





4th INTERNATIONAL CONFERENCE ON RECENT INNOVATIONS IN ENGINEERING (ICRIE 2023)

Jointly Organized by The College of Engineering, University of Duhok (UoD), and the School of Science and Engineering, The University of Kurdistan Hewlêr (UKH)

13-14 Sep. 2023 University of Duhok, Conference Hall, at 10:00 am

Conference Agenda

SPONSORS















University of KURDISTAN Hewler



Associate Prof. Dr. Dawood Atrushi Conference Honorary Chair, UOD



Prof. Dr. Dana Khider MawloodConference Honorary Chair, UKH



Prof. Dr. James Hassado HaidoConference Chair, UOD



Prof. Dr. Tarik A. Rashid Conference Chair, UKH



Asst. Prof. Dr. Farsat Heeto Abdulrahman Conference Co-Chairman



Prof Dr. Mahmood Ahmed Bakr Khayyat
Conference Co-Chairman

Keynote Speakers



Assistant Prof. Dr. Yaman Al-Kamaki *Head of ICRIE 2023 Organizing Committee*



Prof. Dr. Adil Al-Mayah (University of Waterloo, Canada)



Prof. Dr. Pedro Azara Nicolás (ETSAB - UPC Universitat Politècnica de Catalunya, Barcelona (Spain))



Prof. Dr. Saad Ali Al-Taan (Alnoor University College, Iraq)



Assistant Prof. Dr. Amin Salih Mohammed Kakshar (University of Lebanese French,





First Day (13 September 2023) Opening Ceremony & Conference Agenda

8:30 am Registration

9:30 am Coffee Break

10:00 am (The Opening & Welcome Ceremony & Anthems)

10:05 am, University of Duhok Speech, Associate Prof. Dr. Dawood Atrushi, UoD President

10:10 am, University of Kurdistan Hewler Speech, Prof. Dr. Dana Khider Mawlood, UKH Vice President

10:15 am, Conference Chairman Speech, Prof. Dr. James H. Haido, Dean of Engineering College

10:45 am, Keynote Speakers

Prof. Dr. Adil Al-Mayah (University of Waterloo, Canada)

Presentation Title "Imaging-mechanics integration (Cover Image Application in Biomechanics/medical and General Materials Investigation)

Prof. Pedro Azara Nicolás (ETSAB - UPC Universitat Politècnica de Catalunya, Barcelona (Spain))
Presentation Title "Why Do We Preserve Ruins? The Poetics of Ruins"

Prof. Dr. Saad Ali Al-Taan (Alnoor University College, Iraq))

Presentation Title "ACI Code 318-19 Requirements for Earthquake Resistant Concrete Structures"

Assistant Prof. Dr. Amin Salih Mohammed Kakshar (University of Lebanese French, Kurdistan Region, Iraq)
Presentation Title "Controlling Data Transmission in Wireless Networks: Methods and Tools"

1:00 pm Lunch Break





Track: Architectural Engineering

- Architecture Engineering
- Municipal or Urban Engineering





Seminars Time Table 13 / 9 / 2023 On Campus

(The <u>Chairman</u> asks the presenter to introduce himself / herself in (Name, Scientific degree, Work field & Affiliation)

Room Number: VIP - Conference Hall (30 seats)

No. of Session:	Session 1	Name of Session:	Architecture Engineering
Name of Chairman:	Professor Dr. Mahmood A. Bakr Khayyat	Date: 13 / 9 /2023	Time Period: 2:30 – 3:45 PM

Time	Paper ID	Author(s)	Title	Presenter
2:30 – 2:45	#34 1570918936	Ahmed Khairadeen Ali (University of Duhok, Iraq)	Digital Twin Framework for Real-Time Monitoring of Robot-Arm in Construction Site	Ahmed Khairadeen Ali
2:45 – 3:00	#33 1570918931	Ahmed Khairadeen Ali and Awar Naaman Saleem (University of Duhok, Iraq); Haneen Hashim Mohammed Ali (University of Mosul, Iraq)	iPARK: A Participatory Design Tool Of Neighborhood Parks Using Visual Programming Language	Awar Naaman Saleem & Haneen Hashim Mohammed Ali
3:00 - 3:15	#157 1570931019	Layla M Raswol and Jowan Bayez Khorsheed (University of Duhok, Iraq)	The Spatial Configuration of Traditional Urban Core, Zakho as a Case Study	Layla M Raswol
3:15 – 3:30	#156 1570931017	Jowan Bayez Khorsheed (University of Duhok, Iraq); Ali Haider Al-Jameel (Nawruz University, Iraq)	Volumetricity Urbanism: It's Relevance for Duhok City	Jowan Bayez Khorsheed
3:30 - 3:45	#67	Turki Hasan Ali and Ali Haider Saad Ali	Simulation for Pedestrians' Thermal Comfort in Commercial Streets in Mosul-Iraq	Turki Hasan Ali





Seminars Time Table 13 / 9 / 2023 On Campus

(The <u>Chairman</u> asks the presenter to introduce himself / herself in (Name, Scientific degree, Work field & Affiliation)

Room Number: VIP - Conference Hall (30 seats)

No. of Session:	Session 2	Name of Session:	Architecture Engineering
Name of Chairman:	Professor Dr. Ali Heider Saad	Date: 13 / 9 /2023	Time Period: 3:45 – 5:15 PM

Time	Paper ID	Author(s)	Title	Presenter
3:45 – 4:00	#171 1570931844	Hanan Mihi Hussein (University of Duhok, Iraq); Ali Haider Al-Jameel (Nawruz University, Iraq)	Localizing the Urban Transect Theory as a Regulating Tool for the Urban Design of Duhok City to Enhance Sustainability	Hanan Mihi Hussein
4:00 – 4:15	#169 1570931837	Aya Shukri Mohammed, Zhiman Khairi Ismael and Kadhim Fathel Khalil	The Effect of Intertextuality on the Semantic Level of Architectural Form	Aya Shukri Mohammed
4:15 - 4:30	#206 1570932730	Hameeda I Muslat and Prof Dr Mahmood Khayat (UKH)	The Role of the Rules of Composition in Enhancing Architectural Visual Literacy (Rate of Architectural Visual Literacy in Erbil)	Hameeda I Muslat
4:30 - 4:45	#66 1570925331	Armange Ismael Barakat (University of Duhok, Iraq)	The Role of Nostalgia in Memorial Architecture Formation Barzani National Memorial in KRG as a Case Study	Armange Ismael Barakat
4:45 - 5:00	#91 1570928422	Lawand Kamal Othman and Ahmed Mohammad Ahmed (University of Duhok, Iraq)	The Khabur River as the Backbone of Urban Mental Image: Examining Spatial and Social Visibility in Zakho City	Lawand Kamal Othman
5:00 - 5:15	#90 1570928302	Haider Majid Hasan (University of Wasit, Iraq)	The Potential Role of Housing Unit Diversity in Gated Communities in Social Cohesion	Haider Majid Hasan





