TRABZON / TÜRKİYE



CONFERENCE PROGRAM



REGISTRATION OPENS AT

08.30

OPENING CEREMONY

10.00 - 12.00

LUNCH

12.00-13.30

Koc E, Aribas U N, Ermis M, Omurtag M H Geometrically Nonlinear Analysis of Composite Beams Via Mixed FEM

Cebir F, Soalih H, Demir S, Demir A D

A New Type Shear Connector for Lipped Channel Section Cold Formed Steel-Concrete Composite Beams

Bouhafara D, Menail Y, Mesrafet F, Aissaoui M I
The Degradation of Mechanical Characteristics in GFRP Composite Under Real Maritime Conditions for Civil Building Application

Ince O, Çakıl B, Taş Ö F, Osmanli Ö F, Karaton M, Sayın E Nonlinear Time History and Pushover Analysis of a Multi-Storey Reinforced Concrete Building

Canakçı K, Karaton M

Post-Earthquake Damage Status and Numerical Analysis of a Historical Masonry Building

Çakıl B, Osmanlı Ö F, Taş Ö F, İnce O, Sayın E, Karaton M Effects of Different Basement Wall Configurations on Structural Seismic Behavior of the Buildings

Kaniğ D, Bab Y, Kutlu A, Omurtag M H

Mixed Finite Element Formulation for Functionally Graded Beams Resting on Elastic Foundation Using HSDT

Güner O, Ermis M, Aribas U N, Omurtag M H

Free Vibration Analysis of FG-GPLRC Straight Beams Via Warping-Included Mixed FEM

Sayed S S M A, Ermis M, Eratli N

Parametric Analysis for Axially Functionally Graded Beams Developed Using Different Micromechanical Models

COFFEE BREAK

15.00 - 15.15

15.15-16.45 SESSION 2

Başağa H B, Alkan İ B Identification of Gaps in Civil Engineering Undergraduate Education

Yavan F, Maalek R, Aali A

Sketch-To-BIM: A Comparative Analysis for Automated Truss Design and Optimization

Şengül A N, Bettemir Ö H

A Spreadsheet Application for the Heuristic Solution of Time Cost Trade-Off Problem

Sustainability Practices in Public-Private Partnership Projects: A Global Comparative Analysis

Arslan V, Ibadov N

Sources of Competitive Advantage of Turkish Construction Companies in Poland

Alrasheed K A. Soliman E

Cost Estimation in Early Design Stages Using Regression Model-**Kuwait Case Study**

Roudini A, İnal S, Beşer M H, Aydiner K

Enhancing Tunnel Projects with Digital Twin Technology: Applications and Benefits Across the Tunnel Lifespan

Shafiq M T, Rehman M S U, Rauf A

A Case Study of Forensic Delay Analysis in the Construction of a Revamp Power Transmission Project

Boz E. Toğan V

An Analysis of Course Contents and Educational Materials in Strengthening University-Industry Collaboration

COFFEE BREAK

16.45 - 17.00

17.00-18.30 SESSION 3

Orhan D, Fahjan Y

Selection of Ground Motion Records Considering Near Field Effects for Nonlinear Time History Analysis

An Investigation on the Effects of Rotational Ground Motions on Seismic Behavior of Precast Reinforced Concrete Single Story Industrial Buildings

Kiliç S, Çakmak T

The Effect of Solar Power Panels on Industrial Structure's Seismic Performance

Salameh N. El-hacha R

Critical Evaluation of Empirical and Analytical Models for Predicting the Behaviour of FRP-Confined Concrete

Assessment of the Effect of Strengthening Measures on Seismic Fragility Curves in Reinforced Concrete Structures

Hamadi S E, Bekiroğlu S

Nonlinear Design Parameters Investigation of Steel Moment Frames in Different Seismic Sites in Turkey

Taş Ö F, İnce O, Çakil B, Karaton M, Sayin E, Gör M

Numerical Analysis of Historical Masonry Nebi Mosque Minaret Using Finite Element Method

Özdoğan D B, Okuyucu D, Askan A

Ground Motion Simulation of 1859 Erzurum Earthquake

Nemutlu Ö F, Üzen H, Özçelik S T A, Sarı A Development of Rapid Visual Screening Method for Earthquake Risk Assessment of Existing RC Buildings Using Deep Learning-Based Classification

DINNER

Samancı Ö N, Kılıçaslan H

Place-Specific Structures: The Effect of Hidden Designs on the Spirit of Space

Bakan Ö C, Kasalı A

Reconsidering Online Whiteboards As Collaborative Design Interfaces in Architectural Education

Umar A D, Canakcioglu N G, Boyacioglu D, Saglam N G Exploring the Social Affordances of Physical Setting in Public Open Space of Higher Institution: Case of Ozyégin University Quad

Bonabi F A, Hojjati S APlace and Space: Conceptual Transformations and Philosophical Approaches in Architecture

Bruno F, Teixeira F, Silva R, Silva T

From Theory to Practice: Bridging Cognitive and Psychomotor Domains in Descriptive Geometry

Özgül E E, Şensoy S A Social Perception of Public Buildings: Urban Users' Perspective

Eroğlu E, Tuluk E E, Sarı R M

User Satisfaction After Pedestrianization in Trabzon Kahramanmaraş

Etemadi P, Ribeiro H C, Yüksel Ç Y

Social Housing Dynamics: Adapting Architectural Design to Evolving Resident Needs

COFFEE BREAK

15.00 - 15.15

15.15-16.45 SESSION 2

Tanrıvermiş Y, Tanrıvermiş H, Güneş P

The Impact of Migration on Spatial Organization and Sociological Change: An Analysis of Cognitive Mapping in Yomra District, Trabzon Province

Bayram Z Y, Güneş P
The Role of Public Buildings in the Urban Memory of Ankara

Miyan A, Yönet N A

Shaping Behavior and Emotions Through Urban Design: Tackling Social Inequality

Hekimoğlu N, Bayram Z Y

Representation of Disadvantaged Groups in the Education of Professions Influential in Spatial Production

Ghoddusifar S M, Asli M F

A Multi-Criteria Decision-Making Approach for Selecting Optimal Sustainable Facades in Residential Buildings of Tabriz

Vatansever A Z D, Sarı T

Between Mega-Structures: The Spatial-Temporal Memory of Bomontiada

Varol E

Evaluation of the Healthy City Approach in the Context of Urban **Design Competitions**

COFFEE BREAK

16.45 - 17.00

17.00-18.30 SESSION 3

Naveb A

Urban Identity and Architectural Representation: A Studio Practice

Wind Vibrations to Wattage: The Potential of Piezoelectric Facades in **Energy-Concious Building**

Carlıoğlu E G

The Analysis of Usage Metal Powder Waste As Cement Substitute in Concrete

Yemenici D K, Barış K E

Enhancing Thermal Comfort and Energy-Saving Potential of the Buildings with Multiple-Layered Phase Change Material

Koç H, Kasalı A, Demir U

The Impact of Plan Configurations and Design Decisions in Healthcare Facilities on Wind Resilience of Roofs

Çınar M Ç, Bostancıoğlu E

Évaluation of the Effects of Building Form on the Wind Performance of Structures

Kizilörenli E, Orhon A V

Balancing Daylight Performance and User Comfort Through Pleated Folding Square Façade Modules

Aydın Ö, Uncuoğlu T

The Impact of Thermal Insulation on Energy Savings and Thermal Comfort: A Study in Multi-Story Residential Buildings

Kaplan E, Beyhan F

Investigation of Design Parameters and Performance Optimization **Processes of Kinetic Shading Devices**

DINNER

Çelebi O, Bayrak B, Kılıç M, Aydın A C

Investigation of Earthquake Performance of Reinforced Concrete Beam Structures Arranged in Different Forms: Flat Beam and Deep Beam Example

Thomas J, Vikram A

Impact of Openings on the Structural Performance of Walls of Recycled Plastic Lumber Panels Under Cyclic Loading

Öztürk M M, Alpaslan E, Sözen Ş Numerical and Analytical Study of the Dynamic Behaviour of Tokat Clock Tower

Kiliç S

The Design of Multi-Story Steel Industrial Building with Various Equipments

Koçak A, Aleit H

Influence of Infilled Walls on the Seismic Vibration Period of Reinforced Concrete Structures with Shear Walls

Özgençli S, Şenkaya M

Seismic Evaluation of Soil-Structure Interaction for Bursa Uludae University Hospital Using Ambient Noise and Site Response Analyses

Khonaiv J, Timurağaoğlu M Ö, Hakan Ö, Livaoğlu R

An Examination of the Impact of Infill Walls on the Seismic Performance of RC Prefabricated Structures

Yildirim Ş, Fatih M Seismic Design of High Rise Building with Differe Structural Configuration.

