

<b>7:45-8:00 UTC+1</b>	
<b>Opening keynote – Firas Al-Mahmoud</b>	
<b>8:00-9:30 UTC+1</b>	<b>Speaker</b>
<b>Composite Structures and Composite Materials (Moaid Subh Syria and Fabio Rizzo, Italy)</b>	
Analysis and design of biaxially eccentrically loaded recycled aggregate reinforced concrete columns Bushra Alakkari, Soleman Al Amodi	Bushra Alakkari , Al-Wataniya Private University, Syria.
Analysis of printing parameters in digital concrete using blended cements. Paloma Funes-García, Sindy Seara-Paz, Belén González Fonteboa, Fernando Martínez-Abella	Paloma Funes- University of A Coruna, Spain
Effect of H2Foam Foamed Agent and Silica Fume on Physical and Mechanical Properties of Cement-Based Mortar Hana A.S. Aljewifi and Hussein S. Soluman	HANA ALJEWIFI, Omar Al-Mukhtar University, Libya.
Efficiency of L-shape multi-cell concrete-filled steel tubular columns under axial compression Reem Zayat, M. Bassam Kanjo	Reem Zayat, University of Aleppo, Syria
Enhancement the structural performance of reinforced concrete beams sections using CFRP and metal tubes: design and analysis. Waleed Suliman	Waleed Suliman, AL-Wataniya Privat University, Syria
Enhancing Tensile Behavior of PP- Fiber Reinforced ECC Mehar Ali, Jahangir Ahmad, Sultan Arshid, Mohammad Hasnat Akbar Khan	Mehar Ali, University of Engineering and Technology, Pakistan.
<b>9:45-11:15 UTC+1</b>	<b>Speaker</b>
<b>Composite Structures and Composite Materials (Salih Ahmad, Sudan and Izabela Drygala, Poland)</b>	
Experimental Investigation of GFRP Rebars and Hybrid Fibers on the Flexural Behavior of Concrete Beams R Rajkumar, C Arunkumar, C Dharanidharan	R Rajkumar, SRM Institute of Science and Technology, India
Influence of polypropylene and sugarcane fibers on the mechanical properties of Normal concrete <i>Hafiz Muhmmad Nouman Khan, Rana Muhammad Waqas, Muhammad Rameez Sohail, Ali Akhtar</i>	Hafiz Muhmmad, University of Engineering and Technology, Pakistan
Investigation on the Moment-Curvature Relationship in GFRP Reinforced Concrete Beams Nazar Oukaili, Abbas Allawi, Abdulmutalib Said, Amjad Albayati, Musa Issa, Teghreed Ibrahim, George Wardeh, Ihsan Alshaarba	Nazar Oukaili, University of Baghdad, Iraq
Mesoscopic Study of Composite Concrete with Recycled Aggregates Using PI- Distribution Method Meryem Charef , Nabil Kazi Tani , Hasan Dilbas	Meryem CHAREF, Aboubekr Belkaid, Algeria
Effect of Alccofine on the Strength and Durability properties of Fly Ash Cenosphere Concrete Kowsalya M, Sindhu Nachiar S, Anandh S	Kowsalya M SRM, India
Studying the effect of providing seismic base isolation to an irregular structure Fida Shureki	Fida Shureki, Al-Wataniya Private University, Syria