Track: Biomedical Engineering

• Biomedical Engineering





Seminars Time Table 13 / 9 / 2023 On Campus

(The <u>Chairman</u> asks the presenter to introduce himself/herself in (Name, Scientific degree, Work field & Affiliation)

Room Number: - Video Conference Room (20 seats)

No. of Session:	Session 1	Name of Session:	Biomedical Engineering
Name of Chairman:	Assistant Prof. Dr. Yasser Ahmed Fadhel	Date: 13 / 9 /2023	Time Period: 2:30 – 3:45 PM

Time	Paper ID	Author(s)	Title	Presenter
2:30 – 2:45	#53 1570923111	Thomas Schanze (Technische Hochschule Mittelhessen THM, Germany)	Tensor Decomposition-Based Compression and Noise Reduction of Multichannel ECG Signals	Thomas Schanze
2:45 – 3:00	#15 1570906853	Omar S. Kareem (Duhok Polytechnic University, Iraq); Ahmed Al-Sulaifanie (University of Duhok, Iraq)	Automated Detection of Lung Diseases (COVID- 19) Based on X-Ray Images Using a Deep Learning Approach	Omar Sedqi Kareem
3:15 - 3:30	#77 1570927671	Imad A. Dawod, Thomas Schanze and Salih Mustafa Salim	Moving Dipole Localization Using Linear Least Square Estimation	Imad Abdulkareem Dawod
3:00 - 3:15	#60 1570924109	Fars Samann (Technische Hochschule Mittelhessen THM, Germany & University of Duhok, Iraq); Thomas Schanze (Technische Hochschule Mittelhessen THM, Germany)	Resembling the Morphologies of ECG Signals Using Regularized Denoising Autoencoder	Thomas Schanze
3:30 – 3:45	#159 1570931207	Maha Ali Kareem (Univversity of Al-Qadisiyah & Chemicals, Iraq); Abbas Khalaf Mohammed (University of Al-Qadisiy, Iraq)	Using of Natural Nano Powder as Alternatives in Dentistry	Maha Ali Kareem





Track: Mechanical Engineering:

- Mechanics
- Power and Applied Mechanics
 - Mechatronics and Robotics
- Thermodynamics and Thermo-Science
- Micro Electro-Mechanical Systems (MEMS)
 - Friction Stir Welding (FSW)
 - Nanotechnology
 - Biomechanics
 - Computational Fluid Dynamics
 - Acoustical Engineering





Seminars Time Table 13 / 9 / 2023 On Campus

(The <u>Chairman</u> asks the presenter to introduce himself / herself in (Name, Scientific degree, Work field & Affiliation)

Room Number: Meeting Room - Cultural and Social Center (30 seats)

No. of Session:	Session 1	Name of Session:	Mechanical Engineering
Name of Chairman:	Assistant Prof. Dr. Saeed Rajab Rekani	Date: 13 / 9 /2023	Time Period: 2:30 – 3:45 PM

Time	Paper ID	Author(s)	Title	Presenter
2:30 – 2:45	#55 1570923524	Haval Asker (University of Duhok, Iraq)	Numerical Optimization of the Effect of the Aspect Ratio on the Dynamic Performance of Plates	Haval Kamal Asker
2:45 – 3:00	#61 1570924327	Thaker Dawood (UoD, Iraq); Dlair O'baid Ramadan (Erbil Polytechnic University, Iraq); Basim Mohammad Fadhil (Erbil Polytechnic University, The Netherlands)	Improving the Mechanical Properties of Carbon- Epoxy and Glass-Epoxy Composites by Incorporating Silica Nanoparticles	Thaker Saleh Dawood
3:00 - 3:15	#72 1570926410	Kareem Abdulfgafour Abdulla, Sr (University of Salahaddin & College of Engineering, Iraq)	Effects of Lamina Orientation on Uniaxial Buckling Load of Composite Plates	Kareem Abdulghafour Abdulla
3:15 - 3:30	#81 1570927900	Mahdi Sadan (University of Duhok, Iraq)	Influence of Adding Different Parctical Fillers on Electrical Conductivity and Mechanical Properties of High Density Polyethylene (HDPE) Matrix Composites	Mahdi Khider Sadan
3:30 - 3:45	#150 1570930971	Ayad Aied Mahuof (University of Anbar, Chemical and Petrochemical Engineering & Engineering College, Iraq); Osama A. Mohsen (University of Anbar & Chemical and Petrochemical Engineering, Iraq); Mohammed H Mahmood	A Numerical Study for Novel Thin-Walled Compound Structures Made of PPR Material Reinforced with AL Shells	Ayad Aied Mahuof





Seminars Time Table 14/9/2023 Online

(The <u>Chairman</u> ask the presenter to introduce himself / herself in (Name, Scientific degree, Certificate, Work field, Affiliation)

Zoom Link:https://zoom.us/j/4343350779?pwd=aXJKcUtDUHk4QUc2R1VNanVyYnZYUT09 Meeting ID: 434 335 0779 Passcode: 936050

No. of Session:	Session 1	Name of Session:	Mechanical Engineering (Meeting Room - Cultural and Social Center)
Name of Chairman:	Assistant Prof. Dr. Arkan Fawzi Saeed	Date: 14 / 9 /2023	Time Period: 10:00 am – 11:15 am

Time	Paper ID	Author(s)	Title	Presenter
10:00 - 10:15	#71 1570926298	Jaffar Sami Shaban (University of Babylon, Iraq)	A Study of the Effect of Ammonia Blending on Burning Velocity of LPG at Initial Pressure with High-Speed Camera's	Jaafar Sami Shaban
10:15 - 10:30	#202 1570932720	Osama A. Mohsen (University of Anbar & Chemical and Petrochemical Engineering, Iraq); Omar Al- Kubaisi and Suha M. Salih (University of Anbar, Iraq); Mustafa M. Hathal (Scientific Society for Energy Studies and Research/ Baghdad- Iraq., Iraq); Ayad Aied Mahuof	Study the Effect of Longitudinal Tapered Fins and Pinned Fins in a Vertical Duct on Cooling Surface Temperature	Ayad Mahuof
10:30 - 10:45	#140 1570930354	Ahmed Shunaia (University of Al-Qadisiyah, Iraq)	Biodiesel Production from Waste Cooking Oil and Isopropanol Fluid by Using Transesterification Technology and Optimizing the Process by Using Response Surface Method (RSM)	Ahmed Shunaia
10:45 - 11:00	#20	Ali A.Al-jabiri, Hyder H. Balla, Mudhaffar S. Alzuhairy	Effect of biodiesel on engine performance parameters: A review	Ali Abdulkadhum Abdulzahraa Aljabiri
11:00 - 11:15	#43	Maha Sattar Sayhud, Kamal Abdulkareem Mohammed and Ehsan Sabah Al-Ameen	Role of Hot Machining Technique on Machinability Enhancement for Hardened Steels	Maha Sattar Sayhud





Track: Electrical and Computer Engineering:

- Electronic and Control Systems Engineering
- Communication and Computer Systems Engineering
 - Power Engineering





