CONFERENCE SCHEDULE

DAY 1 WEDNESDAY, OCTOBER 28, 2026

8:30 A.M.- 9:45 A.M. **REGISTRATION**, Cultural and Academic Center of Salahaddin University-Erbil, (Kirkuk Road, Engineering Campus, Building 6)

Time	Opening Ceremony and Welcome Program
8:30 A.M. - 9:45 A.M.	Registration Desk Open, Cultural and Academic Center of Salahaddin University-Erbil
9:30 A.M. - 10:00 A.M.	Arriving at Kochar Berkar Hall for the Opening Ceremony
10:00 A.M. - 10:45 A.M.	Opening Ceremony
10:45 A.M. - 11:00 A.M.	Coffee Break

DAY 1

SESSION 1

11:15 A.M. - 12:30 P.M. **ROOM 1** **WEDNESDAY, OCT. 28**

CIVIL ENGINEERING

Session Chair: Prof. Dr. Jehan M. Sheikh Suleimany

Time	Paper Title	Presenter
11:15 A.M. - 11:30 A.M.	Thermal and Vegetative Responses to Urban Growth in Semi-Arid Developing Regions.	**Andam Mustafa**
11:30 A.M. - 11:45 A.M.	A Review on Application of Solid Waste Recycled Products in Bioretention Filler Media for Enhanced Pollutant Removal.	**Hewr Gailani Ahmed**
11:45 A.M. - 12:00 P.M.	Comparative Assessment of Meteorological Drought Using SPI and SPEI at Multiple Time Scales.	**Zhian Ahmed**
12:00 P.M. - 12:15 P.M.	Application of DEWATS for Wastewater Treatment in Countryside Area and Reusing as Sustainable Environmental Solution.	**Sarwah Othman Ismael**
12:15 P.M. - 12:30 P.M.	Altun City Hydraulic Channel in Erbil City: Assessment of Current Situations with Sustainable Solutions.	**Rashad Muhammad**
12:45 P.M. - 2:30 P.M	**Lunch**	

DAY 1
SESSION 1

11:15 A.M. - 12:30 P.M. **ROOM 2** **WEDNESDAY, OCT. 28**

ARCHITECTURAL ENGINEERING

Session Chair: Prof. Dr. Faris Ali Mustafa

Time	Paper Title	Presenter
11:15 A.M. - 11:30 A.M.	Repeated Fire Disasters in Erbil's Public Markets: Risk Perception, Preparedness and the Electrical-Safety Gap	**Kasro Kakil Hassan**
11:30 A.M. - 11:45 A.M.	Cultural Landscape Elements in Shaping Local Identity: An Integrated Conceptual Framework for Rwandz City, Kurdistan Region, Iraq	**Yarivan Salim**
11:45 A.M. - 12:00 P.M.	Applying Theory of Planned Behaviour for Assessing Daylight Performance: High-Rise Residential Buildings of Erbil City as a Case Study	**Marwa Aram Omar**
12:00 P.M. - 12:15 P.M.	Solid Waste Recycling Strategies in Higher Education Campuses: A Systematic Review and Evidence-Based Transfer Framework	**Lana Abubekr Ali**
12:45 P.M. - 2:30 P.M	**Lunch**	

DAY 1
SESSION 2

02:30 P.M. - 04:00 P.M. **ROOM 1** **WEDNESDAY, OCT. 28**

CIVIL ENGINEERING

Session Chair: Prof. Dr. Sinan Abdulkhaliq

Time	Paper Title	Presenter
02:30 P.M. - 02:45 P.M.	Experimental Investigation of the Shear Behavior of Concrete Beams Reinforced with BFRP Bars and BFRP Stirrups	**Mahmood Aziz**
02:45 P.M. - 03:00 P.M.	Influence of 24 mm Chopped CFRP Fibres on the Impact Response of Reinforced Concrete Panels	**Hemn O. Hamad Ameen**
03:00 P.M. - 03:15 P.M.	Finite Element Analysis of the Effect of Tendon Profile Layout on the Flexural Strength of Unbonded Post-Tensioned Prestressed Concrete Bridge I-Girders	**Swar Hasib**
03:15 P.M. - 03:30 P.M.	Development of Predictive Models for Compressive Strength of Environmentally Sustainable Self-Healing Concrete	**Payam Ismael Abdulrahman**
03:30 P.M. - 03:45 P.M.	Experimental Investigation of the Punching Shear Performance of Reinforced Concrete Flat Plates with Different Headed Stud Reinforcement Configurations	**Zhavin Mohammed**
04:00 P.M. - 04:15 P.M	**Break**	