<b>11 :30-13:15 UTC+1</b>	<b>Speaker</b>
<b>Composite Structures and Composite Materials (Samer Suleiman, Syria and Maria Francesca Sabbà, Italy)</b>	
Optimizing Compressive Strength in PP Fiber-ECC Mehar Ali, Sultan Arshid, Muhammad Adeel Raza, Abdul Rehman	Mehar Ali, University of Engineering and Technology, Pakistan
Optimizing Foam Concrete Performance: Enhancing Sustainability through Coarse Aggregate and Silica Fume Incorporation Siva Nanda Reddy Y, Anandh S, Sindhu Nachiar S	Siva Nanda Reddy Y, SRM Institute of Science and Technology, India.
Physical and mechanical properties of sustainable lightweight concrete made from pozzolanic aggregates Jamal Omran, Ali Kheirbek, Moustafa Wassouf	Moustafa Wassouf, Latakia University, Syria.
Predicting Load-Carrying Capacity of FRP-Confined CFST Columns through Artificial Neural Networks Mehar Ali, Sultan Arshid, Ali Raza, Tayyab Bilal	Mehar Ali, University of Engineering and Technology, Pakistan
Structural Response of Post-Tensioned Slabs Reinforced with Forta-Ferro Under Impact Load Sandy Chaaban, Yehya Temsah, Mohamad Darwiche	Sandy Chaaban, Beirut Arab University, Lebanon.
Studying The Behaviour of Tensile Structures In The Shape Of A Trunk-Cone Using The Finite Element Method Aleen Maanna, Samer Sliman, Chakib Sattouf	Aleen Maanna, Tartus university, Syria
The Relationship between Elastic-Plastic Behavior of the Rip Plate and Rip - To - Deck Weld Root Performance in Steel Orthotropic Bridge Decks Hanan Akkad, Abdul Qader Melhem	Hanan Akkad, University of Aleppo, Syria.
<b>13 :30-14 :45 UTC+1</b>	<b>Speaker</b>
<b>Risk management models for sustainable smart cities (Shilpa PAL, India and Mohamad Shaban, Syria)</b>	
Enhancing Earned Duration Index Predictions: A Fuzzy Inference System Approach Ali Ahmad, Fayz Jrad, Samah Makia	Ali Ahmad, Latakia University, Syria.
Enhancing Risk Management in Indian Construction Contracts: A Survey-Based Analysis of Drafting Factors and Influences for sustainable smart cities. Hemanth Sai Kalyan B, Anandh S, Sindhu Nachiar S, Tamizharasu S	Hemanth Sai Kalyan B , SRM Institute of Science and Technology, India
Flood Risk assessment caused by Sea Level Rise using GIS-AHP Solution: A case study from Lattakia city, Syria Venus Ibrahim, Mounzer Hammad, Muhammad Duraid Alaa Eddin	Venus Ibrahim, Latakia University, Syria.
Indexing of Risk Factors Affecting the Golden Triangle of Time, Cost, and Quality in Construction Projects in Developing Countries: A Case Study of Lebanon Olivia Kalakesh, Walid Shatila, Ali Hatoum	Olivia Kalakesh, , Beirut Arab University, Lebanon.
Project Performance Diagnostic: A Model for Assessing Construction Project Performance Victor ISAAC, Ifeyinwa Obianyo, Abubakar Dayyabu, Anthony Muoka, Adebisi Bamgbade, Abdulhameed Danjuma Mambo	Victor ISAAC, Nile University of Nigeria, Nigeria

<b>8:00-9:30 UTC+1</b>	<b>Speaker</b>
<b>New techniques in retrofitting (Abdelmalik Goufi, Algeria and Sandeep Singla, India)</b>	
Control of the Compressive Strength of Geopolymer Cements Using Peanut Shells Berthelot SOP TAMO, Jean Baptiste Tarkwa, Dimitri NJITACK TAMO, Leonel Noubissié Tchadjé, Luc Leroy MAMBOU NGUEYEP, Paulin Yontchou Kammi, Jean Marie Bienvenu NDJAKA	Berthelot SOP TAMO, University of Ngaounda, Cameroun.
Study on Mechanical Properties of High-Performance Concrete Using Waste Badminton String Fibers Kumaresan M, Sindhu Nachiar S, Anandh S	Kumaresan M SRM, India
Physical and mechanical studies of alkali-activated binders based on natural pozzolan and low clinker content Nourredine Goufi, Nouria Kaid, Rachida IDIR	Nourredine Goufi, University Of Sciences and Technology – Oran,ALgeria
Quantifying Labor Productivity Using A Multiple Linear Regression Approach Faiq Al-Zwainy, Rana Zaki, Muhammad Ali Musarat, Abu Elnasr E. Sobaih, Ibrahim A. Elshaer, Aseel Obaid, Mazin Sarhan, Ali A. Eiada	Faiq Al-Zwainy, Al-Nahrain University, Iraq
Reuse of End-of-Life Tyres for Eco-Sustainable and Earthquake-Resistant Plasters: Experimental Activity and Numerical Analysis Applied to the Case Study of a School Building Emilia Meglio, Antonio Formisano	Emilia Meglio, University of Naples Federico II, Italy
Formulation and characterization of an eco-concrete: Incorporation of resources with a low environmental footprint Hadjer Bouchenak Khelladi, Hafida Marouf, Zohra Dahou	Hadjer Khelladi University Belhadj Bouchaib, Algeria
<b>9:45-10:30 UTC+1</b>	<b>Speaker</b>
<b>Water treatment (Ruba Al-Saeed Syria, Heba Aljaddou, Syria)</b>	
Evaluation of Groundwater Availability and Usage in Zakho: A Study Based on Well Data Diman Jaqsi, Sevar Dilkhaz	Diman Jaqsi, University of Zakho, Iraq.
The effect of using aluminum sulphate and aloe vera to improve some water specifications Amira Muhammad Al-Ahmad	Amira Mohamad alahmad, University of Aleppo, Syria.
Treatment of Dairy Factory Wastewater by Electrocoagulation Using Aluminum Electrodes Ahmed Teffash, Amira Mohammed Al-Ahmad, Nawzat Al-Nabghali	Ahmad Taffash, University of Aleppo, Syria.
<b>10:45-12:15 UTC+1</b>	<b>Speaker</b>
<b>GIS Solutions for civil Engineering (Iyad Abbas, syria and Deya Qtaihat, Jordan)</b>	
GIS, RS applications in determining the priority of sub-basins based on geomorphometry for soil and water conservation. Case study: Al-Ghamqa Basin - Tartous – Syria Tamadour Alibrahim, Amer Aldarwish	Tamadour Alibrahim, Wataniya Private University, Syria.
Modeling the spatial distribution of nitrate in western Homs orchards using GIS Safaa Aldeeb	Safaa Aldeeb, Wataniya Private University, Syria
Developing a Methodology for Studying Land Subsidence Based on Stanford Method For Persistent Scatterers (StaMPS) Using Sentinel-1 SAR Images.	Dareen Nofl, Al- Wataniya Private University, Syria.