Seminars Time Table 13 / 9 / 2023 On Campus

(The <u>Chairman</u> asks the presenter to introduce himself / herself in (Name, Scientific degree, Work field & Affiliation)

Room Number: Hall 3- Cultural and Social Center (70 seats)

No. of Session:	Session 1	Name of Session:	Electrical and Computer Engineering
Name of Chairman:	Assistant Prof. Dr. Lokman Hadi Hassan	Date: 13 / 9 /2023	Time Period: 2:30 – 3:30 PM

Time	Paper ID	Author(s)	Title	Presenter
2:30 – 2:45	#120 1570929408	Moayed Al Mobaied and Hassan Al-Nahhal (Islamic University of Gaza, Palestine)	Design a Robust Optimal Proportional-Integral- Derivative Controller for CE152 Magnetic Levitation System Using Bee Colony Algorithm	Moayed Al Mobaied
2:45 – 3:00	#25	Star Dawood Mirkhan, Skala Kamaran Omer, Hussein Mohammed Ali, Mahmood Yashar Hamza, Tarik Ahmed Rashid, and Poornima Nedunchezhian	Effective Delegation and Leadership in Software Management	Tarik Ahmed
3:00 - 3:15	#62 1570924435	Mohammed Abdalla Ali, Serwan Bamerni and Ahmed Al-Sulaifanie (University of Duhok, Iraq)	ECG Signal Denoising Using Discrete Wavelet Transform	Mohammed Abdalla Ali
3:15 - 3:30	#207 1570932734	Hussein Mohammed Ali and Mahmood Yashar (Tishk International University, Iraq); Tarik A Rashid (University of Kurdistan Halwer, Iraq)	Exploring Polymorphism: Flexibility and Code Reusability in Object-Oriented Programming	Hussein Mohammed Ali





Seminars Time Table 13 / 9 / 2023 On Campus

(The <u>Chairman</u> asks the presenter to introduce himself / herself in (Name, Scientific degree, Work field & Affiliation)

Room Number: Hall 3- Cultural and Social Center (70 seats)

No. of Session:	Session 2	Name of Session:	Electrical and Computer Engineering
Name of Chairman:	Prof. Dr. Tarik A. Rashid	Date: 13 / 9 /2023	Time Period: 3:30 – 4:30 PM

Time	Paper ID	Author(s)	Title	Presenter
3:30 – 3:45	#196 1570932644	Hussein Mohammed Ali and Mahmood Yashar (Tishk International University, Iraq); Tarik A Rashid (University of Kurdistan Halwer, Iraq)	A Comprehensive Study on Automated Testing with the Software Lifecycle	Hussein Mohammed Ali
3:45 – 4:00	#149 1570930962	Hardi Khairullah Abdullah (Salahaddin University- Erbil, Iraq); Parinaz Mohammed Abdulkarim (Presidency of Erbil Municipality, Ministry of Municipalities and Tourism, Iraq)	A Design Model and Comparison of Fixed and Tracking Photovoltaic Systems for a Single-Family House in Erbil, Iraq	Hardi Khairullah Abdullah
4:00 - 4:15	#158 1570931183	Bushra Hussien Aliwi (University of Babylon, Iraq)	Designing an Encryption Function for Fuzzy Chaotic-Based Model with Bifurcation Shifting in Security Communicate	Bushra Hussien Aliwi
4:15 - 4:30	#115 1570929237	Zainab Shawqi Hammed (Duhok Polytechnic University, Iraq); Siddeeq Yousif Ameen (Research Center Director, Duhok Polytechnic University, Iraq)	Deep Learning Based Channel Estimation for 5G and Beyond	Zainab Shawqi Hammed





Seminars Time Table 13 / 9 / 2023 On Campus

(The <u>Chairman</u> asks the presenter to introduce himself / herself in (Name, Scientific degree, Work field & Affiliation)

Room Number: Hall 2 - Cultural and Social Center (90 seats)

No. of Session:	Session 3	Name of Session:	Electrical and Computer Engineering
Name of Chairman:	Assistant Prof. Dr. Arkan Fawzi Saeed	Date: 13 / 9 /2023	Time Period: 3:30 – 4:30 PM

Time	Paper ID	Author(s)	Title	Presenter
3:30 – 3:45	#179 1570932109	Serwan Bamerni and Sagvan Ali Saleh (University of Duhok, Iraq); Rafid Salih Sarhan (University of Duhok & College of Engineering, Iraq); Rawan Rashad Kamal, Ahlam Yousif Younis, Kahraman Khodeda Mirza and Huda Mawloud Ahmed	A Decision Support System Based on Optimization Methods for Optimizing Duhok University Traffic Problem	Rawan Rashad Kamal
3:45 – 4:00	#195 1570932609	Hanady Sahib (University of Duhok, Iraq)	Enhancing Voltage Stability and Minimizing Power Losses via Reconfiguration and Sizing of Distributed Generators	Hanady Qayser Sahib
4:00 - 4:15	#208 1570932741	Salih Mustafa S. Atroshey (University of Duhok, Iraq)	Capacity Enhancement of Radio over Fiber System Using Various Modulation Techniques	Lana Laeq Ibrahim
4:15 - 4:30	#209 1570932745	Salih Mustafa S. Atroshey (University of Duhok, Iraq)	Performance Enhancement of Radio over Fiber System for Long Distance Communication	Saman Ahmed S. Saffar





Seminars Time Table 14/9/2023 Online

(The <u>Chairman</u> ask the presenter to introduce himself / herself in (Name, Scientific degree, Certificate, Work field, Affiliation)

Zoom Link: https://zoom.us/j/91417544813?pwd=aCthOE9ZeHRBTUpJbll1ckY5OWpVUT09 Meeting ID: 914 1754 4813 Passcode: 905339

No. of Session:	Session 1	Name of Session:	Electrical and Computer Engineering (Hall 3- Cultural and Social Center)
Name of Chairman:	Assistant Prof. Dr. Sagvan Ali Saleh	Date: 14 / 9 /2023	Time Period: 10:00 am – 11:15 am

Time	Paper ID	Author(s)	Title	Presenter
10:00 - 10:15	#22 1570908007	Hanan Mikhael Dawood (University of Baghdad, Iraq); Hayder Ahmad Hamad (Salahddin University Erbil, Iraq); Afaneen Anwer Abbood (University of Technology, Iraq)	Hybrid Metaheuristic Algorithms MPPT Under Partial Shading Condition	Hanan Mikhael Dawood
10:15 - 10:30	#24 1570912683	Maan Hameed, Ahmed Lateef Hameed, Naseer Alwan Hussein	High Performance of Coding and Decoding Process for Data Compression Using Variable in Length Coding	Maan Hameed
10:30 - 10:45	#58 1570923971	Chnar Mustafa Mohammed (Erbil & Erbil Polytechnic University, Iraq)	An Efficient Dynamic Resource Sharing for a Multi-Vendor Wireless Network Virtualization	Chnar Mustafa Mohammed
10:45 - 11:00	#59 1570923973	Mohammed Kadim (Middle Technical University, Iraq)	Design and Analysis a Broadband Printed-Dipole Antenna for 4G/5G Mobile Smartphone	Mohammed Kadim
11:00 - 11:15	#92 1570928428	Ali Ahmed Mahal and Abdulrazzaq Aljuburi (University of Kufa, Iraq)	Analysis of Performance for the Various Types of Controllers Used in the Automatic Voltage Regulator System (AVR)	Ali Ahmed Mahal