Doğangün A, Jadallah M

Assessment of Sequential Earthquake Response of the Historic Karahan Mosque Minaret

COFFEE BREAK

15.00 - 15.15

15.15-16.45 SESSION 2

Gedik B, Şahud İ, Şenbakar B, Yılmaz K, Okuyucu D An Experimental Investigation on the Compressive Strength Development of Concrete Samples Poured in Winter

İssever F

Mechanical and Fresh Properties of Self-Compacting Mortars Containing Silica Fume and Waste Marble Powder

Experimental and Numerical Investigation of the Effects of Bolt and Nut Configurations on the Tensile Capacity of Wind Turbine Flange Connections

Çakmak T, Ustabas İ

Enhanced Compressive Strength Prediction Using Concrete Mix Parameters and Feature Importance Analysis: Using Al-Ternative ML Algorithms

Imani D, Rajabi-kafshgar A, Aliha M, Darvish M G, Shafiei A, Sani N

Utilizing Design of Experiment Method to Optimize the Mixure of Polymer Concrete Against Tensile and Shear Type Fracture

Kobya V, Kaya Y, Mardani A

Assessment of the Utilization of Grinding Aids in Terms of Grinding Efficiency and Environmental Impact

Nas M, Kurbetci Ş

Investigation of the Properties of Ground Granulated Blast Furnace Slag-Based Geopolymer Concretes with Recycled Aggregates Impregnated with Pozzolanic Slurry

Gürbüz G, Moghimi S, Çakır Ö A Effect of Water-Proofing Admixture in Geopolymer Slurries on the Treatment of Recycled Aggregate

Köktan U, Kumandaş A, Ertek M K, Kırbaş U

Investigation of the Effect of Alkali Treatment and Bitumen Coating on the Tensile Strength of Hemp Fibers

COFFEE BREAK

16.45 - 17.00

17.00-18.30 SESSION 3

Saedi S, Seyedi M, Naimi S Investigating the Effect of Polyamine Fatty Acid on the Moisture Sensitivity of Warm Mix Asphalt Mixtures

Ozturk O F, Mazlum Y, Coruh E, Bayata H F, Aydın M M

The Effect of Chevrons Markings for Tunnel Safety: A Simulator Based

Çelik M, Abut Y, Yaşar D

Investigation of the Use of Recycled Concrete Aggregate and Fly Ash in Highway Subbase by Improving with Cement

Akbulut A, Kırbaş UObject Detection Methods for Vehicle Counting: Comparison and Optimal Approach Proposal

Demirtürk D, Öztürk H I, Güler M

Current Methods for Determining the Thermal Properties of Asphalt Concrete: A Comprehensive Review

Şahin S N A, Korkmaz A, Özden A

Å Comparative Analysis of Bus Rapid Transit (BRT) Systems: A Framework for Sakarya

Khasawneh M A

Carbon Emission Reduction in the Asphalt Industry: A Review Çavdar E, Kumandaş A, Şahan N, Kabadayi E, Kumantaş M, Oruç Ş Usability of the T-Flex in Bitumen Modification and Its Effects on Physical Properties

Asgharpour S, Mohammadian K

Investigating Severity of Motorcycle-Involved Crashes in the Context of Developing Countries

Çavdar E, Kumandaş A, Şahan N, Kabadayi E, Kumantaş M, Oruç Ş Usability of the T-Flex in Bitumen Modification and Its Effects on Physical Properties

DINNER

Menail Y, Bouhafara D, Mesrafet F, Mahi A E

Use of Two Composite Materials Glass-Epoxy and Aramid-Epoxy in Marine Environment in the Field of Civil Engineering

Avşar Y E, Uysal M, Akca A H

Improvement of 3D Printing Properties of Mgo Derived Binders by CO2 Curing in Hardened State

Sarıkaya M K, Bundur Z B, Yılmaz T, Erkmen B, Benam S S

Seismic Performance Assessment of 3D-Printed Concrete Structures

Yılmaz Y, Nayır S, Nas M, Erdoğdu Ş

Investigation of Engineering Properties of Mortars Containing Basalt Fiber and Plastic Waste Aggregate Exposed to High Temperature

Aktürk B

Effects of Different Types of Fibers on the Mechanical Properties and Shrinkage of One-Part Sodium Carbonate-Activated Slag-Based

Akyüz B M, Öztürk İ Ş, Sarı F A, Maraşlı M, Emiroğlu M, Yıldız M K

The Impact of Varying Alginate Ratios on Soil-Based Composites

Hamid S Z, Hassanzadeh Z, Parsa J Seismic Resilience of Multi-Story Buildings: Evaluating the Effectiveness of Viscoelastic Damper Arrangements

Irshidat M, Albeitjali N, Amjad U, Al-nuaimi H, Maurya M

From Waste to Strength: Recycled Steel Fibers for Sustainable 3D Printing of Cementitious Composites

COFFEE BREAK

15.00 - 15.15

15.15-16.45 SESSION 2

Mortazavi A, Arslan K E

Solving Structural Optimization Problems Using Marathon Runner

Mesrafet F, Menail Y, Bouhafara D

Delamination Study When Drilling on a Carbon C-Orthocryl Composite Used in Civil Structural Strengthening

Mandal A, Jawalkar C K

Measurement of Residual Stiffness of Cracked Segmental Girder Using Multi-Reference Impact Testing

Akatay V, Sarı M, Marangoz A MUse of Digital Twin and GIS in the Construction Industry

Bostan A, Hacıefendioğlu K

Automated Structural Crack Detection Using a Deep Learning Based-YOLO Algorithm and Robotic Dog

Kazaz İ, Kazaz EDynamic Load Analysis and Damage Investigation of a Multispan Masonry Railway Bridge

Mostofi S, Okur F Y, Altunişik A C

Dynamic Spatio-Temporal Modeling for Fire-Induced Damage Prediction in Suspension Bridges: An RNN-GCN Approach

Alhasan M

Structural Health Monitoring Through Vibration-Based Feature Extraction and Machine Learning: A Comparative Study of AR, VAR, and SVD Methods

Jadallah M, Doğangün A A

Comparative Analysis of Ribbed and Solid Slabs in Enhancing Progressive Collapse Resistance of RC Buildings Following Multiple Column Loss

COFFEE BREAK

16.45 - 17.00

17.00-18.30 SESSION 3

Aytekin M

Improvement of a Collapsible Soil: The Sabkha

Keskin T, Yilmaz E, Sari M, Kasap TAssessment of Cemented Paste Backfill Strength and Microstructure Using Mixing Waters with Varying Ph

Jolfaei S, Lakirouhani A

Applying Gene Expression Programming to Predict Fracture Pressure in Elongated Wellbores

Hu B, Demir G, Şimşek A

Sustainable Materials for Ground Improvement: Hemp

Sevdi M S, Babagiray G

Evaluation of the Effect of Clay Core Parameters on Deformation of Rockfill Dams Using Artificial Intelligence Methods

Kasap T, Yilmaz E, Sari M, Keskin T Optimization of Sand-Enhanced Cementitious Fillings:mechanical and Microstructural Evaluation Via UCS and UPV Methods

Sertkaya K, Gör M, Nasery R K, Altunbey A Liquefaction Analysis of Various Soil Profiles Based on TBEC 2018: Case Studies from Elazığ Province

Atlılar B, Gezgin A T, Şenkaya M Determination of Soil Amplification Factors by Seismic Soil Response Analysis in Altınşehir Region - Abstract

Benli A, Calım M H, Sengun E, Yolcu E M, Ikizler S B, Dayioglu A Y, Hatipoglu M, Usta R

Investigation of the Filtration Properties of Waste Concrete Obtained from a University Campus Roadway Renovation

DINNER

Demirkaya S, Tanrıvermiş H

Analysis of Design Parameters in Office Buildings in Terms of Sustainability Concept: The Case of Ankara Province

Arıoğlu Ş B

Evaluation of Karadeniz Technical University Kanuni Campus with Universal Design Criteria

Kasul N, Halicioglu F H

A Review of Innovation Research in Building Information Modelling (BIM)

Reza S A A, Farhad A

Definition and Typology of Nomadic Architecture (case Study: Iranian Nomads)

Erdoğan E

From Notes to Structures: Translating Musical Composition Into the Architectural Realm

Aykan N, Alemdağ E L

Evaluation of Wood Material Awareness in Architecture Education

Alankuş B, Çelik S

The Role of Material Passports in the Integration of Building Materials with Circularity Strategies

COFFEE BREAK

15.00 - 15.15

15.15-16.45 SESSION 2

Şahin Ö F, Adanur S, Türker H T, Altunışık A C

Nonlinear Time-History Analysis of a Steel-Reinforced Concrete Composite Building According to TBEC-2018

