IMAEC - 11th INTERNATIONAL CONGRESS ON ADVANCED ENGINEERING, ARTIFICIAL INTELLIGENCE AND ARCHITECTURE

August 25-28, 2026 Bucharest/ROMANIA

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CONGRESS PROGRAM

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Meeting Link:
https://us06web.zoom.us/j/4603636838?pwd=Gx9rIRf5cUTPsZZ4pilDYkYWaaEAc6.1&omn=83230032466

Meeting ID: 460 363 6838
Password: 121314

PARTICIPANT COUNTRIES (6):
Pakistan, Nigeria, Azerbaijan, Uzbekistan, Pakistan, Türkiye

Türkiye: 13 **Other Countries: 24**

ÖNEMLİ, DİKKATLE OKUYUNUZ LÜTFEN / IMPORTANT, PLEASE READ CAREFULLY

Önemli, Dikkatle Okuyunuz Lütfen

- ✓ Kongremizde Yazım Kurallarına uygun gönderilmiş ve bilim kurulundan geçen bildiriler için online (video konferans sistemi üzerinden) sunum imkanı sağlanmıştır.
- ✓ Online sunum yapabilmek için **https://zoom.us/join** sitesi üzerinden giriş yaparak "Meeting ID or Personal Link Name" yerine ID numarasını girerek oturuma katılabilirsiniz.
- ✓ Zoom uygulaması ücretsizdir ve hesap oluşturmaya gerek yoktur.
- ✓ Zoom uygulaması kaydolmadan kullanılabilir.
- ✓ Uygulama tablet, telefon ve PC'lerde çalışıyor.
- ✓ Her oturumdaki sunucular, sunum saatinden 15 dk öncesinde oturuma bağlanmış olmaları gerekmektedir.
- ✓ Tüm kongre katılımcıları canlı bağlanarak tüm oturumları dinleyebilir.
- ✓ Moderatör – oturumdaki sunum ve bilimsel tartışma (soru-cevap) kısmından sorumludur.

Dikkat Edilmesi Gerekenler- TEKNİK BİLGİLER

- ✓ Bilgisayarınızda mikrofon olduğuna ve çalıştığına emin olun.
- ✓ Zoom'da ekran paylaşma özelliğine kullanabilmelisiniz.
- ✓ Kabul edilen bildiri sahiplerinin mail adreslerine Zoom uygulamasında oluşturduğumuz oturuma ait ID numarası gönderilecektir.
- ✓ **Katılım belgeleri kongre sonunda tarafınıza pdf olarak gönderilecektir**
- ✓ Kongre programında yer ve saat değişikliği gibi talepler dikkate alınmayacaktır

IMPORTANT, PLEASE READ CAREFULLY

- ✓ To be able to attend a meeting online, login via **https://zoom.us/join** site, enter ID "Meeting ID or Personal Link Name" and solidify the session.
- ✓ The Zoom application is free and no need to create an account.
- ✓ The Zoom application can be used without registration.
- ✓ The application works on tablets, phones and PCs.
- ✓ The participant must be connected to the session 15 minutes before the presentation time.
- ✓ All congress participants can connect live and listen to all sessions.
- ✓ Moderator is responsible for the presentation and scientific discussion (question-answer) section of the session.

Points to Take into Consideration - TECHNICAL INFORMATION

- ✓ Make sure your computer has a microphone and is working.
- ✓ You should be able to use screen sharing feature in Zoom.
- ✓ **Attendance certificates will be sent to you as pdf at the end of the congress.**
- ✓ Requests such as change of place and time will not be taken into consideration in the congress program.