Seminars Time Table 14/9/2023 Online

(The <u>Chairman</u> ask the presenter to introduce himself / herself in (Name, Scientific degree, Certificate, Work field, Affiliation)

Zoom Link: https://zoom.us/j/91417544813?pwd=aCthOE9ZeHRBTUpJbll1ckY5OWpVUT09 Meeting ID: 914 1754 4813 Passcode: 905339

No. of Session:	Session 1	Name of Session:	Electrical and Computer Engineering (Hall 3- Cultural and Social Center)
Name of Chairman:	Assistant Prof. Dr. Sagvan Ali Saleh	Date: 14 / 9 /2023	Time Period: 11:00 am – 12:15 pm

Time	Paper ID	Author(s)	Title	Presenter
11:15 - 11:30	#96 1570928662	Mohammed Ezzat Bahar (Ministry of National Economy & Islamic University of Gaza, Palestine); Abed Schokry and Mohammad Ahmed Alhanjouri (Islamic University of Gaza, Palestine)	Real-Time Predictive Maintenance System of Industrial Equipment Without Historical Failure Data	Mohammed Ezzat Bahar
11:30 - 11:45	#100 1570928725	Kawan Faiq Ahmed (Sulaimani Polytechnic University, Iraq & Technical College of Engineering, Iraq); Asaad Alhindawi (Sulaimani Polytechnic University, Iraq)	5G Urban Cell Planning Estimation and Base Station Throughput Determination	Kawan Faiq Ahmed
11:45 – 12:00	#86 1570928173	Salar Kheder Shaikhah (Erbil Polytechnic University & Erbil Technical Engineering College, Iraq)	A Novel Network Analyzing Tool (NNAT) for Complex Network Information Visualization	Asma Barzhawand Ismail
12:00 – 12:15	#102 1570928785	Aran Sirwan and Hiwa Omer (University of Human Development, Iraq)	Reinforcement Learning Model for Finding Optimal Path	Aran Sirwan Ismail





Seminars Time Table 14/9/2023 Online

(The <u>Chairman</u> ask the presenter to introduce himself / herself in (Name, Scientific degree, Certificate, Work field, Affiliation)

Zoom Link: https://zoom.us/j/93629113909?pwd=clUwcURWeVVJOVVySINSWWNTalRldz09 Meeting ID: 936 2911 3909 Passcode: 626602

No. of Session:	Session 2	Name of Session:	Electrical and Computer Engineering (Hall 2-Cultural and Social Center)
Name of Chairman:	Dr. Ismail Amin Ali	Date: 14 / 9 /2023	Time Period: 10:00 am – 11:15 am

Time	Paper ID	Author(s)	Title	Presenter
10:00 - 10:15	#162 1570931416	Mohammad Khalaf (Iraq & Kufa University, Iraq)	Future Human Activity Prediction Framework- Based Sensors Using Time Series	Mohammad Khalaf
10:15 - 10:30	#163 1570931495	Firas M. Ali, Ali E. Shatub and Mejwel F. Bader (University of Technology, Iraq)	Design and Implementation of an RF Balanced Amplifier for Wireless Communication Systems	Firas M. Ali
10:30 - 10:45	#178 1570932108	Sarah Faeq Abdullah and Shahir Fleyeh Nawaf (University of Tikrit, Iraq)	Secure Image Steganography Using GHM: Hiding Text in Plain Sight	Sarah Faeq Abdullah
10:45 - 11:00	#183 1570932347	Kanaan Kaka-khan (University of Human Development, Iraq); Aras Ahmed Ali (University College of Goizha - Sulaimani, Iraq); Israa Alighalib Chalabi (Sakarya University, Turkey)	Chatbot-Based Tourist Guide Using Artificial Intelligence Markup Language	Kanaan Al-Jaf
11:00 - 11:15	#187 1570932363	Wasan H Jacob and Abeer Alsallami (University of Babylon, Iraq)	A Healthcare System for Internet of Things (IoT) Application: Machine Learning-Based Approach	Wasan Hashim Al Masoody





Seminars Time Table 14/9/2023 Online

(The <u>Chairman</u> ask the presenter to introduce himself / herself in (Name, Scientific degree, Certificate, Work field, Affiliation)

Zoom Link: https://zoom.us/j/93629113909?pwd=clUwcURWeVVJOVVySINSWWNTalRldz09 Meeting ID: 936 2911 3909 Passcode: 626602

No. of Session:	Session 2	Name of Session:	Electrical and Computer Engineering (Hall 2-Cultural and Social Center)
Name of Chairman:	Dr. Ismail Amin Ali	Date: 14 / 9 /2023	Time Period: 11:15 am – 12:30 pm

Time	Paper ID	Author(s)	Title	Presenter
11:15 - 11:30	#51	Dildar Masood Abdulqader, Subhi R. M. Zeebaree, Rizgar R. Zebari, Sagvan Ali Saleh, Zryan Najat Rashid and Mohammed A. M.Sadeeq	Single-Threading based Distributed- Multiprocessor-Machines affecting by Distributed-Parallel-Computing Technology	Dildar Masood Abdulqader
11:30 - 11:45	#65	Nashma Taha Muhammed, Zryan Najat Rashid, Subhi R. M. Zeebaree, JIHAN Abdulazeez Ahmed Rasool, Rizgar R. Zebar and Mohammed A. M.Sadeeq	Optimizing Time Consumption for Smartphone- based Distributed Parallel Processing System	Nashma Taha Muhammed
11:45 – 12:00	#16	Govand Salih Kadir, Hadil Abdulla Hassan	Combining MPLS with Ad-hoc routing protocols for a VANET congestion alert	Govand Salih Kadir
12:00 - 12:15	#19	Skala Kamaran Omer, Star Dawood Mirkhan, Nyan Najat Hussein, Aveen Zuber Ali, Tarik Ahmed Rashid, Hussein Mohammed Ali, Mahmood Yashar Hamza and Poornima Nedunchezhian	Comparative Analysis: Exploring Encapsulation in Java and Python Programming Languages	Aveen Zuber
12:15 - 12:30	#190 1570932378	Aveen Kakamen Mustafa (University of Kurdistan Hewler, Iraq); Ibrahim Hamarash (University of Kurdistan Hewler, Iraq & Salahaddin University-Erbil, Iraq)	Predicting Long-Term COVID-19 Symptoms Using Machine Learning: A Case Study in Kurdistan of Iraq	Aveen Kakamen Mustafa





Track: Civil Engineering:

- Structural Engineering
- Transportation Engineering
- Construction Engineering
- Materials Science and Technology
 - Earthquake Engineering
 - Forensic Engineering
 - Geotechnical Engineering
 - Coastal Engineering
- Construction Safety and Fire Engineering
 - Composite Materials Engineering
 - Engineering Management
 - Environmental Engineering

- Solid Waste Management
- Environmental Impact Assessment and Mitigation
 - Water Supply and Treatment
 - Wastewater Treatment
 - Air Pollution Management
 - Environmental Protection Agency
 - Water Resources Engineering
 - Hydrology
 - Surveying
 - GIS and Remote Sensing





Seminars Time Table 13 / 9 / 2023 On Campus

(The <u>Chairman</u> asks the presenter to introduce himself / herself in (Name, Scientific degree, Work field & Affiliation)

Room Number: Big Hall 800 – Conference Hall (800 seats)

No. of Session:	Session 1	Name of Session:	Civil Engineering
Name of Chairman:	Dr. Razaq Ferhadi	Date: 13 / 9 /2023	Time Period: 2:30 – 3:45 PM

Time	Paper ID	Author(s)	Title	Presenter
2:30 – 2:45	#151 1570930982	Bakhtyar Ahmed Mala and Dleen Muhammed Salih (Salahaddin University, Iraq)	The Effect of Materials on the Quality and Accuracy of Point Clouds in Terms of Reflectivity and Roughness Based on the Incident Angle	Bakhtyar Ahmed Mala
2:45 – 3:00	#82 1570928034	Mand K Askar (Duhok Polytechnic University, Iraq); Yaman Sami Shareef Al-Kamaki (University of Duhok, Iraq); Razaq Ferhadi (The American University of Kurdistan, Iraq)	Cracks in Concrete Structures Causes and Treatments: A Review	Mand K Askar
3:00 - 3:15	#78 1570927824	Sevar Dilkhaz Salahaddin (University of Zakho, Iraq), James H. Haido College of Engineering, University of Duhok, Duhok City, Kurdistan Region, Iraq, George Wardeh, CY Cergy-Paris University, France	Retention Rate and Residual Mechanical Properties of UHPC Incorporating Waste Glass Powder at Elevated Temperature	Sevar Dilkhaz Salahaddin
3:15 – 3:30	#57 1570923646	Idrees Muhammed Mahmood (University of Duhok, Iraq)	Optimization of Steel Truss Using Genetic Algorithm	Idrees Muhammed Mahmood
3:30 – 3:45	#21 1570907969	Farsat Heeto Abdulrahman and Sarhat Adam (University of Duhok, Iraq)	Investigation of the UAV Imagery for Building's Crack Dimension Measurement	Sarhat Mustafa Adam





Seminars Time Table 13 / 9 / 2023 On Campus

(The <u>Chairman</u> asks the presenter to introduce himself / herself in (Name, Scientific degree, Work field & Affiliation)

Room Number: Small Hall 400 – Conference Hall (400 seats)

No. of Session:	Session 2	Name of Session:	Civil Engineering
Name of Chairman:	Professor Dr. Bahzad M. Ali Noori	Date: 13 / 9 /2023	Time Period: 2:30 – 3:30 PM

Time	Paper ID	Author(s)	Title	Presenter
2:30 – 2:45	#64 1570924632	Jaafar A Mohammed (University of Duhok (UoD), Iraq)	Geological and Geotechnical Investigations of Gali Zakho Tunnel, Duhok, Kurdistan Region - Iraq	Jaafar Abdullah Mohammed
2:45 – 3:00	#56 1570923582	Varoujan Khajeek Sissakian (Kmoar University of Science and Technology, Iraq)	Population Growth in Erbil Governorate and Water Consumption. A Case Study	Varoujan Khajeek Sissakian
3:00 - 3:15	#89 1570928212	Gaheen Sarma and Evan Hajani (University of Duhok, Iraq)	Generating the Rainfall Time Series Using ARIMA Model in Kurdistan Region, Iraq	Gaheen Taha Mohammed Sarma
3:15 – 3:30	#39	Hindreen Mohammed Nazif	Groundwater Quality Analysis by Integrating Water Quality Index, GIS Techniques and Supervised Machine Learning: A Case Study in Duhok Province, Iraq	Hindreen Mohammed Nazif





Seminars Time Table 13 / 9 / 2023 On Campus

(The <u>Chairman</u> asks the presenter to introduce himself / herself in (Name, Scientific degree, Work field & Affiliation)

Room Number: Hall 1 - Cultural and Social Center (50 seats)

No. of Session:	Session 3	Name of Session:	Civil Engineering
Name of Chairman:	Assist. Prof. Dr. Najdat Sabri Abdulkhaliq	Date: 13 / 9 /2023	Time Period: 2:30 – 3:30 PM

Time	Paper ID	Author(s)	Title	Presenter
2:30 – 2:45	#164 1570931511	Nasreen Ahmed Hussein (University of Duhok, Iraq)	Identifying High Crash Signalized Intersections and Application of Highway Safety Manual Predictive Method to Reduce Crashes	Nasreen Ahmed Hussein
2:45 – 3:00	#119 1570929308	Hussein Hassan (University of Duhok, Iraq)	Utilizing Glass Powder and Limestone Dust as an Alternative to Portland Cement for Stabilization of Clayey Soils	Hussein Hassan
3:00 - 3:15	#181 1570932336	Jeegir Zeki Ahmed, Jeger Khairy Ismail and Yaman Sami Shareef Al-Kamaki (University of Duhok, Iraq)	Evaluation of the Cost Effectiveness of Three Different Structural Systems for Tall Buildings	Jeegir Zeki Ahmed
3:15 – 3:30	#84 1570928055	Yousif Youkhanna Zaia, Sarhat Adam and Farsat Heeto Abdulrahman (University of Duhok, Iraq)	Improving Building Energy Performance Based on Building Information Modeling Approach	Yousif Youkhanna Zaia





Seminars Time Table 13 / 9 / 2023 On Campus

(The <u>Chairman</u> asks the presenter to introduce himself / herself in (Name, Scientific degree, Work field & Affiliation)

Room Number: Hall 1 - Cultural and Social Center (50 seats)

No. of Session:	Session 4	Name of Session:	Civil Engineering
Name of Chairman:	Assist. Prof. Dr. Dilshad Abdul Jabbar Haleem	Date: 13 / 9 /2023	Time Period: 3:30 – 4:30 PM

Time	Paper ID	Author(s)	Title	Presenter
3:30 – 3:45	#31 1570918889	Ferhad Rahim Karim (Lecturer in University of Sulaimani, Iraq)	A Critical Review of the Effect of Internal Curing on the Properties of Ultrahigh Performance Fibre Reinforced Concrete	Ferhad Rahim Karim
3:45 – 4:00	#32 1570918898	Ferhad Rahim Karim (Lecturer in University of Sulaimani, Iraq)	Ultra-High Performance Fiber-Reinforced Concrete Flat Slabs' Punching Shear Resistance as a Function of Drop Panel Thickness	Ferhad Rahim Karim
4:00 - 4:15	#166 1570931659	Rafeaa M Hadedy and Abdulbasit Abdulaziz Muhmood (Northern Technical University, Iraq)	Green Concrete Design Using Furnace Slag and Fly Ash	Abdul Basit Abdul Aziz Muhmood
4:15 - 4:30				