Dareen Nofl, Hanan Darwishe, Fadi CHAABAN	
Multicriteria Analysis for Assessment of Flood Risk Areas Using Remote Sensing, Geographic Information System and Analytic Hierarchy Process: A Case Study of Kaduna State Ibrahim Usman Lawal, Abubakar Dayyabu, Ifeyinwa Ijeoma Obianyo, Akeem Amuda, Anthony Muoka	Ibrahim Usman Lawal, Nile University of Nigeria,
Spatial Modeling Using Fuzzy AHP and GIS for Optimal Real Estate Development Site Selection: A Case Study in Tartus Governorate , Syria. Thouraya SHAHOOD, Fadi CHAABAN, Iyad ABBAS	Thouraya SHAHOOD, Latakia University, Syria
Assessing the landslide susceptibility hazards in Al-Khawabi river basin using frequency ratio (FR) and geographic information system (GIS) Hazem Ghassan Abdo	Hazem Abdo, Tartous University, Syria.
<b>12:30-14:00 UTC+1</b>	<b>Speaker</b>
<b>Structural rehabilitation, retrofitting and strengthening (Sheelan Hama, Iraq and Pierre Matar, Lebanon)</b>	
A decision-making methodology for assessing the repairability of damaged building Shaza Mousa, Fayeze Jrad, Ali Kheirbek	Shaza Mousa , Latakia University, Syria.
Comparison of Textile-Reinforced Mortar and Ferrocement in Torsional Strengthening of RC Beams Using Finite Element Analysis Roula Taha, Ihssan Tarsha, Muneeb AL alaaf	Roula Taha, Homs University, Syria.
Exploring the Effectiveness of Ferrocement in Restoring Properties of Fire-Damaged Concrete Slabs (An Experimental and Numerical Study) Ranin Aldarf, Abdulkader Al-joundi, Muneeb Alalaf, Abdulrazak Salem	Ranin Aldarf, Al-Wataniya Private University, Syria.
Improvement of the mechanical characteristics of Semi-Rigid Roller Compacted Concrete (SR-RCC) by the use of the hydrocarbon binder ZDIRI Mustapha, BEN OUEZDOU Mongi, NEJI Jamel, ABRIAK Nor-Edine	ZDIRI Mustapha, University of Tunis El Manar, Tunisia
Performance of shear deficient ferrocement reinforced concrete beams with different bond and mesh types Mohammad Aldroubi, Muneeb AL alaaf	Mohammad Aldroubi, Homs University, Syria.
Progressive Collapse Analysis of RC Building Against External Blast Husam Mohammad, Hala HASAN	Husam Mohammad, HIESR, Syria.
<b>14:15-15:45 UTC+1</b>	<b>Speaker</b>
<b>Structural rehabilitation, retrofitting and strengthening (N. Umamaheswari, India and Maria Ghannoum, Lebanon)</b>	
Retention rate and residual mechanical properties of UHPC incorporating waste glass powder at elevated temperature Sevar Dilkhaz, James Haido, George Wardeh	Sevar Dilkhaz Salahaddin, University of Zakho, Iraq.
Retrofitting existing RC building with eccentric steel bracing Jihad Sobaih, Hala Hasan, Riad Alissa	Jihad Sobaih, Damascus University, Syria.
Seismic Vulnerability Assessment and Retrofit of Masonry Factories: A Case Study of Industrial Archaeology in Naples Giovanna Longobardi, Antonio Formisano	Giovanna Longobardi, University of Naples "Federico II", Italy
Strengthening the Reinforced Concrete Beams with Openings Using steel plates subjected to Static and Cyclic Loads Lujain Mohummed, Baylasan Mohamad	Lujain Mohummed, Hama University, Syria.
The effect of changing the concrete gravity dam's base angle with the horizon on the stability of the structure Mydean Nout, Mounzer Hammad	Mydean Nout, Latakia University, Syria.