Ekkawi A A, El-hacha R

A Rapid and Hybrid Prestressed Seismic Strengthening System for RC Piers Using Fe-SMA Plates: Experimental Breakthrough

Idriss B A, Günaydın M, Sunca F, Okur F Y, Şahin C, Karahasan A K, Altunişik A C

Dynamic Vibration Control Through Tuned Liquid Damper Under Different Excitation Angle: Shaking Table Tests Study

Yılmaz M, Hakan Ö, Bayram A H, Livaoğlu R

Evaluating Strong-Column/weak-Beam Behavior in Reinforced Concrete Structures: Insights from the 2023 Kahramanmaraş Earthquakes

Ibrahim M M, El-hacha R

Effect of Concrete Discharge on Tensile Strength and Fibre Distribution of UHPFRC

Awassa O, El-hacha R

Innovative Housing Solutions: Integrating Ultra-High-Performance Concrete in Modular Construction for Sustainability and Efficiency

Turer A

Timber As the Sustainable Building Material of the 21st Century: Key Advantages and Facts

Şenkaya M, Silahtar A, Erkan E F, Karaaslan H

Machine Learning-Based Modeling of Damages in the 2023 Kahramanmaraş Earthquakes Using Seismic Local-Site Parameters

COFFEE BREAK

16.45 - 17.00

17.00-18.30 SESSION 3

Şahin N, Şan M, Kankal M

Non-Stationarity Assessment of Intensity-Duration-Frequency (IDF) Curves of Standard Duration Rainfall in the Eastern Black Sea Region, Türkiye

Hassanzadeh Z, Hamid S Z, Parsa J

Impact of Acidic Groundwater on Quarry Wall Stability: Evaluating Drainage and Chemical Treatment Effectiveness

Yılmaz B, Aras E

Development of the MARS Models for the Prediction of Monthly Dam Inflow

Ghaznavinia S, Hosseini S M

Mathematical Formulations for the Temporal Intensity Pattern of 6-Hour Design Storm in Central Tehran Metropolis

Parsa J, Hamid S Z, Hassanzadeh Z

Al-Based Water Quality Evaluation: Uncovering Key Chemical Contaminants with a Data-Driven Index

Öztürk N

Optimization of Well Flow Rate's Pumping Cost with Various Metaheuristic Algorithms

DINNER

Yıldırım A, Doran B, Alacalı S, Aslan Z Ü

Numerical Investigation on the Out-of-Plane Behavior of Unreinforced Masonry Walls with and Without Opening

Gedik B, Okuyucu D, Kazaz İ, Bingöl A F, Şahin M, Şahin B

An Experimental Investigation on Internal Temperature Monitoring of RC Beams Cast-in-Winter

Yahya I N, Soysal B F FEM and X-FEM Analyses of a Reinforced Concrete Flat Slab Under Sudden Dynamic Impact Loading

Kurt G, Polat A, Yaylı M Ö, Yazıcı M, Deliktaş B

Buckling and Load Capacity of Thin-Walled Variable Cross-Section Columns: Influence of Fiber Orientation and Weld Lines

Arpacıktaş M, Altun F Effect on Concrete Mechanical Properties

Kachouh L, Jaafari C, Durif S, Bouchair A
Development of Demountable Steel-Timber-Concrete Composite
Floors: Connection Challenges and Literature Review

Öztürk M M, Nacar S, Akbulut Y E, Altunişik A C

Estimation of the Frequency Value of Masonry Arches by Classical Regression Analysis

Guner S

Quality Processes for Bridge Analysis Models

COFFEE BREAK

10.00 - 10.15

10.15-11.45 SESSION 2

Sarı M. Bavram S

The Impact of Directorate of High Technics Board and Court of Cassation Decisions on Disputes in the Construction Sector: Early Resolution Perspective

Jehhad F, Khannoussi F E, Yamouni B E, Bounab L

Different Stakeholders in Construction and Public Works Knowledge of Building Information Modeling for Construction in Morocco

Sari M, Akcay C

Sustainability Under Disaster Threat: A LEED-Based Assessment of Istanbul University Hasdal Campus

Kulabi A K A, Calis GIdentifying the Crucial Success Factors Influencing Project Management Indicators of Construction Projects in Türkiye

Kaya M, Bettemir Ö H

Proposal of a Framework for Data Acquisition for Digital Twin of **Building Facade**

Kunkcu H, Calik I, Koc K, Gurgun A P

A Review of Technology Trends for Off-Site Construction

Kazaz A, Arslan G

Prioritization of Design Risks in Construction Projects

Erdem M K, Gökalp O, Calis GInput Scenario-Based Modeling of Office Building Energy Consumption with Ensemble Algorithms

Abuelaish R, Bahadır Ü, Toğan V

Analyzing Causal Factors of Workflow Variability in Construction Projects: An Exploratory Factor Analysis

COFFEE BREAK

11.45 - 12.00

12.00-13.00 SESSION 3

Aydıner M F, Sevim B, Bekiroğlu S, Alemdar F, Arslan G, Ayvaz Y

Investigation of Soft Storey Action of a Reinforced Concrete Building by Pushover Analysis

Al-gaadi F M, Alemdar F

Numerical Évaluation of the Optimal Configuration of the Cold-Formed Steel Storage Rack Systems' Seismic Performance in the Down-Aisle Direction by Means of Nonlinear Static Pushover Analysis

Atasoy A, Yiğit A, Çibuk F, Yüksel İ Prediction of Newmark Displacement Via Gene Expression Programming

Kocaman İ, Mercimek Ö, Gürbüz M, Erbaş Y, Anıl Ö The Effect of Material Properties on the Seismic Behavior of Historical **Masonry Mosques**

Araz O, Saif M M A

Influence of Location of Tuned Mass Damper in Reducing Vibrations of a Building Subjected to Ground Motions

Evaluating the Structural Impact of Restoration in Historical Timber Buildings with Numerical Modeling and Analysis

LUNCH

Arasan A İ, Aşkın M F, Çomu S Exploring the Feasibility of Istanbul As an Olympic Host: Lessons from Previous Hosts

Ali Z, Çelik G T

Türkiye's Climate Change Mitigation Efforts: Evaluating the Role of Gbcs in the Construction Sector

Uzunkaya A, Topuz S, Bettemir Ö H

Estimation of Construction Material Consumption with Smart Contract

Understanding Risk Factors in Green Building Construction: A Review

Zalmai M L, Akcay C Application of BIM Autodesk 360 Technology in Quality Control and Construction Project Management

Kazaz A, Esendal H

The Use of Augmented Reality Application to Improve Design Quality

Predicting the Resolution Time of Disputes in Public-Private Construction Contracts Using Bayesian Network Analysis

Petek E, Tokdemir O

A Literature Review on the Implementation of Digital Twins (DT) in Infrastructure Projects: Trends, Challenges, and Future Directions

Koralay S, Halicioglu F H

A Bibliometric Analysis of Project Complexity Research in the Construction Industry

COFFEE BREAK

15.30 - 15.45

15.45-17.15 SESSION 5

Toprak B, Öncü-davas S, Taşkın Y

Numerical Validation of a Building Model Via Experimental Modal **Analysis Method**

Solak A, Pamom A M, Kamanli M

Investigation of the Effect of Different Wall Layouts on B1 Irregularity in Buildings

Qutait S F, Karouni N, Saleh W Z, Gelisen G, Kouchchad R M, Ali A A H B, Bahceci B

NARS-Z Earthquake Robot

Behrouz A, Ozakgul K

Multiple Earthquake Effect on Seismic Behavior of 3D Steel Moment-

Atmaca E E, Genç A F, Adanur S, Altunışık A C

Determining the Collapse Mechanism of a Historical Minaret Under the Earthquake Effect by Finite Element Simulation

Douare L, Jaafari C, Pitti R M, Hashemi A, Quenneville P

Design of a Seismic Resilient CLT Multistorey Building Complying with Eurocode 8 Using RSFJ Joints: A Case Study

Üçdemir G, Dursun F M, Öz A, Kaplan G High Temperature and Freeze-Thaw Performance of Geopolymers with Glass Fiber and Natural Zeolite

Bayram A H, Hakan Ö, Livaoğlu R

Fragility Curves of 100 M³-Elevated Water Tank Stock Based on Operating Level

Karahasan A K, Altunışık A C, Demirkır C, Okur F Y, Sunca F

Finite Element Model Updating of Different Cross-Laminated Timber (CLT) Panel Groups Using Dynamic Tests

COFFEE BREAK

17.15 - 17.30

17.30-19.00 SESSION 6

Ayhan E, Polat B Y, Khatti J

Contact Problem in Functionally Graded Layer Between Two Homogeneous Layers Resting on a Rigid Plane and Loaded by a Rigid