Seminars Time Table 14/9/2023 Online

(The <u>Chairman</u> ask the presenter to introduce himself / herself in (Name, Scientific degree, Certificate, Work field, Affiliation)

Zoom Link: https://zoom.us/j/92880959213?pwd=TjdOcFFzRDI4QUxac096bGU1UnNPdz09 Meeting ID: 928 8095 9213 Passcode: 216268

No. of Session:	Session 1	Name of Session:	Civil Engineering (Hall 1- Cultural and Social Center)
Name of Chairman:	Dr. Abduljabbar Ismael Abdy	Date: 14 / 9 /2023	Time Period: 10:00 am – 11:00 am

Time	Paper ID	Author(s)	Title	Presenter
10:00 - 10:15	#11 1570900787	Wisam Kamil Alzweehm, Jr. (Budapest University of Technology and Economics & Budapest, Hungary) & Anwar Abbas	Evaluation of the Performance of Slurry Infiltrated Fiber Concrete Slabs Exposing to Hydrocarbon Fire	Anwar Abbas
10:15 - 10:30	#46 1570922652	John Lanreb Christofer Rivera Bernal, Jamila Niña N Tabora and Jazmine Sydney B. Tanay (Mapúa University, Philippines)	Nonlinear Pushover Analysis of a 4-Storey Structure with a Roof Deck Using Po-Lite Hollow Blocks as Infill Wall	John Lanreb Christofer
10:30 - 10:45	#52 1570923016	Ali Hassan Hommadi (Ministry of water Resources & National Center, Iraq); Ghaith Mohammed Ali Mageed (Ministry of Water Resources, Iraq); Hatem H. Hussien (Minstery of Water Resources, Iraq)	Water Retention Technology Below Crop's Root Zone a Tool to Increase Water Utilize Efficiency and Water Productivity for Melon Crop	Ali Hassan Hommadi
10:45 - 11:00	#70 1570926287	Jawdat Tashan and Abdullah Azbah (University of Kurdistan-Hawler, Iraq)	Strength Characteristics of Geopolymer Concrete Under Fire Condition	Abdullah Azbah





Seminars Time Table 14/9/2023 Online

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Zoom Link: https://zoom.us/j/92880959213?pwd=TjdOcFFzRDI4QUxac096bGU1UnNPdz09 Meeting ID: 928 8095 9213 Passcode: 216268

No. of Session:	Session 1	Name of Session:	Civil Engineering (Hall 1- Cultural and Social Center)
Name of Chairman:	Dr. Abduljabbar Ismael Abdy	Date: 14 / 9 /2023	Time Period: 11:00 am – 12:00 pm

Time	Paper ID	Author(s)	Title	Presenter
11:00 - 11:15	#94 1570928519	Heba Faisal Al Jaddou (Damascus University, Syria)	Prediction of BOD Index in Wastewater Treatment Plant Using Genetic Algorithms and Neural Networks	Heba Faisal Al Jaddou
11:15 - 11:30	#95 1570928521	Hersh Hama Amin F Mahmood and Masood Abu-Bakr Abu-Bakr (University of Halabja, Iraq)	Different Mineral Admixtures in Roller Compacted Concrete	Masood Abu-Bakr
11:30 - 11:45	#97 1570928671	Haruna Ibrahim, George Wardeh and Hanaa Fares (L2MGC, CY Cergy Paris University, France)	Reliability of Digital Image Correlation Techniques for Cementitious Composite Fracture Characterization	Haruna Ibrahim
11:45 – 12:00	#103 1570928790	Reem Ihsan (University of Al-Qadisiyah & Chemicals, Iraq); Abbas Khalaf Mohammed (University of Al-Qadisiy, Iraq)	Removal of Methylene Blue Dye from Industrial Wastewater by Chitosan	Reem Ihsan





Seminars Time Table 14/9/2023 Online

(The <u>Chairman</u> ask the presenter to introduce himself / herself in (Name, Scientific degree, Certificate, Work field, Affiliation)

Zoom Link: https://zoom.us/j/97486488494?pwd=bGQzdzZTampHaFVqVEFITWZsWHR4QT09 Meeting ID: 974 8648 8494 Passcode: 454187

No. of Session:	Session 2	Name of Session:	Civil Engineering
Name of Chairman:	Assistant Prof. Dr. Jawdat Tashan	Date: 14 / 9 /2023	Time Period: 10:00 am – 11:00 am

Time	Paper ID	Author(s)	Title	Presenter
10:00 - 10:15	#108 1570928977	Hussein Sadiq Latief & Abdulamir Atalla Almayah	Reactive Powder Concrete (RPC) Beams Under Flexural and Shear Loads: An Experimental Study	Hussein Sadiq Latief
10:15 - 10:30	#112 1570929058	Saja FA Hadi, sr (Babylon University, Iraq)	Review of Using Ceramic Coatings to Increase the Performance of Solar Collectors with Air Brush Spray Method on Stainless Steel Substrate	Saja FA Hadi
10:30 - 10:45	#128 1570929849	Ali Mekki Al-Fawzy (Al-Furat Al-Awsat Technical Universuty, Iraq); Ali Hassan Hommadi (Ministry of water Resources & National Center, Iraq)	Scheduling the Laterals of Shattulhilla River by Utilizing the Genetic Algorithm as Water Sustainability Technique	Ali Mekki Mohammed- Hasan Al-Fawzy
10:45 - 11:00	#129 1570929854	Ali Mohamad Ahmad (Tishreen University, Syria); Fayez Ali Jrad (Associate Professor -, Syria); Samah Makia (Associate Professor, Syria)	A Data-Driven Approach to Supplier Selection in Industrial Construction Projects	Ali Mohamad Ahmad





Seminars Time Table 14/9/2023 Online

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Zoom Link: https://zoom.us/j/97486488494?pwd=bGQzdzZTampHaFVqVEFITWZsWHR4QT09 Meeting ID: 974 8648 8494 Passcode: 454187

No. of Session:	Session 2	Name of Session:	Civil Engineering
Name of Chairman:	Assistant Prof. Dr. Jawdat Tashan	Date: 14 / 9 /2023	Time Period: 11:00 am – 12:00 pm