The role of artificial intelligence in risk management at Cultural Heritage sites Hmeedy Sondos	Hmeedy Sondos, Damascus University, Syria.
<b>16:00-17:00 UTC+1</b>	<b>Speaker</b>
<b>Seismic protection and adaptive systems (Priyank Singh, India and Armando La Scala, Italy)</b>	
Development of Enhanced Guidelines for Vibration Period Estimation in RC Hilly Buildings: Impact of Story Count and Associated Earthquake Vulnerability Prateek Roshan, Shilpa Pal	Prateek Roshan, Delhi Technological University, India.
Effectiveness of the Core-Outrigger System In Super-Tall Buildings Under High Seismic Loads And High Wind Loads Reem Khartash	Reem Khartash, Al Furat University, Syria.
Effect of Column Load on Exterior Concrete Beam-Column Joint Strengthened Ammar Fejlat, Mohammad Issa, Abdul-Karim Al-Jerf	Ammar Fejlat, Homs University, Syria
Non-Linear Analysis of Composite Steel-Concrete Beam with Web Openings Sheik Mastan, ANANDH S, Sindhu Nachiar S	Sheik Mastan SRM, India

<b>8:00-9:15 UTC+1</b>	<b>Speaker</b>
<b>Nonlinear modelling of materials and structural behavior (Nazar Oukaili, Iraq and Dalia Najjar, Syria)</b>	
Comparison Between Analytical Models for Predicting the Long-Term Behavior of Cracked Reinforced Concrete Beams Bassel Bakleh, George Wardeh, Hala Hasan, Ali Jahami	Bassel Bakleh, Higher Institute of Earthquake Studies and Research, Syria
Dynamic Response Analysis of Reinforced Concrete Highway Bridges Under Moving Traffic Load Khyati Saggu, Kiran Chholak	Khyati Saggu, Delhi Technological University, India
Effect of Synthetic Earthquakes on Linear and Nonlinear Response of Frame Building Rania Al-Ahmar, Mayada Al Ahmad Al Kousa, George Wardeh	Rania Al-Ahmar, Higher Institute of Earthquake Studies and Research, Syria
Evaluation of progressive collapse in RC building subjected to partial shear wall removal according to Unified Facilities Criteria (UFC) recommendations Hasan Abdulhadi, Bassam Hwija, Khudr Alhaj	Hasan Abdulhadi, Latakia University, Syria
An Analytical Study of Hybrid Reinforced Concrete Columns on Combined Bending Nour ALhuda ALkhalil, M. Bassam Kanjo	Nour ALhuda ALkhalil, University of Aleppo, Syria
<b>9:30-10:45 UTC+1</b>	<b>Speaker</b>
<b>Nonlinear modelling of materials and structural behavior (Reem Alsehnawi, Syria and Tammam Bakeer, Germany )</b>	
NON-LINEAR BEHAVIOR OF RC BEAM-COLUMN JOINTS: COMPARISON OF MULTIPLE NUMERICAL MODELING APPROACHES Teklewoin Haile Fitwi, Giovanna Xotta, Flora Faleschini	Teklewoin Haile Fitwi, University of Padova, Italy
Study the behavior of ground-supported cylindrical tanks considering the soil structure interaction using finite element method FEM Abdulmoaen Roukaya, Hala Hasan, Mohamad Khir Abdul-wahed	Abdul moaen Roukaya, Higher Institute of Earthquake Studies and Research, Syria
Optimizing Seismic Protection for High-Rise Structures: Comparative Analysis of Anti-Seismic Systems Hussein Mouzannar, Ali Hatoum, Zaynab Tarhini, Mouhsein Al-Mackhour, Mohammad Ali Khalifeh	Hussein Mouzannar, Al Maaref University, Lebanon
Studying the non-linear bond behavior of steel rebar-concrete experimentally and numerically Ghosen Danhash, George Wardeh	Ghosen Danhash, Homs University, Syria
Wind Load Optimization on Multi-Span Mono-Slope Roofs of Low-Rise Buildings using CFD Simulation Deepak Sharma, Ritu Raj, Shilpa Pal	Deepak Sharma, Delhi Technological University, India
<b>11:00-12:45 UTC+1</b>	<b>Speaker</b>
<b>Waste management and reuse (Mustapha Zdiri, Tunisia and Razan Al-Zein, India)</b>	
Modeling Cadmium-Contaminated Soil Washing and Sequential Extraction of Cadmium Forms Marah Eskandar, Naema Ajeeb, Sameer Shamsham, Alaa Khallouf, Ghoson Danhash	Marah Eskandar, Homs University, Syria
Modeling of clogging process in subsurface flow constructed wetlands Abdulhakim Bannoud, Rawda Kal, Fatimeh Jarra	Rawda Kal, Aleppo university, Syria