Before you login to Zoom please indicate your name_surname and HALL number,

exp. Hall-1, Hakan ÖZTÜRK



Meeting ID: **460 363 6838**

Passcode: **121314**

IMPORTANT, PLEASE READ CAREFULLY

- *To be able to make a meeting online, login via https://zoom.us/join site, enter ID instead of "Meeting ID or Personal Link Name" and solidify the session.*
- *The Zoom application is free and no need to create an account.*
- *The Zoom application can be used without registration.*
- *The application works on tablets, phones and PCs.*
- *Speakers must be connected to the session 10 minutes before the presentation time.*
- *Online presentations; Presentation time is 10 minutes. There is 5 minutes of question and answer time.*
- *All congress participants can connect live and listen to all sessions.*
- *During the session, your camera should be turned on at least %70 of session period*
- *Moderator is responsible for the presentation and scientific discussion (question-answer) section of the session.*

TECHNICAL INFORMATION

- *Make sure your computer has a microphone and is working.*
- *You should be able to use screen sharing feature in Zoom.*
- *Attendance certificates will be sent to you as pdf at the end of the congress.*
- *Moderator is responsible for the presentation and scientific discussion (question-answer) section of the session.*

INTERNATIONAL SCIENTIFIC RESEARCH AND STRATEGY DEVELOPMENT ASSOCIATION
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Opening Ceremony

Online

Date: **August 27, 2026**

Time: *18:45*

Meeting Link:
https://us06web.zoom.us/j/4603636838?pwd=Gx9rIRf5cUTPsZZ4pilDYkYWaaEAc6.1&omn=83230032466

Meeting ID: **460 363 6838**
Password: **121314**

Speech:

Dr. Nadire KANTARCIOĞLU
UBSDER President, Türkiye

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August 25-28, 2026 Bucharest/ROMANIA

ONLINE

27.08.2026	SESSION-1 / HALL-1
Bucharest/ROMANIA	TÜRKİYE TIME: 19:00

CHAIR: Asst. Prof. Dr. Günay TEMÜR

Author(s)	Affiliation	Title
Asst. Prof. Dr. Günay TEMÜR	Düzce University, Gölyaka Vocational School	DATASET CHARACTERIZATION VECTOR (DCV): A DATA-CENTRIC FRAMEWORK FOR OBJECT DETECTION DATASETS
Asst. Prof. Dr. Esra ODABAŞ YILDIRIM	Atatürk University, Faculty of Engineering, Erzurum, Türkiye	COMPARATIVE ANALYSIS OF THE EFFECT OF CLIENT ACCESSIBILITY AND DATA HETEROGENEOUSNESS ON MODEL PERFORMANCE IN FEDERATED LEARNING
Muhammad FAISAL	Joint Director, AICU, Ministry of Information Technology and Telecommunication, Pakistan	SMART HUKUMAT INTEGRATING AI-DRIVEN GOVERNANCE AND PREDICTIVE ANALYTICS INTO FEDERAL ADMINISTRATION
Abdalhamid ALBEIK Lecturer Elif YILDIRIM Dr. İsa AVCI	Karabük University, Department of Computer Engineering, Karabük, Türkiye	EXPLAINABLE ENSEMBLE LEARNING-BASED INTRUSION DETECTION SYSTEM (IDS) FOR SMART CAMPUS NETWORKS
Lecturer Elif YILDIRIM Dr. İsa AVCI	Karabük University, Department of Computer Engineering, Karabük, Türkiye	DEEP LEARNING-BASED SMS SPAM DETECTION: A COMPARATIVE STUDY OF CNN, LSTM, AND GRU
İrem CAKCAK Dr. Burhan DUMAN	Isparta University of Applied Sciences; Graduate Education Institute / Faculty of Technology, Isparta, Türkiye	COMPARISON OF LIGHTWEIGHT VISION LANGUAGE MODELS ON EDGE DEVICES FOR RISK ANALYSIS OF AUTONOMOUS DRIVING IN ADVERSE WEATHER CONDITIONS