DAY 1
SESSION 2

02:30 P.M. - 04:00 P.M. **ROOM 2** **WEDNESDAY, OCT. 28**

ARCHITECTURAL ENGINEERING

Session Chair: Prof. Dr. Salahaddin Yasin

Time	Paper Title	Presenter
02:30 P.M. - 02:45 P.M.	The Role of Building Orientation in Daylight Performance: An Integrated Assessment of Single-Family Houses in Erbil's Hot-Dry Climate	**Suzan Azeez Ahmed**
02:45 P.M. - 03:00 P.M.	Influence of Physical Design Characteristics on Park Occupational Efficiency: Evidence from Sami Abdurrahman Park in Erbil City	**Adeeb Ahmed**
03:00 P.M. - 03:15 P.M.	Smartphone Applications and Urban Transport Efficiency in Smart Sustainable Cities: An Empirical Analysis of Digital Communication and Smart Mobility in Erbil	**Fenk Miran**
03:15 P.M. - 03:30 P.M.	Assessing Smart Urban Growth in Erbil's Residential Areas: A Comparative Assessment of Planned Projects and Established Neighborhoods	**Beri Ghafour**
03:30 P.M. - 03:45 P.M.	Integrated 3D Documentation and Virtual Reconstruction: Preserving Mosul's Endangered Built Heritage	**Abdullah Mohammed**
03:45 P.M. - 04:00 P.M	**Break**	

DAY 1
SESSION 2

02:30 P.M. - 04:00 P.M. **ROOM 3** **WEDNESDAY, OCT. 28**

MECHANICAL AND CHEMICAL ENGINEERING

Session Chair: Prof. Dr. Abdulkader Ali Abdulkader

Time	Paper Title	Presenter
02:30 P.M. - 02:45 P.M.	Intergranular Corrosion Resistance Determination of Friction Welded SDSS SAF2507 Joints Using HUE Test	**Ramadhan Gardi**
02:45 P.M. - 03:00 P.M.	Enhancing Forced Convection Heat Transfer in Thermal Systems: Experimental Analysis of Rectangular Plate Fins Under Variable Airflow Velocities	**Lizan Mahmood Khorsheed**
03:00 P.M. - 03:15 P.M.	Fabrication and Characterization of a Biodegradable PLA/Chitosan/Hydroxyapatite Composite for Bone Fixation Applications	**Nabaa Ali**
03:15 P.M. - 03:30 P.M.	**Break**	

DAY 1

SPECIAL SESSION

02:30 P.M. - 04:30 P.M. KOCHAR BERKAR HALL WEDNESDAY, OCT. 28

SUSTAINABLE CONSTRUCTION, INDUSTRY, AND RESOURCE MANAGEMENT

Session Moderator: Dr. Rojgar Qarani Ismael

Time	Paper Title	Presenter
02:30 P.M. - 02:40 P.M.	Introduction to the Panel and Opening Remarks	**Siham Musheer**
02:40 P.M. - 02:55 P.M.	Environmental Impacts of the Oil and Gas Industry: From Gas Flaring to Waste Management	**Dr. Shara Kamal Mohammed**
02:55 P.M. - 03:10 P.M.	Natural Gas Infrastructure and Clean Energy Development: Opportunities for a Sustainable Energy Future	**Dr. Hawre Ghazi Hussein**
03:10 P.M. - 03:25 P.M.	Engineering Optimization as a Pathway to Sustainable Industrial Development	**Eng. Sasan Hanna Kika**
03:25 P.M. - 03:40 P.M.	Energy-Efficient Buildings: Integrating Architectural Design, Renewable Energy, and Sustainability	**Dr. Hardi Khairullah Abdullah**
03:40 P.M. - 04:20 P.M.	Panel Discussion	
04:20 P.M. - 04:25 P.M.	Closing Remarks	
04:25 P.M. - 04:30 P.M.	Networking and Coffee	

DAY 2
SESSION 3

09:00 A.M. - 10:30 A.M. **ROOM 1** **THURSDAY, OCT. 29**

CIVIL ENGINEERING

Session Chair: Prof. Dr. Haval AbdulJabbar Sadeq

Time	Paper Title	Presenter
09:00 A.M. - 09:15 A.M.	Feasibility Assessment of a Construction and Demolition Waste Recycling in Erbil City.	**Shamal Othman**
09:15 A.M. - 09:30 A.M.	A Conceptual GNSS-RTN Framework for Enhancing Transportation Management in Erbil City	**Helen Smail**
09:30 A.M. - 09:45 A.M.	Economic Value of Flood Control via Constructed Ponds in Erbil Province: Protecting Lives, Property, and Infrastructure	**Khalat Khalid**
09:45 A.M. - 10:00 A.M.	Assessment of Climate Change Impacts on Water Resources in Iraq Using GIS and Remote Sensing	**Pshtiwan Zaid**
10:00 A.M. - 10:15 A.M.	Fusion of Photogrammetric and LiDAR Point Clouds for Smartphone-Based Terrestrial 3D Mapping	**Rojgar Ismael**
10:15 A.M. - 10:30 A.M	**Break**	