Time	Paper ID	Author(s)	Title	Presenter
11:00 - 11:15	#131 1570929868	Ali Mekki Al-Fawzy (Al-Furat Al-Awsat Technical Universuty, Iraq)	Effect of Population Growth on the Water Duty of the Irrigated Lands Within a Part of the Central District of Kerbala City: AlihHneidiyah River as Study Case	Ali Mekki Mohammed- Hasan Al-Fawzy
11:15 - 11:30	#133 1570930097	Abbas Yeganeh-Bakhtiary (UKH & Iran University of Science & Technology, Iran)	Evaluation of M5p Decision Tree Model in Downscaling CMIP6 Climate Output for Erbil Plain	Abbas Yeganeh-Bakhtiary
11:30 - 11:45	#135 1570930147	Maysam Rahim and Mahdi Al-Naddaf (University of Kerbala, Iraq); Shakir Falih Al- Busaltan (University of Kerbala & College of Engineering, Iraq)	Investigations of Buried Structure Enhanced by Geosynthetic Products: A Review	Maysam Rahim
11:45 – 12:00	#136 1570930195	Faten Al-Saker, Toufik Fayad, and Rami Alabdeh (Tishreen, Syria)	Effect of Permeation Grouting Using Cement Kiln Dust (CKD) on Some Mechanical Properties of Sandy Soil	Faten M Alsakr





Seminars Time Table 14/9/2023 Online

(The <u>Chairman</u> ask the presenter to introduce himself / herself in (Name, Scientific degree, Certificate, Work field, Affiliation)

Zoom Link: https://zoom.us/j/93765813658?pwd=cUxaTEdVMVViRHZhY1M1d1dZa1l4QT09 Meeting ID: 937 6581 3658 Passcode: 266883

No. of Session:	Session 3	Name of Session:	Civil Engineering (Video Conference Hall)
Name of Chairman:	Assistant Prof. Dr. Shawkat Kochary	Date: 14 / 9 /2023	Time Period: 10:00 am – 11:00 am

Time	Paper ID	Author(s)	Title	Presenter
10:00 - 10:15	#138 1570930350	Yahya Sayah Shakhair and Muhammad Jawad Kadhim (University of Babylon, Iraq)	Investigating the Impact of Varying Steel Fiber Ratios on the Compressive and Tensile Characteristics of SIFCON	Yahya Sayah Shkhair
10:15 - 10:30	#141 1570930395	Ali Mekki Al-Fawzy (Al-Furat Al-Awsat Technical Universuty, Iraq)	Detention and Release in Stepped Gabion Weir: Case of Four Steps	Ali Mekki Al-Fawzy
10:30 - 10:45	#146 1570930719	Tawrez Shaaban Sofi, Jamal Ismael Kakrasul (Hariry) and Sherwan Sharif Qurtas (Soran University, Iraq)	Assessment Some of the Geotechnical Properties of Municipal Solid Waste at Soran Waste Dumping Site, Kurdistan Region of Iraq	Tawrez Shaaban Sofi
10:45 - 11:00	#155 1570931012	Bushra AlAkkari and Soleman Alamodi (University of Albaath, Syria)	Investigation of the Behaviour of Recycled Aggregate Concrete Columns Under Bi-Eccentric Compression	Bushra AlAkkari





Seminars Time Table 14/9/2023 Online

(The <u>Chairman</u> ask the presenter to introduce himself / herself in (Name, Scientific degree, Certificate, Work field, Affiliation)

Zoom Link: https://zoom.us/j/93765813658?pwd=cUxaTEdVMVViRHZhY1M1d1dZa1l4QT09 Meeting ID: 937 6581 3658 Passcode: 266883

No. of Session:	Session 3	Name of Session:	Civil Engineering (Video Conference Hall)
Name of Chairman:	Assistant Prof. Dr. Shawkat Kochary	Date: 14 / 9 /2023	Time Period: 11:00 am – 12:00 pm

Time	Paper ID	Author(s)	Title	Presenter
11:00 - 11:15	#168 1570931824	Fatima ALSALEH (University of Aleppo) and Feras Aladday Alkhalil, Sr (University of Kalamoon, Syria)	Effect of Chemical Additives and Recycled Aggregate Size on the Properties of Pervious Concrete Pavement	Fatima ALSALEH
11:15 - 11:30	#173 1570931940	Rasan Ramadhan Mohammed and Darawan Abdulkarem Sabir (Tishk International University, Iraq); Najmadeen Mohammed Saeed (University of Raparin, Iraq & Tishk International University, Iraq); Bashdar Omer	Performance of the Mechanical Properties of Concrete Modified with Coarse Glass Aggregate and Incorporation of Polypropylene Fibers	Bashdar Mohamad Tahir Omer
11:30 - 11:45	#180 1570932116	Hogr Hassan (University of Raparin, Iraq); Najmadeen Mohammed Saeed (University of Raparin, Iraq & Tishk International University, Iraq); Ahmed Aulla Manguri (Gdansk University of Technology, Poland & University of Raparin, Iraq)	Response of Natural Frequency of RC Walls for Various Sizes and Locations of Opening	Hogr Zainaddeen Hassan
11:45 – 12:00	#194 1570932535	Rania Al-Ahmar (Higher Institute of Earthquake Studies and Research (HIESR), Damascus University, Syria); Mayada Al Ahmad Al Kousa (Faculty of Civil Engineering, Damascus University, Syria); George Wardeh (L2MGC, CY Cergy-Paris University France, France)	Some of Recommendations and Learned Lessons from Buildings' Performance during the Recent Turkey-Syria Earthquake	Rania Al-Ahmar





Seminars Time Table 14/9/2023 Online

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Zoom Link: https://zoom.us/j/97207373457?pwd=MGhTbG5TVzJpNVBzVnZ4UjhKTHBhQT09 Meeting ID: 972 0737 3457 Passcode: 547210

No. of Session:	Session 4	Name of Session:	Civil Engineering (VIP Room)
Name of Chairman:	Dr. Bayar Najeeb Abdulrazaq	Date: 14 / 9 /2023	Time Period: 10:00 am – 11:00 am

Time	Paper ID	Author(s)	Title	Presenter
10:00 - 10:15	#201 1570932713	Mohammed Redha Isam Alnaffakh and Hayder Husain Alghazali (University of Kufa, Iraq)	Performance of Sustainable Concrete Constructed with Locally Available Aggregates	Mohammed Redha Isam Alnaffakh
10:15 - 10:30	#205 1570932728	Israa M. Alabudy (University of Kufa, Iraq)	Navigating the Future: Understanding the Essential Components for Successful Smart Parking Solutions	Isra'a Mohammed AL-Abudy
10:30 - 10:45	#44 1570921262	Yousif S Saeed (University of Kirkuk, Russia & Shiwasor, Russia)	BIM Technology Strategies in Designing Sustainable Cities	Yousif S Saeed
10:45 - 11:00	#73 1570926787	Yousif S Saeed (University of Kirkuk, Russia & Shiwasor, Russia); Nada S. Abdulmajeed on (Northern Technical University, Iraq); Salih H. Najib (Shiwasor Company, Iraq)	Energy-Efficient Building Using Mantosiva Material	Yousif S Saeed





Seminars Time Table 14/9/2023 Online

(The <u>Chairman</u> ask the presenter to introduce himself / herself in (Name, Scientific degree, Certificate, Work field, Affiliation)

Zoom Link: https://zoom.us/j/97207373457?pwd=MGhTbG5TVzJpNVBzVnZ4UjhKTHBhQT09 Meeting ID: 972 0737 3457 Passcode: 547210