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ONLINE

27.08.2026	SESSION-1 / HALL-2
Bucharest/ROMANIA	TÜRKİYE TIME: 19:00

CHAIR: Asst. Prof. Dr. Yaşar ERBAŞ

Author(s)	Affiliation	Title
Lecturer Dr. İsmail KILIÇ	Yozgat Bozok University, Yozgat Vocational School, Department of Design, Yozgat, Türkiye	A CONCEPTUAL PARAMETRIC DESIGN FRAMEWORK FOR THE ASSESSMENT OF STRUCTURAL BEHAVIOUR OF GLULAM BEAMS
Asst. Prof. Dr. Yaşar ERBAŞ	Bartın University, Faculty of Engineering, Architecture and Design, Department of Civil Engineering, Türkiye	FINITE ELEMENT INVESTIGATION OF THE ELASTIC BUCKLING RESPONSE OF HEA STEEL COLUMNS WITH SEMI-RIGID END RESTRAINTS
Oluwanifemi Opeyemi AGOI Moses Adeolu AGOI Olayemi Grace ABIMBOLA Rasheed Olatunde AJETUNMOBI	Obafemi Awolowo University, Osun, Nigeria; Lagos State University of Education, Lagos, Nigeria	AI-POWERED MATERIALS INFORMATICS: TRANSFORMING TRADITIONAL MATERIAL SCIENCE INTO DATA-DRIVEN ENGINEERING
Moses Adeolu AGOI Micheal Olayemi OLADUNJOYE Oluwanifemi Opeyemi AGOI Hendri Hermawan ADINUGRAHA	Lagos State University of Education, Lagos, Nigeria; Obafemi Awolowo University, Osun, Nigeria; Universitas Islam Negeri K.H. Abdurrahman Wahid Pekalongan, Indonesia	AI-ENHANCED ADDITIVE MANUFACTURING: TRANSFORMING MATERIAL ENGINEERING THROUGH INTELLIGENT 3D PRINTING
Berat EJDER Prof. Dr. İsmail KIYAK Dr. Faruk AYDIN	Marmara University, Institute of Science / Department of Electrical and Electronics Engineering	COMPARATIVE ANALYSIS OF THE SWITCHING PERFORMANCE OF DIFFERENT SEMICONDUCTOR TECHNOLOGIES (SI, GAN, AND SIC) USING SIMULATION
Dr. Özge GÜNEŞ YAVRU	Bursa Uludağ University, İnegöl Vocational School	MACHINE LEARNING-BASED PREDICTION AND OPTIMIZATION OF PASSIVE DESIGN PARAMETERS FOR ENERGY-EFFICIENT BUILDINGS UNDER BURSA CLIMATE CONDITIONS
Emil Raul oğlu AĞAYEV	Azerbaijan State Pedagogical College under Azerbaijan State Pedagogical University, Subject Combination Commission “Art and Physical Education”	THE VEDUTA GENRE IN 20TH-CENTURY AZERBAIJANI PAINTING

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27.08.2026	SESSION-1 / HALL-3
Bucharest/ROMANIA	TÜRKİYE TIME: 19:00

CHAIR: Asst. Prof. Dr. Yusuf ÇELİK

Author(s)	Affiliation	Title
Asst. Prof. Dr. Sezin BARIN	Afyon Kocatepe University, Faculty of Engineering	COMPARATIVE ORGAN-LEVEL RELIABILITY ANALYSIS OF FOUNDATION MODELS FOR MULTI-ORGAN CT SEGMENTATION
Asst. Prof. Dr. Yusuf ÇELİK	Munzur University, Faculty of Engineering, Department of Computer Engineering	A DEEP LEARNING APPROACH FOR AUTOMATED CLASSIFICATION OF EYE DISEASES FROM FUNDUS IMAGES
Ezelhan DİKMENLİOĞLU Asst. Prof. Dr. Ulaş YURTSEVER	Sakarya University; Institute of Natural Sciences / Faculty of Computer and Information Sciences, Department of Computer Engineering / Interdisciplinary Artificial Intelligence Laboratory, Sakarya, Türkiye	DEEP LEARNING-BASED HEART MURMUR DETECTION USING FUSION OF LOG-MEL SPECTROGRAMS AND NUMERICAL FEATURES
Lecturer. Yusuf Ali AKAR Assoc. Prof. Dr. Dr. Daver ALİ	Department of Therapy and Rehabilitation, Disabled Care and Rehabilitation Program, Tuzluca Vocational School, Iğdır, Türkiye; Karabük University, Faculty of Engineering and Natural Sciences, Department of Biomedical Engineering, Karabük, Türkiye	BIOPRESERVATION IN TISSUE ENGINEERING: PRINCIPLES, STRATEGIES, AND APPLICATIONS