Polat A, Polat B Y, Ayhan E

Contact Stress Analysis of Layers Loaded with Two Elastic Punches

Serhatoğlu C. Livaoğlu R

Wind Speed Simulation Techniques for Dynamic Structural Analysis

Demir A, Vatansever C

Nonlinear Analysis of Flush End-Plate Beam-to-Column Connections **Under Cyclic Loading**

Gholibeygi S, Ayhan B, Ergün H

Finite Element Homogenization of Octet-Truss-Based Lattice Structures with Periodic Boundary Conditions

Gençcelep S, Kahya V, Hacıefendioğlu K, Şimşek S, Aslan T

Comparative Analysis of Vision-Based Vibration Identification Techniques Using Digital Camera Imaging

Turan M, Hacıoğlu M İ

A Higher-Order Finite Element for Buckling Analysis of Functionally Graded Sandwich Beams

GALA DINNER

Tira Y

Revitalizing Cultural Heritage: The Transformative Power of Circular Adaptive Reuse in Istanbul Ferry Boat Stations

Conservation Assessment of Historical Healthcare Facilities: An Investigation of Cebeci Hospital in Ankara University Faculty of Medicine

Yıldız Y. Akarca H

The Impact of Russian Period Buildings on Today's Kars City Identity in Terms of Cocio-Cultural Sustainability

Ghanini N, Akhoundi F

Structural Techniques of Northern Iran: Traditional Methods and Sustainability

Design Studio Experiences in the Context of a New Building in a Historic Environment: The Example of Fertek Hammam

Orhan H N, Özgen SThe Impact of Climate Change on Stone Structures: An Evaluation of the Yakutiye Medrese in Erzurum

Yavru T E, Kalfa S M

Fire Risk Assessment Methods for Historical Buildings

Kaçıran A, Demirkaya F Ü

Rize Architectural Historiography: What Archive Sources Tell Us

Kutlu İ, Şimşek D

Artificial Intelligence (AI) Assisted Digital Reconstruction of Historical Buildings

COFFEE BREAK

10.00 - 10.15

10.15-11.45 SESSION 2

Çakmak H, Öksüz A M

The Impact of Socio-Cultural Change in Rural Areas on the Built Environment: The Case of Ataköy, Trabzon

Enhancing Urban Resilience: A Comparative Study of Dubai and Trabzon

Şen G E, Ofluoğlu S

Assessing the Knowledge of BIM Professionals and the Need for Theoretical BIM Education

The Role of Informal Learning Spaces in Contemporary University Designs

Yaşar K, Kuban Z

Regional Economics and Relocation: A Case Study of Gümüşhane

GhasemiBaghdadi S

The Ecological Survey of Semi-Open Spaces in Hot-Dry Climates to Achieve a Cultural and Zero-Energy Housing Model

Feizi S, Ahmadiyan F, Motamadnia A, Seyyedhassanlou MStudy of Aesthetic Components for the Revitalization of the Old Fabric of Tabriz, Iran (Case Study: Tarbiat-e-Gharbi)

Khumaira H H, Taş N, Taş M

Comparative Analysis Among Cross Background Green Building Rating System: LEED, DGNB, SBAT, and Greenship

Wahdaniyah N, Tuncer A

Sustainable Landscape Planning in Muradiye Külliyesi Historical Area

COFFEE BREAK

11.45 - 12.00

12.00-13.00 SESSION 3

Aktuglu Y K

The Magical Structural System of Munich Olympic Stadium

Ertaş G, Aydın D

An Evaluation of the Use of Energy Performance Simulations in Turkey

Tulukcu D A, Sayın S

Algorithm-Aided Energy Efficient Building Optimization

Altunkaya G U, Günay R G, Engin N Investigation of the Effects of Wind-Driven Rain (WDR) on Building Facades: A Case Study of KTÜ Kanuni Campus

Hamida B, Boulerbah T

Improving the Thermal Comfort of Traditional Housing by Adapting a High-Performance Material

Cabacı B N, Ünay A İ

Evaluation of Lightweight Steel Construction Systems As an Alternative to Conventional Construction Systems

LUNCH

Özdemir G N, Akkurt G G, Akkurt S Cool Roofs: Development and Characterization of Reflective Tile Coatings to Mitigate Urban Heat Island Effect

Karabulut Z E, Avinç G M, İkizler S B

Reuse Trends and Current Situation in Architectural Building Material Research: A Bibliometric

Akalp S, Ayçam İFire Risk Assessment of Atrium-Planned Shopping Centers: The Case of Ceylan Karavil Park Shopping Mall

Yüksel F Ş K, Akalp S, Melikoğlu Y Birecik Bridge in the Context of Long Span Reinforced Concrete Bridges: An Architectural and Structural Analysis

Sarıgök M, İpekçi C A, Coşgun N

Examination of Green Building Certified "haut Amsterdam" Building in the Context of Sustainable Building Material Selection Criteria

Yavuz Ş, Aktuğlu Y K

Investigation of the Steel Material Used in the Structural System of Alvar Aalto's Buildings: The Case of Villa Mairea

Gebel Ş, Gökgöz B İ, İlerisoy Z Y

Evaluating Risks in the 3D Concrete Printing Process: 5x5 Matrix Approach

Bastem S S, Oral G K

Evaluation of Energy-Efficient Design Parameters in Traditional Ayvalık Houses

İlipınar D, Türker C, Akalın D Z

Assessing Material Performance in Tiny Houses: Energy Consumption and Carbon Emissions

COFFEE BREAK

15.30 - 15.45

15.45-17.15 SESSION 5

Sondaş A, Kabataş F H, Demirci Ö S

Masculine Spaces and Feminine Spaces in Rural Settlements: The Case of Ankara Çamlıdere

Kalak M, Sondaş A, Demirci Ö S

Conservation Issues in Mixed Heritage Sites: The Cases of Akdamar Island, Church and Side

Yılmaz E, Kalak M

The Relocation and Preservation Issues of Hasankeyf

Tutkun M, Uğurlu E, Tutkun M Revitalization and Integration of Historic City Walls and Castles Into the Urban Fabric: A Comparative Analysis

Kadri M

Preserving Algeria's Architectural Heritage: Balancing Tradition and **Modern Restoration Practices**

Karkas Z S. Özgünler S A. Alhan E T

Customized Kutahya Pozzolan and Metakaolin-Based Geopolymers for Stone Conservation: Initial Findings on Mechanical Properties

Aykutlu F, Pilehvarian N K

Preliminary Research on Two Ancient Aqueducts in the Fortress of Amasya

Sustainable Interior Design in Algeria: Blending Tradition and Innovation for a Greener Future

COFFEE BREAK

17.15 - 17.30

17.30-19.00 SESSION 6

Savur D, Emekçi ŞEvaluating Generative AI Capabilities for Architectural Visualization

A Review on Artificial Intelligence Extensions Integrated Into Architectural Drawing Programs and Their Applications

Ateş D K, Oğuz G P

A Rock Carving Structure of Eymir Khan

Unveiling the Hidden Meanings of Transparency: Fondation Cartier's Structural Reading As an Art-Cell

Şensoy S A, Öngöz S The Use of Artificial Intelligence Technology in the Field of Architecture: Current Situation and Future Projections

Öksüz M E, Hacialiefendioğlu E E, Topaloğlu G

The Potential of Artificial Intelligence Applications in the Architectural Criticism: Comparative Analysis

Manioğlu G, Taşkın H F, Murathan E K A Roadmap for Preliminary Assessment of Energy Performance in Traditional Houses: The Case of Ayvalık

Gökkaya İ, Uz F

Understanding Architectural Memory Through Cinematographic Montage Milli Reasürans Example

GALA DINNER

Yüksel E, Zeppio J A A, Aydogdu G, Kayaalp B T

Investigation of the Creep Performance of Basalt Fiber-Reinforced Hot Mix Asphalt Under Different Temperatures

İskender C, Solak H, İskender E, Aksoy A, Aslan M T

Superhidrofobic Surfaces and Road Pavement Applications

Balancing Costs and Commuter Comfort to Enhance Urban Rail Transit Performance

Erakman D D, Pancar E B

Samsun E1 Bus Route Analysis: Impacts of Urban Traffic Regulations on Public Transportation

Çelebi M E, Kuşkapan E Estimation of Air Pollution Indices from Road Transport in Turkey for 2024 Based on Fuel Types Using the IPCC Tier 2 Method

Kirbaş U, Genç Z, Başoğlu M

Comparison of the Pavement Condition Index and Riding Comfort Levels of Newly Built Urban Interlocking Concrete Pavements

Bozdemir M G, Yeşilçiçek H, Oruç Ş Rheological Characterization of BARC-Modified Asphalt Binder Via Frequency Sweep Testing