DAY 2

SESSION 3

09:00 A.M. - 10:30 A.M. **ROOM 2** **THURSDAY, OCT. 29**

ELECTRICAL AND SOFTWARE ENGINEERING

Session Chair: Prof. Dr. Diary Rauf Sulaiman

Time	Paper Title	Presenter
09:00 A.M. - 09:15 A.M.	Dynamic Motion Resolution for Reactive Mobile Robot Navigation in Constrained Environments	**Ahmed Ahmed**
09:15 A.M. - 09:30 A.M.	Resilient Stochastic Predictive Control for Residential PV-Battery Systems: An Erbil City Case Study	**Fadhil Aula**
09:30 A.M. - 09:45 A.M.	Zero Crossing Detection Using Only One Active Element and its Application to Time Marker Generator	**Amira Ramzi**
09:45 A.M. - 10:00 A.M.	New Simple CMOS Realization of Current Follower Transconductance Amplifier and Its Application	**Azad N. Abdulla**
10:00 A.M. - 10:15 A.M.	Performance Enhancement of High-Speed Optical Communication System Using Volterra Nonlinear Equalizer	**Safa Jabbar Mohammed**
10:15 A.M. - 10:30 A.M	**Break**	

DAY 2

SPECIAL SESSION

09:00 A.M.-11:35 A.M. **CULTURE CENTER** **THURSDAY, OCT. 29**

ARCHITECTURE IN THE ERA OF AI

Session Moderator: Asst. Prof. Dr. Lana Abubakr Ali

Time	Paper Title	Presenter
09:00 A.M. - 09:15 A.M.	Introduction to the Special Session and Opening Remarks	**Dr. Hawar Himdad J.**
09:20 A.M. - 09:35 A.M.	Generative AI in Architectural Education	**Dr. Fenk Dlawar**
09:35 A.M. - 09:50 A.M.	AI and Architecture in Business and Practice	**Eng. Sarkawt Ibraheem**
09:50 A.M. - 10:05 A.M.	The Future of Architecture in the Age of AI	**Dr. Salahaddin Yasin Baper**
10:05 A.M. - 10:20 A.M.	The Impact of Artificial Intelligence on Architecture Students: Insights from University Teaching and Observation	**Noman M. H. Bayaty**
10:20 A.M. - 11:20 A.M.	Panel Discussion	
11:20 A.M. - 10:35 A.M.	Closing Remarks	
10:35 A.M. - ONWORDS	AI Project Gallery Exhibition and Coffee Break	

DAY 2

SESSION 4

11:00 A.M. - 12:30 A.M. **ROOM 1** **THURSDAY, OCT. 29**

CIVIL ENGINEERING

Session Chair: Prof. Dr. Dilshad Kaksor Jaf

Time	Paper Title	Presenter
11:00 A.M. - 11:15 A.M.	Load–Settlement Behavior of Soft Soil Reinforced with Woven and Non-Woven Geotextile Stone Columns	**Nazik Falah**
11:15 A.M. - 11:30 A.M.	Unconfined Compressive Strength and Microstructural Analysis of Soft Soil Stabilized with Nano-Alumina (Al2O3)	**Gulistan Ali**
11:30 A.M. - 11:45 A.M.	Real-Time Prediction of In-Place Concrete Compressive Strength Using SmartRock Wireless Maturity Sensors for Optimized Formwork Removal	**Muhammad Omer**
11:45 A.M. - 12:00 P.M.	Waste-to-Resource Recovery in Higher Education: Solid Waste Quantification, Economic Value, and Efficiency at Salahaddin University-Erbil	**Sarwah Othman Ismael**
12:00 P.M. - 12:15 P.M.	Rainwater-Harvesting Ponds in Sulaymaniyah, Iraq: Cost-Effectiveness and Benefits	**Yousif Aziz Ahmad**
12:15 P.M. - 12:30 P.M.	GIS-Based Multi-Criteria Decision Analysis for Fire Station Site Selection: A Review	**Khanda Ahmed Hamad**
12:30 P.M	**Lunch**	

DAY 2

SESSION 4

11:00 A.M. - 12:30 A.M. **ROOM 2** **THURSDAY, OCT. 29**

ELECTRICAL AND SOFTWARE ENGINEERING

Session Chair: Prof. Dr. Fadhil Toufick Aula

Time	Paper Title	Presenter
11:00 A.M. - 11:15 A.M.	Machine Learning for Power Output Forecasting and Performance Monitoring in Gas Turbines, Steam Turbines, and Power Plants: A Review and Proposed Lifecycle Framework	**Asaad Saber Ameen**
11:15 A.M. - 11:30 A.M.	A New Strategy for Website Link and Resource testing based on Graph Division and Test Optimization with Cuckoo Search	**Moayad Potrus**
11:30 A.M. - 11:45 A.M.	Comparative Environmental Analysis of Local Diesel Generator and the Runaki National Grid Project: A Case Study in Erbil City	**Asmahan Yaseen**
11:45 A.M. - 12:00 P.M.	Accurate Conflict Detectors Fail at Intent Resolution: Boundary Awareness and Repair-Aware Training in SDN	**Shaho Hassen**
12:00 P.M. - 12:15 P.M.	Solar-Powered Water Treatment for Sustainable Water Security and Microbial Safety: A Critical Review of Desalination, Disinfection, and Smart Monitoring Technologies	**Sameer Saadoon Algburi**
12:30 P.M	**Lunch**	