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27.08.2026	SESSION-2 / HALL-1
Bucharest/ROMANIA	TÜRKİYE TIME: 19:30

CHAIR: Dilshod RAKHIMOV

Author(s)	Affiliation	Title
Dilshod RAKHIMOV Aziza KARIMOVA	Tashkent State Technical University, Tashkent, Uzbekistan	ARTIFICIAL INTELLIGENCE-BASED PREDICTIVE MODELS FOR ENERGY-EFFICIENT INDUSTRIAL SYSTEMS
Bekzod ABDULLAYEV Shahnoza TURSUNOVA Kamola YULDASHEVA	Tashkent University of Information Technologies, Tashkent, Uzbekistan	DEEP LEARNING APPLICATIONS IN INTELLIGENT TRANSPORTATION SYSTEMS: A STUDY OF URBAN MOBILITY IN UZBEKISTAN
Rustam ISMOILOV Nigora ABDURAKHMONOVA Javlon RASULOV Mohira SOBIROVA	Samarkand State University, Samarkand, Uzbekistan	THE INTEGRATION OF ARTIFICIAL INTELLIGENCE AND BUILDING INFORMATION MODELING IN SUSTAINABLE ARCHITECTURAL DESIGN
Farrukh NARZULLAYEV Dilnoza KHOLMATOVA	Turin Polytechnic University in Tashkent, Tashkent, Uzbekistan	MACHINE LEARNING TECHNIQUES FOR STRUCTURAL DAMAGE DETECTION IN CIVIL ENGINEERING
Sherzod MAMATOV Gulbahor TOSHPOLATOVA Azizbek ERGASHEV	Andijan Machine Building Institute, Andijan, Uzbekistan	ARTIFICIAL INTELLIGENCE-SUPPORTED SMART MANUFACTURING SYSTEMS IN ADVANCED ENGINEERING APPLICATIONS

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27.08.2026	SESSION-2 / HALL-2
Bucharest/ROMANIA	TÜRKİYE TIME: 19:30

CHAIR: Timur KHUDAYBERDIYEV

Author(s)	Affiliation	Title
Akmal DJURAYEV Malika YUSUPOVA	Bukhara State University, Bukhara, Uzbekistan	ARTIFICIAL INTELLIGENCE APPLICATIONS IN SMART CONSTRUCTION PROJECT MANAGEMENT: AN EXPERIMENTAL STUDY
Nodira RAKHMONOV Azizbek KHASANOV, Sardor TULAGANOV	Namangan Engineering Construction Institute, Namangan, Uzbekistan	PARAMETRIC DESIGN APPROACHES FOR SUSTAINABLE ARCHITECTURAL DEVELOPMENT IN CENTRAL ASIA
Timur KHUDAYBERDIYEV Sevara ABDULLAYEVA Bekzod KADIROV Dilafruz SOBIROVA	Karshi Engineering Economics Institute, Karshi, Uzbekistan	AN ARTIFICIAL NEURAL NETWORK MODEL FOR OPTIMIZING STRUCTURAL ENGINEERING PROCESSES
Shakhzod MIRZAYEV Gulnora RUZIYEVA	Urgench State University, Urgench, Uzbekistan	THE ROLE OF ARTIFICIAL INTELLIGENCE IN DIGITAL TRANSFORMATION WITHIN ENGINEERING EDUCATION
Davron TASHMATOV Mohira ISMAILOVA Azizbek RAHIMOV	Fergana Polytechnic Institute, Fergana, Uzbekistan	SMART CITY ARCHITECTURE AND ARTIFICIAL INTELLIGENCE: INNOVATIVE SOLUTIONS FOR SUSTAINABLE URBAN DEVELOPMENT