Seferoğlu M T

Sustainable Concrete Pavements Using Pb-Zn-Cu Mining Waste and Recycled Tire Steel Fibers

Kabakuş N, Mwasembe N W

The Innovations Shaping the Future of Traffic: Autonomous Vehicles and Smart Transportation

COFFEE BREAK

10.00 - 10.15

10.15-11.45 SESSION 2

Djati Utomo H, Li X

Performance of Concrete Mix Incorporating Incinerated Bottom Ash

Evaluating the Zahret Al-Finjan and Al-Minyah Landfills in Palestine: Present Conditions and Future Challenges

Yıldız E, Tosunbayraktar Ö, Çalım M H, Usta R, İkizler S B, Dayıoğlu A Y, Hatipoğlu M

Investigation of Filtration Performance of Recycled Asphalt Material Under Different Geotextile Apparent Opening Size

Evada S. Altawil H

Production of Building Blocks Using Demolished Buildings Waste and Gypsum in Gaza City, Palestine

Alp M C, Bundur Z B, Güven G

Smart Demolition Strategies: Enhancing Efficiency in Concrete Recycling with BIM

Pakseresht M, Akbardoost J

The Effect of Waste Foundary Sand on Mixed-Mode I/II Fracture **Behavior of Concrete**

Baradaran S, Aliha M, Ameri M, Erarslan N, Sadowski T Evaluation of Crack Resistance in Asphalt Mixtures Modified with Recycled PET Granules at Low and Intermediate Temperatures

Çelik D N, Yildizli T

Utilization of Juniper Seed Waste As a Lightweight Aggregate in Scms-Based Cementitious Composites: Effects on Physical and Mechanical **Properties**

COFFEE BREAK

11.45 - 12.00

12.00-13.00 SESSION 3

Türk A, Keskin Ü S

Effect of Pre-Curing Rest Period on the Compressive Strength of Calcined Marl-Based Geopolymer Mortars

Türk F, Keskin Ü S, Uzal B

Pozolánic Activity of Calcareous Clay: An Uncommon Cement Replacement Material

Ersoy S, Abuqasim S, Yıldız M K, Öztürk İ Ş, Sarı F A, Maraşlı M, Emiroğlu M

Machine Learning Approximation of Water Transport in 3D-Printable Composites Via Karsten Tube

Aygun B, Uysal M

Role of Nano-Sio₂ in Enhancing Properties of Slag-Waste Ceramic Powder-Based Geopolymer Composites

Aygun B, Uysal M

Effect of Nano-Tio₂ on Physical Properties of Slag-Ceramic Powder-**Based Geopolymer Composites**

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Öztürk H T

Chaotic Rao (ch-Rao) Algorithm for Optimization of RC Symmetric Spread Footings

Prakash J, Daloğlu A T

Optimal Design of Steel Frames with Semi-Rigid Connections and Column Bases Using Particle Swarm Optimization

Sovsal N. Muvafik M

Effect of the Connection Shape of Cables on Behaviour of Suspention **Bridges**

Thomas J, Sindhu D R

Strength and Deformation Characteristics of Concrete Filled Steel Tubular Columns with Cap Gaps

Jaafari C, Hammoudi I, Durif S, Bertel L, Henzsel F, Huong L B T, Fiabane M, Catterou T, Saneh M

Mechanical Performance of a Flat Tie Connection System for Timber and Clay Bricks Cavity Walls: Numerical and Experimental Study

Abdullayev G, Avey A, Aliyev Y

Stability of Multilayer Cylindrical Shells Formed from Nanocomposite Layers in Various Énvironments Under Lateral Pressure

Bayburt A, Adanur S, Günaydin M, Altunişik A C

Design and Analysis of Unreinforced and Reinforced Masonry Buildings According to TBDY-2018

Ören S, Sunca F, Altunişik A C

Pounding Effects on Seismic Behaviour and Damage Pattern of RC Buildings

COFFEE BREAK

15.30 - 15.45

15.45-17.15 SESSION 5

Polat A, Amin H, Ahmed C, Samir L, Campilho R D Numerical Analysis of the Reinforcement of Flexible Concrete Structures by Patch in FGM

Beglarigale A

Comparative Investigation of Micro Steel Fiber Effects on the Electrical Resistivity of PC and AAS Composites

Ekmekci S, Uysal M, Aygun B

Advancing Geopolymer Mortars with Recycled Concrete Aggregates Through Joule Heating Curing

Taştemür Ö, Uysal M

Evaluation of Kocaeli Gulf Marine Solid Wastes in Geopolymer **Composite Production**

Arslannur B. Özdemir M A

Evaluation of Concrete Paving Block Strength Through Ultrasonic Pulse Velocity (UPV) Measurements

Arslan B, Evci P U

Reinforcement of Unreinforced Masonry Buildings with Carbon **Emission Reduced Cement**

Yılmaz M, Uysal M

The Effect of Ohmic Heating on Alkali-Activated Blast Furnace Slag-Fly Ash Concrete with Marble Powder Replacement

Akhtarian S, Semercioğlu İ N, Başağa H B

An Automation-Based Smart Curing Blanket for Optimizing the Concrete Curing Process

Capraz D, Uysal M, Sahin F, Aygun B

A New Era for Lime with Natural Hydraulic Lime Binder and Innovative Aggregates of Hemp Stalks, Sunflower Husks

COFFEE BREAK

17.15 - 17.30

17.30-19.00 SESSION 6

Alizadeh M, Afzalimehr H, Okhravi S Comparison of Reynolds Shear Stress and Drag Coefficient in a Meander with Submerged Flexible and Rigid Vegetation

Takano K, Muto Y, Hayashimoto R, Tamura T

Study on Riverbed Evolution in the Flow Field Around Japanese River Works "hijiri-Ushi"

Hayashimoto R, Muto Y, Takano K, Tamura TExperimental Study on Restoration of Sandbar Using Traditional Japanese River Works "hijiri-Ushi"

Akbarian H, Jaefarzadeh M R

Hydraulic Characteristics of Supercritical Open Channel Bend Flows

Investigation of Temporal Change of Lake Van Surface Area with Climatic Parameters

Yıldırım G

Essentials of Manifold Flow Hydraulics-I: Hydraulic and Energy **Gradient Lines**

Yıldırım G

Analysis of Multi-Outlets Submains-I: Software Hydraulic Development

Yıldırım G

Hydraulic Analysis of Multi-Outlets Submains-II: Implementation

Essentials of Manifold Flow Hydraulics-II: Energy-Gradient Ratio (EGR) Approach

GALA DINNER

Hakan Ö, Timurağaoğlu M Ö, Livaoğlu R Retrofiting of Single-Story RC Prefabricated Structures with FVD

Akkaya K, Baş S, Selçuk S

Risk Ánalysis of Buildings with Earthquake Performance Index

Hacıefendioğlu K, Motamedi A, Aslan T, Duman C, Bostan A

Advanced Deep Learning Models for Anomaly Detection in Masonry Structures

Timurağaoğlu M Ö, Hakan Ö, Livaoğlu R

Evaluation of Seismic Pile Demands Resting on Soft Soils Across Seismic Hazards

Ertaş Ö F, Güler K Seismic Performance Assessment of an Existing Pre-Stressed Reinforced Concrete Bridge

Çalım F, Güllü A, Yüksel E

Predicting Displacement Demands in SDOF Systems Using Seismic Input Energy: A Machine Learning Approach

Kapıcıoğlu S, Aydıner M F, Alemdar F, Sevim B, Bekiroğlu S, Arslan G, Ayvaz Y

Calibration of FE Models of Reinforced Concrete Specimens Using Experimental Modal Analysis

Onat Ö, Evci P U

Impact of Infill Walls and Strengthening Methods on the Seismic Behavior of RC Buildings: A Time-History Approach

Investigation of Infill Wall Effects on Structural Behavior of RC Buildings: A Case Study of Collapsed Building After the 2023 Kahramanmaraş Earthquakes

COFFEE BREAK

10.00 - 10.15

10.15-11.45 SESSION 2

Zardari S, Sağlam A D

Deformation Analysis of Anchored Retaining Systems: A Case Study with PLAXIS Modeling and Field Data Comparison

Ateş B, Zardari S
The Influence of Geogrid Reinforcement Configuration on the Settlement Behaviour of Soil-Pipe Systems