Predicting the Mechanical Properties of Recycled Aggregate Concrete: Insights from Fractal Theory Soumia Kheira Sebsadji	Soumia Kheira SEBSADJI, University of Sciences and Technology of Oran, Algeria
Quality Management as a Tool to Minimize Construction Waste Towards a Sustainable Built Environment: The Consultants' Perspective Buhari Saulawa Shehu, Ifeyinwa Ijeoma Obianyo, Abubakar Dayyabu, Amuda Akeem, Abdulhameed Danjuma Mambo	Buhari Saulawa Shehu, Nile University of Nigeria, Nigeria
Using Artificial intelligence techniques in predicting some properties of environment-friendly cementitious blocks produced for the reconstruction phase of Syria Alsaleh Fatimah, Mohammad Bassam Hammami, George Wardeh, Feras Al Adday	Alsaleh Fatimah, University of Aleppo, Syria
Effect of glass powder on concrete compressive strength, slump and water adsorption Heba Aljaddoua, Ruba Alsaeed, Manar Takla, Diala Shihab	Heba Aljaddoua, Al-watanyia Private university, Syria
Sustainable Eco-friendly mortar mixed with non-treated Alum Sludge powder Abdulkader Aljound, Ruba Alsaeed, Bassam Alaji, George Wardeh	Ruba Alsaeed, Al-watanyia Private university, Syria
<b>13:00-14:00 UTC+1</b>	<b>Speaker</b>
<b>Bio-based Structures and Materials (Marianne Saba, Lebanon and Anwar Khitab, Pakistan)</b>	
Can Spent coffee ground be used in cementitious system? Rawan Ramadan, Jamal Khatib, Hassan Ghanem, Joseph Assaad, Hilal El-Hassan, Adel Elkordi	Rawan Ramadan, Beirut Arab University, Lebanon
Experimental Study on Geopolymer Paste and Mortar Produced Using Natural Syrian Pozzolan Layal KHEIRBEK ; Ali KHEIRBEK; and Firas ALMAHMOUD	Ali KHEIRBEK, Latakia University, Syria
Performance Studies of High Strength Fibrous Concrete Pavement Incorporating Wollastonite and Bagasse Ash Kiran Chholak, Khyati Saggu	Kiran Chholak, Delhi Technological University, India
Feasibility study of 100% vegetable-based construction material containing grape seeds, with low environmental impact Amna Raffaoui, Katiba Mezreb, amar benazzouk, Haikel Ben Hamed, Segni Oueslati Fakhreddine	Amna Raffaoui University of Tunis-Almanar, Tunisia
<b>14:15-15:45 UTC+1</b>	<b>Speaker</b>
<b>Waste management and reuse (Fatima Alsaleh, Syria and Hani Mostefa, Algeria)</b>	
Comparative Life Cycle Assessment of Student Residential Buildings in Madagascar Andrianirina Mamy Rakotomalala, Mino Patricia RANDRIANARISON, Damien FAKRA, Marie Hanitriniaina RATSIMBA, Bienvenue RAHELIARILALAO, Rijalalaina RAKOTOSAONA	Andrianirina Mamy Rakotomalala University of Antananarivo, Madagascar
Clayey nature powders “ Evaluation of cementitious performance as alternative and eco-efficient SCM” Manuel Rosales, Santiago Moreno, Julia Rosales, Francisco Agrela, Díaz José Luis	Manuel Rosales, University of Cordoba, Spain
Diabase sludge: a new eco-friendly waste for its use in cement-based mortar M <sup>a</sup> Concepción Pacheco Menor, Inês Flores-Colen, Jorge De Brito	Ma <sup>a</sup> Concepcion Pacheco Menor, Universidade de Lisboa, Portugal.