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27.08.2026	SESSION-2 / HALL-3
Bucharest/ROMANIA	TÜRKİYE TIME: 19:30

CHAIR: Bobur KHOLMATOV

Author(s)	Affiliation	Title
Aziz RASHIDOV Feruza KHAMIDOVA	Tashkent Institute of Architecture and Civil Engineering, Tashkent, Uzbekistan	ARTIFICIAL INTELLIGENCE-ASSISTED STRUCTURAL ANALYSIS FOR HIGH-RISE BUILDING DESIGN
Sherzod KADIROV Nilufar ABDURAKHMONOVA Javokhir YULDASHEV	Navoi State University, Navoi, Uzbekistan	ADVANCED ENGINEERING SOLUTIONS FOR SMART INFRASTRUCTURE DEVELOPMENT USING MACHINE LEARNING TECHNIQUES
Bobur KHOLMATOV Sitora NARZULLAYEVA Dilorom ERGASHEVA Kamoliddin TURSUNOV	Samarkand State University of Architecture and Civil Engineering, Samarkand, Uzbekistan	BUILDING INFORMATION MODELING AND ARTIFICIAL INTELLIGENCE INTEGRATION IN MODERN ARCHITECTURAL PRACTICES
Akbarjon MAMATOV, Gulchehra TOJIBOYEVA	Tashkent State Transport University, Tashkent, Uzbekistan	OPTIMIZATION OF INTELLIGENT TRANSPORTATION NETWORKS THROUGH ARTIFICIAL INTELLIGENCE-BASED ENGINEERING MODELS
Umida YAKUBOVA Bekzod MAMAJONOV Shahzoda ISLOMOVA	Andijan State Technical Institute, Andijan, Uzbekistan	THE APPLICATION OF GENERATIVE ARTIFICIAL INTELLIGENCE IN CONTEMPORARY ARCHITECTURAL DESIGN PROCESSES

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27.08.2026	SESSION-2 / HALL-4
Bucharest/ROMANIA	TÜRKİYE TIME: 19:30

CHAIR: Muhammad FAROOQ

Author(s)	Affiliation	Title
Ayesha KHAN Muhammad USMAN	National University of Sciences and Technology (NUST), Islamabad, Pakistan	ARTIFICIAL INTELLIGENCE-DRIVEN OPTIMIZATION OF SMART BUILDING ENERGY MANAGEMENT SYSTEMS
Fatima ALI Ahmed RAZ Sana IQBAL	COMSATS University Islamabad, Pakistan	DEEP LEARNING APPROACHES FOR INTELLIGENT TRAFFIC MANAGEMENT IN URBAN ENVIRONMENTS
Zain ABBAS Hira JAVED Bilal AHMED Maria NOOR	University of Engineering and Technology (UET), Lahore, Pakistan	INTEGRATING ARTIFICIAL INTELLIGENCE INTO SUSTAINABLE ARCHITECTURAL DESIGN: A CASE STUDY OF SMART CITIES IN PAKISTAN
Muhammad FAROOQ Amina SHAH Hassan MAHMOOD	Mehran University of Engineering and Technology, Jamshoro, Pakistan	A COMPARATIVE ANALYSIS OF MACHINE LEARNING ALGORITHMS FOR STRUCTURAL HEALTH MONITORING IN CIVIL ENGINEERING
Ali HUSSAIN Rabia SAEED	University of the Punjab, Lahore, Pakistan	ARTIFICIAL INTELLIGENCE-BASED BUILDING INFORMATION MODELING FOR ENHANCING ARCHITECTURAL PROJECT MANAGEMENT

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