> Shna Abdulkarim and Najmadeen Mohammed Saeed <b>Title:</b> Statical Nonlinear Analysis of Spherical Assemblies Utilizing Pade Approximation	<b>Authors:</b> Abbas Al-shimmery, Amina K. Hussain and Nagham A. Hameed <b>Title:</b> 6th Order Runge-Kutta method based on the method of line for solving time-partial differential equations ( <a href="#">Online</a> )
12:30 – 13:30	<b>Lunch Break (Hotel Restaurant)</b>		
13:30 – 13:50	<b>Authors:</b> Jasim Ibrahim, Mohammed Shweesh Ahmed, Qasim Mohammed Hussein and Asmaa Salih Hammoodi <b>Title:</b> Vulnerability While Tracking COVID-19 Infection via Bluetooth	<b>Authors:</b> Thamir Mohammed Ahmed and Sheeraz M. Ameen <b>Title:</b> Parametric Study of Geometrical and hydraulically Effects on Frictional and Shear Resistance in Earth Dam By Using Finite Element Software	<b>Authors:</b> Thamer Nouri Oklah, Alaa M.F. Jumail <b>Title:</b> Coupled Common and Coincidence Fixed Point Results in Complete and Regular Partially Ordered D*-Metric Spaces ( <a href="#">Online</a> )
13:50 – 14:10	<b>Authors:</b> Shamal Fatah Ahmed <b>Title:</b> Impact of Crowded Sky on GNSS Positioning	<b>Authors:</b> Mohammed Qader Ali and Ganjeena Jalal Khoshnaw <b>Title:</b> Laboratory Evaluation of PE, PP, and SBS Polymers as Bitumen Modifiers	<b>Authors:</b> Sofia Angela C Arcala, Innah Gabrielle G Aldaya and Ruzel Marc S Aurelia; Geoffrey L Cueto <b>Title:</b> Sustainability of the Pasig River Ferry Service (PRFS) as a Mode of Transport ( <a href="#">Online</a> )
14:10 – 14:30	<b>Authors:</b> Althea T. Manguiat, Louise Danielle B. Panghulan and Charlie N. Samonteza <b>Title:</b> Determination of the Labor Productivity Rates for New Materials	<b>Authors:</b> Shaemee Clariece P Cabatic, Danielle Ann G. Miguel and Giselle R. Sanchez <b>Title:</b> Congestion Mitigation: Traffic Impact on Toll Operation Management System Between RFID and Cash Lane along NLEX Toll Plazas	<b>Authors:</b> Marc Erick S Gaerlan <b>Title:</b> Impact and Efficiency Analysis of Bicycle Lanes Implementation in Manila City ( <a href="#">Online</a> )
15:00 – 15:30	<b>Closing Ceremony (Arbaello Hall) First Floor</b> <b>End of the second day</b>		

Erbil International Hotel

<https://maps.google.com/maps?q=36.180606842041016%2C44.01067352294922&z=17&hl=en>

Hawler Hall (Opining Ceremony) - Meeting ID: 861 1482 4453 - Passcode: 2023

<https://us02web.zoom.us/j/86114824453?pwd=c2xKblJFRHp6RzBmRmcxcHliVVNQQT09>

Arbaello Hall Zoom Link - Meeting ID: 843 3140 0907 - Passcode: 2023

<https://us02web.zoom.us/j/84331400907?pwd=T1ZwbUlHSm1hLzlraFFpMDJIQTcwQT09>

Qandil Hall Zoom Link - Meeting ID: 881 5047 8947 - Passcode: 2023

<https://us02web.zoom.us/j/88150478947?pwd=MnhzbEpBLzZaS3h1RjNrSjI5YjhpUT09>