Kaya D, Cakir T, Ozturk K F

Dynamic Analysis of a Building Structure Including Soil-Structure Interaction

A New Approach in the Design of Mechanically Stabilized Earth Walls

Bayat M, Feng W

Optimizing Cement-Stabilized Soil Behavior Using Zeolite

Abdulkareem A. Ahmed T. Kwad N

Enhancing Mechanical Properties of Subgrade Soil Using RAP-Geopolymer

Mohammadi H, Cüre E, Türker E

Investigation of the Effects of Land Surface Sensitivity on Rockfall Analyses

Karakan E, Sezer A

Salinity's Effect on the Atterberg Limits of Bentonite Clay

Effects of Fire-Related Disasters on Natural Building Stones used in Historical Buildings

COFFEE BREAK

11.45 - 12.00

12.00-13.00 SESSION 3

Akyurt S E, İlker P, Sorgun MPotential of Machine Learning Algorithms for Sediment Transport in

Günay A, Yüksek Ö, Anilan T

Prediction of Flood Discharge with Jaya Algorithm for Trabzon Province

Tezel A Ç, Akpınar A

Enhancing Model Performance: Calibration of SWAT+ Model for the İznik Lake Watershed

Examination of Existing Buildings for Rainwater Harvesting System and Feasibility of the System

Yüksek Ö, Yüksek O

Rainfall Intensity-Duration-Frequency Analysis in the Eastern Black Sea

Arzhangi A, Partani S, Jouybari Y, Mohammadi M

The Effects of River Morphological Parameters on Organic Carbon **Dynamics**

LUNCH

Hacıemiroğlu M, Aydoğan M, Alhan C

Seismic Performance Assessment of a Fire-Damaged Reinforced Concrete Building According to TBDY-2018

Tülen H, Öztürk H, Atalay H M

Effects of Seismic Isolators on the Structural Behavior of Reinforced Concrete Buildings

Damlar K, Demir H C, Palanci M, Subaşı R O

Comparative Analysis of Kahramanmaraş Earthquakes for Old and New Buildings

Shukurova G, Özyurt E

Hysteretic Behaviour of Aluminium Foam Filled Double-Skin Steel Sections

Onat O, Albayrak Ş

A Comprehensive Assessment of the As-Built Projects of Severely Damaged or Collapsed Residence in Malatya After Feb 6, 2023, Kahramanmaraş Earthquakes

Salameh N, El-hacha R

Compressive Behaviour of CFRP- and SFRP-Confined Concrete: A Performance Assessment

Demirtaş Y, Yurdakul Ö, Avşar Ö

Cost-Effective Seismic Retrofitting of Deficient RC Structures Using Shape Memory Alloy Bars

Canözü Ö, Acar H

Semi-Automatic Detection of Unusable Roads After an Earthquake

COFFEE BREAK

15.30 - 15.45

15.45-17.15 SESSION 5

Yesilcicek H, Bozdemir M G, Oruç Ş

Investigation of Rheological Properties of Asphalt Binder Modified with TOBO Additive

Dabbaghi A, Hoseini M S, Naderan A

Effects of Variable Speed Limit to Control on-Ramp in Countries with Careless Traffic Behavior (case Study Tehran)

Özden A, Kocaman H, Halimergün Y Are Public Transport Information Systems Equally Effective? Insights from Local and Migrant Passengers

Demirtürk D, Mintemur Ö

Tree-Based Estimation of Voids in Mineral Aggregate in Superpave Mix Design: Feature Importance and Validation Analysis

Avtekin M

Design and Estimation of Plastic Properties of Gradations for Flexible Pavement Courses

Avci T, Gokasar I
The Impact of Big Data and Artificial Intelligence on Public Transportation Optimization

Akgol K, Ozturk O F, Kara Y N

Comparison of Terrain Modeling Approaches: Evaluating Software Performance in Infrastructure Projects

Imani A H, Bayati A, Partani S, Mohammadi M, Mousavi S M

Evaluation of the Effects of Centralized Multi-Purpose Urban Transportation Stations on Land Use with a TOD Approach

Gokasar I, Karaismailoglu A E

Renovating Transportation Infrastructure in Emerging Economies: Transforming Systems for a Sustainable Future

COFFEE BREAK

17.15 - 17.30

17.30-19.00 SESSION 6

Aissaoui M I, Bouhafara D, Menail Y, Mesrafet FThe Distelled Water Absorption Behavior of Two Types of Resin Polymers Used in the Manufacturing of Structures

Akbulut Y E, Koçak S A, Göç A, Çalık A, Altunişik A C

High-Temperature Performance of FRP Systems for Structural Strengthening Applications

Nuhair A M, Günaydın M, Alabsi S, Özyurt E, Altunişik A C Progressive Collapse Simulation of a Multi-Storey Building Constructed Using Carbon Steel and Stainless Steel Under Fire Conditions

Çolak H, Türker H T, Coşkun H

A Novel Equivalent Continuous Beam Model for Seismic Performance Evaluation of Multi-Story Buildings

Soysal N, Alemdar Z F

Finite Element Analysis and Experimental Investigation of Load Capacities of Cold Formed Steel Columns

Ayatollahi M R, Moghaddam M R

Geometry Effects on Rock Fracture Toughness Under Combined Tension-Shear Loading

GALA DINNER

Al-rubaye H A H, Safarkhani M

Spatial and Physical Studio Configurations: A Conceptual Model for Student Satisfaction and Efficacy

Ünal M, Özten Ü, Anay H

Enhancing Visitor Experiences in Cultural Heritage Sites Through Al-Driven Smart System

Karadelioğlu İ E, Oktan S

An Artificial Intelligence Aided Design Process from Text to 3D Printing

Türker C, Akalın D Z, İlipınar D

Comparative Research of Historical and Modern Train Stations in Turkey in Terms of Scale, Function and Architecture

Cetin M, Halicioglu F H

BIM-Based Construction Quality Management: A Bibliometric Analysis

Temel M U, Şen D ENon-Formal Learning Environments and Their Importance in Architectural Education

Safarkhani M, Yılmaz F Ş

Multidisciplinary Sustainability Model in Post-Disaster Housing Recovery: User-Oriented and Energy-Efficient Strategies

Keçeci B, Alabsi S, Sunca F, Altunışık A C Investigation of Progressive Collapse Behavior in Seismically and Non-Seismically Detailed RC Frames Under Middle Column Removal

Özvildiran G

Effects of Water Level Changes of Lake Burdur and Lake Van on Built Environment

COFFEE BREAK

10.00 - 10.15

10.15-11.45 SESSION 2

Akalın D Z, Türker C, İlipınar D

Conceptual Evaluation for the Integration of Historical Railway Stations Into High Speed Railway Systems in the Perspective of Sustainable Development Goals

Büyükçelik M, Dabanlı Ö

Damage Observations of February 6th 2023 Earthquakes on Historical Buildings in Kahramanmaraş

Revitalizing Cultural Heritage: The Transformative Power of Circular Adaptive Reuse in Istanbul Ferry Boat Stations

Das D K, Aiyetan A O

Enhancing Mega-Infrastructure Project Performance in South Africa Through Critical Construction Management Factors: Insights from **Confirmatory Factor Analysis**

Sustainable Concrete with Reduced Environmental Impact As a **Building Material**

ince F. Anav H

Bridging Barriers: Overcoming Resistance to Digital and Computational Design in Architecture

Donduran C G, Karadağ Ö

Enhancing Structural Awareness in Architecture: Promoting Early Collaboration with Structural Engineers

Ertek M, Özyıldıran G

Analysis of Van Pier and Tatvan Pier at the Intersection of Railway and Sea Routes

Kazemi E, Sattari M T, Mohammadzadeh R

A Brief Overview of Historical Water Supply Structures in Ancient **Tabriz**

COFFEE BREAK

11.45 - 12.00

12.00-13.00 SESSION 3

Ateş B, Şadoğlu E

Performance Assessment with Numerical Modelling for a Road Embankment Built on Soft Subbase Reinforced with Geocell

Aliha M, Nabavi S M, Choupani N, Bedir F, Moshtaghi S, Rafiee K

Impact of Freezing-Thawing Cycles on Modes I and II Cracking Resistance of Soil and Cement Concrete Materials

Karahasan O Ş, Akçay B Examining the Dynamic Performance of Loose Sands Reinforced by Recycled Concrete Aggregate (RCA)

Gokasar I, Tülü M G, Yıldız V Examining the Link Between Property Development and Transportation Infrastructure

Gokasar I, Yıldız V

Streetmeter As a Tool for Human-Centered Urban Analysis: Expanding the Metrics

Erener M F, Erener T T, Nuhoğlu A, Erdoğan D Ş Effect of Nonlinear Behaviour of Steel on Lateral Response of Steel Pipe Piles in Saturated Sand

LUNCH

Ünal M T, Gökçe H S, Hashim H B

Mechanical Properties of Pre-Treated Plant-Based Lightweight Aggregate

Tarhan Y, Tarhan İ H, Perrot A

Flexural Performance of Glass Fibre Textile Reinforced 3D Printed Concrete

Bostancı A. Atabev S

Structural Performance of Concrete and Steel Pedestrian Overpasses in Ortahisar: Experiences and Innovations

Baloğlu B, Bosna B, Atacan O, Yılmaz E

Corporate Carbon Footprint Analysis of Ready-Mixed Concrete Facilities

Rahimi E, Yui A, Yamachi Y, Kawasaki Y Eco-Friendly Composite Development Using Cement Paste Waste, Hemicellulose, Chitosan, and Natural Fibers

Polat A, Amin H, Ahmed C, Samir L, Campilho R D

Numerical Analysis of the Reinforcement of Flexible Concrete Structures by Patch in FGM

COFFEE BREAK

15.30 - 15.45

15.45-17.15 SESSION 5

Ates M N, Türkoğlu H, Damci A, Demirkesen S

Strategies for Delay Mitigation in Construction Projects: A Systematic

Semercioğlu İ N, Motamedi M, Başağa H B

Work Accident Analysis with Llms: Can Llms Identify Liability Classifications?