No. of Session:	Session 4	Name of Session:	Civil Engineering (VIP Room)
Name of Chairman:	Dr. Bayar Najeeb Abdulrazaq	Date: 14 / 9 /2023	Time Period: 11:00 am – 12:00 pm

Time	Paper ID	Author(s)	Title	Presenter
11:00 - 11:15	#5	Ranim AlJubaely	Finding and Designing Dams using GIS And Multicriteria Decision Making	Ranim AlJubaely
11:15 - 11:30	#7	Afif Rahma	Testing of Fin Sandy Concrete Reinforced With Polypropylene Fiber for Rural and Desert Housing	Afif Rahma
11:30 - 11:45	#9	Ali Alrawas, Reem Alsehnawi	Seismic Performance Assessment of Reinforced Concrete Buildings Using Collapse Fragility Curve	Ali Alrawas
11:45 – 12:00	#10	Ghoson Danhash, Yazan Oudeh , and George Wardeh3	Studying Steel-RAC Bond–Slip Behavior Using Digital Image Correlation	Ghoson Danhash





Seminars Time Table 14/9/2023 Online

(The <u>Chairman</u> ask the presenter to introduce himself / herself in (Name, Scientific degree, Certificate, Work field, Affiliation)

Zoom Link: https://zoom.us/j/96637184547?pwd=RHZEWTBzRTloeHZDTTVIR1MyaUhyQT09 Meeting ID: 966 3718 4547 Passcode: 406701

No. of Session:	Session 5	Name of Session:	Civil Engineering (Computer Room)
Name of Chairman:	Dr. Sherwan M.Z. Izzaddin	Date: 14 / 9 /2023	Time Period: 10:00 am – 11:00 am

Time	Paper ID	Author(s)	Title	Presenter
10:00 - 10:15	#12	Afrah M. H. Kashkool,	E valuating performance in residential complex building projects	Afrah M. H. Kashkool
10:15 - 10:30	#14	Krikar M Gharrib Noori, Younis Mustafa Ali Alshkane, Kamal Ahmad Rashed2	Soft Computing and Statistical Analysis Methods to Forecast the Uniaxial Compressive Strength of Marl Rocks	Krikar M Gharrib Noori
10:30 - 10:45	#27	Maisghassoun, Ghoson Danhash, Firas Almahmoud	An analytical study of the dynamic responses of RC elevated water tanks in Syria under the effect of the February 2023 earthquake	Maisghassoun
10:45 - 11:00	#37	Gaylan M. Mohammed, Shamal Ali Othman	Comparison between lump sum and unit price contracts in construction of residential projects in Kurdistan Region of Iraq - Case study	Gaylan M. Mohammed





Seminars Time Table 14/9/2023 Online

(The <u>Chairman</u> ask the presenter to introduce himself / herself in (Name, Scientific degree, Certificate, Work field, Affiliation)

Zoom Link: https://zoom.us/j/96637184547?pwd=RHZEWTBzRTloeHZDTTVIR1MyaUhyQT09 Meeting ID: 966 3718 4547 Passcode: 406701

No. of Session:	Session 5	Name of Session:	Civil Engineering (Computer Room)
Name of Chairman:	Dr. Sherwan M.Z. Izzaddin	Date: 14 / 9 /2023	Time Period: 11:00 am – 12:15 pm

Time	Paper ID	Author(s)	Title	Presenter
11:00 - 11:15	#6	Ghoson Danhash, Mais Ghassoun, Mayada Kousa, And George Wardeh	Analytical and numerical modeling of plain concrete's post-cracking behavior using a trilinear softening curve	Ghoson Danhash
11:15 - 11:30	#3	Suzan Shabaan,	Evolution of AL-Qusayr Water Purification Plant when Using Different Chemical Work Systems	Suzan Shabaan,
11:30 - 11:45	#2	Lara Edrees and Dr. Mohamad Issa	The Effect of Post-Tensioned Flat Plates on Seismic Behavior of Concrete Structures	Lara Edrees
11:45 - 12:00	#85 1570928128	Nahed Hasan Farhoud, (University of Aleppo, Syria)	Treatment of Waste Water from a Technical Poultry Slaughterhouse Using Up Flow Anaerobic Suspended Sludge Bed Reactor UASB	Nahed Hasan Farhoud
12:00 - 12:15	#42 1570920295	Sayran A. Ibrahim, Khamleen A. Mahmoud, Zahraa Klari and Fawaz Khaleel Aswad (University of Duhok, Iraq)	Trend Analysis for Greater Zab River Time Series at Deralok Station	Sayran A. Ibrahim





First Day (13 September 2023)

Opening Ceremony Link: Zoom Link:https://zoom.us/j/96314209130?pwd=NkVMbkIIVzdmeE5GK0hCanB6SDNqQT09 Meeting ID: 963 1420 9130 Passcode: 118046



10:00 AM (The Opening Ceremony)

Final Day (14, September 2023)

Closing Ceremony Link: Zoom Link:https://zoom.us/j/96724414752?pwd=RWZISFNpdmVTd0tRbXFVb1ZJRmUzUT09
Meeting ID: 967 2441 4752 Passcode: 254144



4:00 PM (The Closing Ceremony)





TOPICS OF INTEREST, BUT ARE NOT LIMITED TO

Track 1: Civil Engineering:

- Structural Engineering
- Transportation Engineering
- Construction Engineering
- Materials Science and Technology
- Earthquake Engineering
- Forensic Engineering
- Geotechnical Engineering
- Coastal Engineering
- Construction Safety and Fire Engineering
- Composite Materials Engineering
- Engineering Management
- Environmental Engineering
- Solid Waste Management
- Environmental Impact Assessment and Mitigation
- Water Supply and Treatment
- Wastewater Treatment
- Air Pollution Management
- Environmental Protection Agency
- Water Resources Engineering
- Hydrology
- Surveying
- GIS and Remote Sensing





Track 2: Architectural Engineering:

- Architecture Engineering
- Municipal or Urban Engineering

Track 3: Electrical and Computer Engineering:

- Electronic and Control Systems Engineering
- Communication and Computer Systems Engineering
- Power Engineering

Track 4: Mechanical Engineering:

- Mechanics
- Power and Applied Mechanics
- Mechatronics and Robotics
- Thermodynamics and Thermo-Science
- Micro Electro-Mechanical Systems (MEMS)
- Friction Stir Welding (FSW)
- Nanotechnology
- Biomechanics
- Computational Fluid Dynamics
- Acoustical Engineering

Track 5: Biomedical Engineering:

Biomedical Engineering





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keynote Speaker International

Prof. Dr. Adil Al-Mayah (University of Waterloo, Canada)

keynote Speaker International

Prof. Pedro Azara Nicolás (ETSAB - UPC Universitat Politècnica de Catalunya, Barcelona (Spain))

keynote Speaker National

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keynote Speaker National

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Head of ICRIE 2023 Organizing Committee

Assistant Prof. Dr. Yaman Al-Kamaki





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