Influence of bentonite and basalt fibers on high calcium fly ash based geopolymer concrete Habib ur Rehman, Rana Muhammad Waqas, Raja Muhammad Tassadiq, Zaigham Ali, Sameer Ali	Habib ur Rehman, , University of Engineering and Technology, Pakistan
Enhancing the Properties of Mixed Recycled Aggregate Using Silane Polymer Coating Treatment and its Concrete Performance Evaluation Anmol Basnett, Anandh S, Sindhu Nachiar S	Anmol Basnett SRM, India
Use of solid waste and supplementary cementitious material to produce green concrete-A review Iman Hakamian, Omid Bamshad, Mohsen Ali Shayanfar	Iman Hakamian, University of Tehran, Iran







#### Room 4 (Sunday February 23<sup>th</sup> 2025)


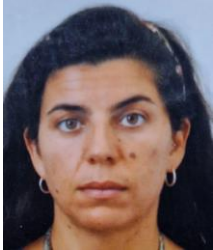
<b>8:00-9:15 UTC+1</b>	<b>Speaker</b>
<b>Building Information Modelling (BIM) technology (Mustafa Badrah, Syria and Madonna Beshara Syria)</b>	
A BIM-based approach to building deconstruction assessment Zeen Hindawi, Lama Saoud	Zeen Hindawi, Syrian Virtual University, Syria.
A BIM-based probabilistic approach for risk assessment in construction projects Heba Aldbs, Fayez Jrad, Lama Saoud	Heba Aldbs, Latakia University, Syria.
Automating Information Retrieval from nD-BIM Model Utilizing Natural Language Processing (NLP) George Haddad, Jamal Omran	George Haddad, Latakia University, Syria
Decision-making in the control of shrinkage strains produced in real-scale walls using Building Information Modelling (BIM) André Garrido-Iglesias, Blas Cantero, Juan Luis Pérez-Ordóñez, Belén Belén González Fonteboa	André Garrido-Iglesias, University of A Coruna, Spain
Defining and measuring indicators of quality culture maturity in the construction sector in Syria Alaa Shekh Mohamad, Bassel Al-Hassan, Mohamed Shaban	Alaa Shekh Mohamad, Homs University, Syria
<b>9:30-10:45 UTC+1</b>	<b>Speaker</b>
<b>Building Information Modelling (BIM) technology (Ibrahim Alhammad, KSA and Faiq Al-Zwainy, Iraq)</b>	
Dynamic Construction Site Layout Planning Optimization Using Genetic Algorithms Rahaf Darwish, Fayez Jrad	Rahaf Darwish, Latakia University, Syria.
IDENTIFICATION OF RESOURCE MANAGEMENT FACTORS AND ASSESSMENT OF THEIR IMPORTANCE IN CONSTRUCTION PROJECTS - CASE STUDY IN SYRIA Banan Sakhtah, Rana Maya, Jamal Amran	Banan Sakhtah, Latakia University, Syria.
Identifying Green Building Life Cycle Cost Drivers to Enhance Sustainability: A Systematic Review Using PRISMA Heba Jbara, Rana Maya	Heba Jbara, Latakia University, Syria.
Improving the Risk Management of Bridge Projects Using Building Information Modeling Hussien Salim, Fayez Jrad, Rana Maya	Hussien Salim, Latakia University, Syria.
Developing a methodology for managing change orders in construction projects using BIM & Cloud computing Mohamed Shaban	Mohamed Shaban, Homs University, Syria
<b>11:00-12:15 UTC+1</b>	<b>Speaker</b>
<b>Geotechnical engineering (Faten Alsakr, Syria and Zina Dawood, Iraq)</b>	
Experimental study on the use of sand treated with wax as a landfill lining material Dima Nabhan Salameh	Dima Nabhan Salameh, , Tartous University, Syria
Lime Treatment of High Plasticity Dredged Sediments from Gargar Dam Fouzia BENHADJ ZIANE, Abdelmoumen Alaa Eddine DRISS, Mohamed GHRICI	Benhadj Ziane Fouzia, University of Chlef, Algeria.
Simplified Economic Design Method for Pile-Raft of Tower Thara'a Mubarak	Thara'a Mubarak, Latakia University, Syria.