Koçak S A, Göç A, Başağa H B The Cost Impact of Using High Fire-Resistance Materials in Building Claddings

Motamedi M, Semercioğlu İ N, Başağa H B

Comparative Analysis of AI Platforms Developed in the AEC Industry

Implementing IDS-Based Information Validation in BIM: A Practical Application

Yavan F, Maalek R, Aali A

Sketch-To-BIM: A Comparative Analysis for Automated Truss Design and Optimization

Yılmaz G K, Başağa H B

Identification of the Criteria Affecting the Selection of Suitable Site Locations Along the Route for Highway Construction Sitees

Kazaz A, Yetim EThermal Insulation Optimization for Energy Efficient Buildings in Antalya: Multi-Criteria Decision Making Approach

Görhan M F, Kürklü G, Görhan G Investigation of the Usage of Technology in the Civil Engineering Education with Bibliometric Analysis

COFFEE BREAK

17.15 - 17.30

17.30-19.00 SESSION 6

Marangoz H O, Anilan T, Süme V

Advances in Breach Formation Modeling and Flood Risk Assessment for Dam Failures

Güney M Ş, Politi R, Kalyoncu Y, Dallı K

Experimental Study of the Temporal Evolution of the Breach and Flowrate Outgoing from the Breach Due to Overtopping at Homogeneous Earth-Fill Dam

Günay A, Sayıl M C, Anılan T

Modeling of the Maximum Rise Height of a Dense Discharge Using the Teaching-Learning-Based Algorithm

Erduran K. Ünal U. Adekova O

Experimental and Numerical Investigation of Tsunami Impact Force on an Square Obstacle

Seçkin M, Emek A K, Özpolat Y, Dilmen Ö, Koca K

Numerical Investigation of Flow Around a Circular Cylinder with a Spoiler at Low Reynolds Number

Yüksel İ, Yilmaz E, Çibuk F, Terzi M Cost Analysis of Small Hydroelectric Power Plants: A Case Study **Euphrates and Tigris Basins**

Bedir M, Değirmenci B, Aras E, Çelik D Y

An Experimental Investigation of the Effects of Discharge Height and Angle on the Dilution Characteristics of Dense Brine Effluents

GALA DINNER

Kılıç U, Altun İ B, Çomu S

Developing a Virtual Reality-Based Safety Training Tool for Civil **Engineering Students**

Doğan N, Bettemir Ö H

Cost Analysis of UWB and SLAM Integrated Building Surveying Technologies

Abdillahi A M, Bayram S

Understanding the Key Drivers of Construction Labor Productivity in Bricklaying

Ozcan-deniz G, Ozorhon B, Guler C

BIM in Developing Countries: A Framework for Successful Transition

Aydınlı S

Clustering of Construction Business Surveys: Case of Türkiye

Alboğa Ö, Erdiş E

Measures of the Central Tendency for Occupational Accidents in the **Building Industry**

Mostofi F, Tokdemir O B, Toğan V Leveraging Graph-Based Neural Networks for Enhancing Early-Stage Screening of Construction Projects: Graphsage Model

Bahadır Ü, Toğan V

Generating a Dynamo-Based Bill of Quantities from BIM Models: A Case Study

COFFEE BREAK

10.00 - 10.15

10.15-11.45 SESSION 2

Toprak B. Davas S Ö

Effect of Vertical Earthquake Components on the Base Displacement Response of Seismilcaly Isolated Buildings

Çayır H, Vatansever C

Nonlinear Behavior of Multi-Tiered Steel Eccentrically Braced Frames Effects of Lateral Support and Initial Imperfections

Dag B. Borekci M

Investigation of the Effects of Direct Integration Methods and Their Parameters on Pounding in Different Impact Models

Yön B, Yön M Ş, Karataş M, İçen A, Cemalgil S Performance of Reinforced Concrete Buildings Built in Tunceli During the Period When the 1975 Earthquake Code Was in Force: A Case Study

Toplu E, Kirtel O

The Integrated VS30 Maps and Soil Classification for Sakarya Province

Ateş S, Avşar Ö

The Effect of Nonuniform Scour in Transverse Direction on Seismic Behavior of Ordinary Highway Bridges

Sönmez M A, Koçak A, Başeğmez Y Y, Ulusoy S İ

Behavior of Untopped Precast Floors in High-Seismic Applications

Demirel Z, Selçuk S Structural Damage and Transportation Closure Analyses Based on Earthquake Performance

Aslan T, Haciefendioğlu K, Bostan A, Duman C

Autoencoder Based Damage Detection in Masonry Structures

COFFEE BREAK

11.45 - 12.00

12.00-13.00 SESSION 3

Dawood M A, Khalaf S, Abed F

Postfire Response of GFRP-Reinforced Concrete Beams with Cement-Based and Intumescent Fireproofing Systems

Torunoglu I, Daloglu A T

Comparison of Integrated Force Method and Displacement Method for Metaheuristic Optimization of Civil Structural Systems

Sakar G. Celik H K

A Study on Methods to Increase the Ductility of Timber Beams

Hamadi D, Al-nadhari A, Hamadi S E, Legouirah M A Parametric Study of Rectangular Plates Under Large Deflection by a Quadrilateral Finité Element

Sevilmiş E, Kahya V, Şimşek S Effects of Cracks on Dynamic Behavior of Stepped Beams with General **Boundary Conditions**

Akdağ N, Demir U

A Cost-Effective Optimization of Post-Fire Strengthening of Reinforced Concrete Columns Using FRP Fabrics

İlipınar D

The Millennium Tent: A Critical Review on Astana Khan Shatyr

Aras A, Canca Ç

In the Context of Urban Memory Studies: The Relationship Between Boulevard and Architecture (ankara Apartments)

Abdelkhalek E, Dewidar K

Tectonics of Actively Bent Grid Shell, a Hollistic Design and Build Approach for Weaved Timber Morphology

Toprak E G

Examining the Earthquake Behavior of Kırıkkale Historical Steel Bridge with Numerical Analysis

Khojasteh N, Kalfa S M

The Impact of Metaverse on Architecture and Engineering Disciplines

Avcil E. Torunbalci N

Structural System Interventions in Adaptive Reused of Industrial Buildings: The Case of Ayvalik Rahmi Koc Museum

Karavin Y S, Demir U

Seismic Characterization and Vulnerability of Stone Masonry Buildins in Urla

COFFEE BREAK

10.00 - 10.15

10.15-11.45 SESSION 2

Özkan C, Tanaçan L

Graphite's Multifunctional Effects on Thermal Properties in Construction Materials

Aras A, Ergin BGreen Building Evaluation in Historical Buildings: The Case of Sveti Stefan Church (bulgarian Church)

Özdoğan M, Coşgun N

Deterioration in Buildings: A Study on Failure Analysis and Solutions

Gökgöz B İ, Gebel Ş, Takva Ç, Top S M, İlerisoy Z Y Evaluation of 3D Concrete Printing Production Processes with Multicriteria Decision-Making Methods

Ehven M, Metin B

Potential of Using Agricultural Wastes As Thermal Insulation Material: The Case of Wheat Straw Insulation on External Walls

Elçin E, Orhon A V

Parametric Modelling and Geometrical Arrangement of Ellipse-Plan Diagrid Structural System

Polat E, Erten Ş Y

An Examination of the Illumination Levels of Vertical Circulation Elements in Historical Buildings: Stair Towers of the Old Edirne Train Station Building

COFFEE BREAK

11.45 - 12.00

12.00-13.00 SESSION 3

Kabataş F H, Kalak M, Demirci Ö S

Comparison of Wooden Masonry (çantı) Technical Mosques in Near Geographies: Georgia Adjara Region and Trabzon Rural Architecture

Bideci A, Çelik O

Investigation of Windows of Traditional Houses in Duzce-Prusias Region

Nami S, Akhoundi F, Amer S

Seismic Assessment and Effectiveness of Structural Retrofitting Techniques: A Case Study of Industrial Chimneys at Khosravi Leather Factory in Tabriz

Gharehayaghi S, Akhoundi F

Vulnerability Assessment of Holy Mary Historical Church in East Azerbaijan, Íran According to Italian Guidelines

Demirci Ö S, Oğuz G P, Aydin Ö

In the Context of Protecting Ankara's Modern Architectural Heritage: Anafartalar Street

The Impact of Climate Change on Adobe Structures in UNESCO World Heritage List

Öztürk H T, Öztürk N

Performance of Ch-SAMP-Rao Algorithm on RC Slab Bridge Superstructure CO2 Emission Optimization: A New Improved Metaheuristic Algorithm

Celik H K. Sakar G

Seismic Performance Evaluation of Monopole Billboard Regarding Connection Stiffness

Distribution of Progressive Collapse Mechanisms in the Reinforced Concrete Shear Wall-Frame Systems

Prakash J, Daloğlu A T

Advanced Connection Topology Optimization in Steel Space Frames Using Metaheuristic Algorithms

İnan E, Canbazoğlu H N, Palanci M, Subaşı İ

Comparison of FRP and RC Jacketing Methods on the Behaviour of Old Buildings

Yakak B, Atmaca B, Aksoy H

Size Optimization of Truss Bridge Using BMR and BWR Algorithms

COFFEE BREAK

10.00 - 10.15

10.15-11.45 SESSION 2

Noorzad A J, Dilmac H

Investigation of P-M Interaction for Rrc Columns Confined with CFRP Sheets Under Uniaxial Bending

Chara A H, Toqey M M

Effect of Water to Binder (W/B) Ratio on Concrete Properties with Replacement of Biochar and Biochar with Supplementary Cementitious Materials (scms)

Effect of Shear Span-Depth Ratio on Recycled Coarse Aggregate Concrete Beams Without Stirrups

Köse M B. Cetin S Y

Investigation of Mechanical Properties of Ultra High Strength Concrete Under Various Fibers

Igdir M J A, Sert Y, Küçükömeroğlu T

Effect of Tin Coating Applied to New Generation Steel Material Used in Elevator Parts Subject to Friction

Baki V A, Nas M, Kuleyin H, Alalea K

The Impact of Calcite Impurities on the Mechanically Activated(mca) Montmorillonite Structure and Its Performance in Limestone Calcined Clay Cement (LC3) System

Yön M Ş, Cemalgil S Mechanical and High Temperature Properties of Geopolymer Mortars with Dunite Powder, Fly Ash and Polypropylene Fibers

COFFEE BREAK

11.45 - 12.00

12.00-13.00 SESSION 3

Erduran K S, Adekoya O O, Ünal U

Experimental and Numerical Study of the Influence of Bridge Pier Skew Angle on Dam Break Flood Flow and Impact Force

Marangoz H O, Anılan T Evaluation of Flood Propagation Dynamics Through Diffusion Wave-Based Two-Dimensional Modeling

Alyaz B N, Sorgun M

Comparison of Friction Factor Correlations for Non-Newtonian Fluids in Pipes Under Turbulent Flow

Usta R, Calim M H, Ikizler S B, Dayioglu A Y, Hatipoglu M, Erdogan I Experimental Investigation of the Filtration Performance of Various Demolition Waste-Geotextile Systems

Badawi B, Arama Z A

Behavior of Two Nearby Strip Foundation Located on Slope

Sari M, Yilmaz E, Kasap T, Keskin T

Valorization of Mixed Mine Tailings and Tea Powder Wastes for Underground Backfill Production: A Lab-Scale Study

Çağdaş B, Toprak B

Investigation of the Variation of Micro-Pile Parameters Under Moment Effect with Length Variation

Akçakal Ö, Hatipoğlu M

Alkali-Activated by-Product Materials As Alternative Binders in Deep Soil Mixing Applications

Nesrine A, Mohammed A M S, Youcef H

Probabilistic Analysis of Consolidated Soil

Kamiloğlu H A, Haşlak Ö

Prediction of Active Earth Thrusts Acting on a T-Type Cantilever Retaining Wall by Soft Computing Methods

Selek G, Yilmaz E, Sari M, Keskin T, Kasap T

Understanding the Permeability Behavior of Sand-Modified Cemented Paste Backfill

Akcay B, Sivrikaya O

Evaluation of the Bearing Capacity and Displacements of Strip Footings on Cohesionless Sloped Soils by Finite Element Analysis

COFFEE BREAK

10.00 - 10.15

10.15-11.45 SESSION 2

Güçlü G, Uzun B, Kafkas U, Yaylı M Ö Deformable Spring Effects on Axial Vibration of Rayleigh Bars Reinforced with Short Fibers

Tretjakovas J, Pileckienė J

Decrease of the Radius of Gyration of the I-Beam Column Due to Long-term Corrosion

Kapci C İ, Tekin M Z, Tariq A, Deliktaş B, Yayli M Ö Dynamic Characterization of Polycarbonate: A Constitutive Model Capturing Temperature and Strain Rate Effects

Avdın E. Alemdar F

Relationship Between Slot Gap Length and Fatigue Performance in Knife Plate Connections

Tuncer D, Sezer E, Ekmekci S, Uysal M, Sahin F, Aygün B

Ohmic Heating As a Novel Curing Method for Enhancing the Properties of Geopolymer Mortars Containing Waste Marble Powder

Koç S, Adıyaman G

Free Vibration Analysis of Carbon Nanotube Reinforced Composite Beams with Arbitrary CNT Distribution Based on Higher-Order Shear Deformation Theory

Alabsi S, Sunca F, Alabsi S, Altunışık A C

Numerical Simulation of Progressive Collapse Behavior in Self-Centering Precast Concrete Frames with Infill Walls

Simsek S, Kahya V

Comparative Analysis of Optimization Algorithms for Vibration-Based Damage Detection in Laminated Composite Beams

COFFEE BREAK

11.45 - 12.00

12.00-13.00 SESSION 3

Okur E K, Okur F Y, Altunışık A C

Structural Health Monitoring in Yusufeli Arch Dam

Esen M C, Güler K

The Importance of Evaluating Building Needs in Retrofitting Method Selection

Esen M C, Güler K

The Importance of Evaluating Building Needs in Retrofitting Method Selection

Tam G, Yön B

Evaluation of Strengthening RC Building with X Steel Cross Elements

Progressive Collapse and the Turkish Earthquake Code 2018: A Review for Precast Industrial Buildings

Larouzi B E, Fahjan Y

Ground Motion Parameters Importance in Machine Learning-Based **Damage Prediction**

Şen F, Sunca F, Altunışık A C

Pounding-Induced Seismic Response of Base-Isolated and Fixed-Base Buildings: Effect of Separation Distance

Yerli Y, Karakoç M M, Demir T, Demirel B, Özkaynak F

Evolution of Post-Earthquake Damage Assessment Forms: Practices and New Developments in Turkey

Gholami S, Akhoundi F, Aminifar E

Safety Assessment of Historical Residential Buildings in North West of Iran

Dedeoğlu İ Ö, Yetkin M, Calayır Y October 16, 2024, Akuşağı-Kale (malatya) Earthquake Seismic Characteristics and Investigation Directionality Effect

Özay R, Er Z G, Birben A R

The Importance of Urban Infrastructure in Disasters

Keçeci B, Alabsi S, Sunca F, Altunışık A C

Investigation of Progressive Collapse Behavior in Seismically and Non-Seismically Detailed RC Frames Under Middle Column Removal Scenario

Okur F Y, Altunışık A C, Okur E K Development of a Cloud-Based Website for Structural Health Monitoring in Engineering Structures

Okur F Y

Performance-Based Assessment with Numerical Modeling and Strengthening of an Masonry Historical Building

COFFEE BREAK

10.00 - 10.15

10.15-11.45 SESSION 2

Uzunhisarcıklı E, Karakuş M Ö, Dikmen Ç B Digitalization of Transportation with Artificial Intelligence: A Case Study of Yozgat

Yıldız T, Tanaçan L

Capillary Active Thermal Insulation Materials Used in Architecture

Urban Identity and Architectural Representation: A Studio Practice

Direk Y S, Direk N

Structural Damages of Van Ernis Village Institute Buildings

Dikmen Ç B, Uzunhisarcıklı E, Karakuş M Ö, Kırmızı E

Automated Detection and Spatial Analysis of Biophilic Design Elements Using the YOLO Algorithm

Kuru O N, Halicioğlu F H

A Review of Applications of Monte Carlo Simulation in Construction Risk Management



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