Strength Development of Algerian Clay Soil by Lime and Natural Pozzolana Addition Abdelmoumen Aala Eddine DRISS, Anfal Rihab Cheriet, Fouzia BENHADJ ZIANE, Mohamed Ghrici	Abdelmoumen Aala , Talmasan university, Algeria.
Monotonic and cyclic behavior of granulated rubber sand mixture by using a hollow cylinder apparatus Ali Ahmad, Kazem Fakharian	Ali Ahmad, Higher Institute of Earthquake Studies and Research, Syria
<b>12:30-13:45 UTC+1</b>	<b>Speaker</b>
<b>Geotechnical engineering (Ammar Alnmr, Hungary and Dima Salameh, Syria)</b>	
Upgrading Soil Beneath Existing Shallow Foundations Using Geogrid: A Numerical Study Ahmad Alkhatib, M.Bassam Kanjo, Dalia Najjar	Ahmad Alkhatib, University of Aleppo, Syria
USING GEO-STUDIO MODELING TO ANALYZE SETTLEMENTS AND STRESSES AND THEIR EFFECT ON THE SAFETY FACTOR IN DIRT ROAD BACKFILLS AND SUGGESTING APPROPRIATE REINFORCEMENT METHODS Samar Aude	Samar Aude, University of Kalamoon, Syria
Using regression analysis to determine the correlation between the compression index and the physical soil parameters of Homs's soil Majd Almahmoud	Majd Almahmoud, Al- Wataniya Private University, Syria
The Effects of Use Misurata City's EAF Slag as a Partial Cement Replacement on Alkali-Activated Mortar Hana Aljewifi	HANA ALJEWIFI, Omar Al-Mukhtar University Libya.
Three-Dimensional Numerical analysis of Railway Ground Vibrations Induced by Track Irregularities with Special References to Underlying Soil Stiffness Mohannad MHANNA	Mohannad MHANNA, Latakia University, Syria.
<b>14:00-14:45 UTC+1</b>	<b>Speaker</b>
<b>Sustainable transportation (Firas Barraaj , Lebanon and Shireen Al Suleiman, Spain)</b>	
Evaluation of the Parent Rock as a Source of Ballast Material for the Construction of Railways Ifeyinwa Obianyo, Maude Abubakar-Sadiq, Musa Kolo, Sanusi Abdulganiyu, Sylvia Echezona Kelechi, Azikiwe Peter Onwualu	Ifeyinwa Obianyo, , Nile University of Nigeria, Nigeria.
Proposed Preventive Accident Measures for the Jabi Bypass Abuja, Nigeria Eme Orok-anwan Noel Effiong, Abubakar Dayyabu, Ifeyinwa Obianyo, Akeem Amuda	Eme Orok-anwan Noel Effiong, Nile University of Nigeria, Nigeria.
Repetitive effect of Traffic on the Particle size distribution of 0/25 recycled crushed Gravel for reuse as a Pavement base layer Sylvain Ndinga Okina	SYLVAIN NDINGA OKINA, Ecole Nationale Supérieure Polytechnique Kongo

<b>15:00-16:00 UTC+1</b> <b>Waste management and reuse (George Wardeh, France and Sevar Dilkhaz, Iraq)</b>	<b>Speaker</b>
Improving the Fresh and Hardened Properties of SIFCON Based on Various Percentages of Fibres Abdullah H. Al-Rekabi	Abdullah H. Al-Rekabi, University of Qadisiyah, Iraq.
The influence of the conservation mode on the effectiveness of Bio-Admixture based on Biomass Ilham Aguida BELLA, Zakaria ZOUAIDI, NABIL BELLA	Ilham Bella, Bechar University, Algeria.
Assessment of rubber-based self-compacting sand concrete from recycling waste tires Nouria KAID, Nourredine GOUFI, Faisal Abderahman Hashem SALEH	Nouria KAID, University of Sciences and Technology of Oran, Algeria
Experimental investigation of the effects of gas oil on the geotechnical properties of CH clay soil GOUFI Abd elmalik, Meddah Abdelaziz	GOUFI Abd elmalik, University of Bordj Bou Arreridj, Algeria

**Room 1 (Monday February 24<sup>th</sup> 2025)**

<b>8:30-10:00 UTC+1</b> <b>Firas Al-Mahmoud and George Wardeh,</b> <b>France</b>	<b>Keynote Speaker</b>	
Challenges facing Sustainable Transport in the Arab Region.	Yarob Badr, Lebanon	
Smart Crack Detection: Adaptive Computer Vision to Identify Cracks in Historical Masonry Buildings	Mohammad Samaaneh and Anas Toma, Palestine	 
Bonding and anchoring between concrete and reinforcement: still an open question	Fernando Martinez-Abella, Spain	

<b>10:30-12:00 UTC+1</b> <b>Nariman Khalil, Lebanon</b>	<b>Keynote Speaker</b>	
Seismic Protection of Historical Buildings	Federico Mazzolani, Italy	
The criterion of minimum structural intervention for optimal consolidation in the restoration of historical buildings	Maria Francesca Sabbà and Dora Foti, Italy	 



### Challenges facing Sustainable Transport in the Arab Region.

**Dr. Yarob Badr** is a renowned regional Advisor. He holds a PhD in Transport Science from École Nationale des Ponts et Chaussées. He has a diverse career encompassing academia, consulting, and government service, including a ministerial role in Syria where he oversaw a significant reduction in traffic fatalities. He served as a Regional Advisor at ESCWA, leading the development of a regional transport strategy. Dr. Badr also contributed to the establishment of and continues to teach in a Master's program on road safety management. His expertise spans transport, logistics, and road safety.



### Smart Crack Detection: Adaptive Computer Vision to Identify Cracks in Historical Masonry Buildings

**Professor Mohammad Samaaneh** is a distinguished researcher in Structural Engineering at An-Najah National University Palestine. He has held a Ph.D. in Structural Engineering since 2015, awarded by KFUPM. Currently, he is Assistant professor at An-Najah National University, Palestine. His primary focus is on the assessment and strengthening of structures, particularly, R.C. and historical buildings. Recently, he has been collaborating with colleagues from computer engineering to explore the use of AI applications for structural assessment.

**Professor Anas Toma** is a distinguished researcher in Computer Engineering from Karlsruhe Institute of Technology (KIT), Germany. He is currently an assistant professor in the Department of Computer Engineering at An-Najah National University, Palestine. His research interests include computer vision and artificial intelligence, with a particular focus on multidisciplinary applications in medicine and engineering.



### **Bonding and anchoring between concrete and reinforcement: still an open question**

**Professor Fernando Martínez Abella** is a renowned Civil Engineering professor at the University of A Coruña since 1994, with a PhD from the Polytechnic University of Catalonia, Spain. His research focuses on reinforced/prestressed concrete, construction materials, and structural testing, leading over 30 funded projects (18 as Principal Investigator). He has authored/co-authored 73+ indexed papers, 7 books, and 4 book chapters. Coordinator of the "Construction Group" (gCons) and Scientific Director of CITEEC. Recipient of several prestigious awards, including medals from the Professional Associations of Civil Engineers (Galicia and Spain) and ACHE, and an ALCONPAT-International award.



### **Seismic Protection of Historical Buildings**

Professor Federico M. Mazzolani is a renowned distinguished researcher known for his contributions to the field of structural engineering. He is widely recognized as a leading figure in the field of structural engineering and his work has had a significant impact on the profession. Professor Mazzolani has made significant contributions to the development of European standards for structural steelwork, including Eurocodes 3 and 8. He is also a prolific author and has published numerous books and papers on various aspects of structural engineering. is a member of several prestigious organizations, including the Royal Academy of Engineers of Spain and the Academy of Engineers of Czech Republic. Professor Mazzolani has also received numerous awards for his contributions to the field of structural engineering.



### **The criterion of minimum structural intervention for optimal consolidation in the restoration of historical buildings**

Professor Dora Foti is a renowned researcher at Polytechnic University of Bari, Italy. She is a Full Professor of Structural Engineering at the. She earned her European Doctorate from the Universitat Politecnica de Catalunya. Her teaching focuses on structural engineering, including earthquake engineering and bridge design. Her research interests include seismic behavior of structures, dissipation and isolation systems, historical building vulnerability, and dynamic identification. She has been a visiting professor at several universities, including UC Berkeley and Universitat Politecnica de Catalunya. Foti has authored over 250 publications and participated in numerous national and international research projects.

Dr. Maria Francesca Sabbà is a research fellow at the Polytechnic University of Bari, Italy, specializing in structural engineering, particularly earthquake engineering and masonry building behavior. She has co-authored 34 publications focusing on seismic behavior, historical building vulnerability, dynamic identification, and energy-dissipating frames. Sabbà has presented at seminars and conferences and participated in several national and international projects, including PRIN, ReLuis, Interreg IPA Adrion, and Interreg Greece-Italy.