

# 12<sup>th</sup> INTERNATIONAL AEGEAN CONGRESS ON INNOVATION TECHNOLOGIES & ENGINEERING

*February 25-26, 2026 – İzmir*



**Meeting ID: 847 7043 0612**

**Zoom Passcode: 121212**

<https://us02web.zoom.us/j/84770430612?pwd=Xf0zxSH1Khq8K9IJzmHb28UDkSWsaC.1>

## CONGRESS PROGRAM

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### PARTICIPANT COUNTRIES (7)

Algeria, India, Morocco, Nigeria, Pakistan, Kuwait, Türkiye

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### *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.
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- ❖ 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.
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- ◆ 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.

**25.02.2026, Wednesday, Online Session-1, Hall-1**

**Ankara Local Time: 10:00-12:00**

**Meeting ID: 847 7043 0612 / Passcode: 121212**

**HEAD OF SESSION: Asst. Prof. Dr. Emre DEMİRCİ**

<b>AUTHOR(S)</b>	<b>ORGANISATION</b>	<b>TOPIC TITLE</b>
Şenay YETİŞİR ER Kübra YILDIZ Yeşim SEÇER KAVASOĞLU Burak ATİK Şükran Merve TÜZEMEN Yusuf Burak BOZKURT Yakup UZUN Halim KOVACI Ayhan ÇELİK Ömer ERDOĞAN	<i>Atatürk University, Türkiye</i>	EFFECTS OF LASER MARKING PARAMETERS ON SURFACE MORPHOLOGY AND QUALITY IN AISI 316L STAINLESS STEEL
Fethi Ahmet ÇAKMAK Fatih SELİMEFENDİGİL	<i>Manisa Celal Bayar University, Türkiye</i>	THE EFFECT OF INTERNAL SURFACE OPTICAL PROPERTIES ON EFFICIENCY IN SOLAR DISTILLERS: MATTE BLACK PAINT APPLICATION
Abdullah Emre DEMİR Prof. Dr. Dilek KUMLUTAŞ Dr. Utku Alp YÜCEKAYA Dr. Hasan AVCI Merih GÜLEN Öncel DİLBAZ	<i>Franke Kitchen and Bathroom Systems Inc., Türkiye Dokuz Eylül University, Türkiye</i>	INVESTIGATION OF THE INDUSTRIAL APPLICABILITY OF RECYCLED MATERIAL USE IN THERMOPLASTIC RAW MATERIALS FOR RANGE HOOD APPLICATIONS
Asst. Prof. Dr. Emre DEMİRCİ	<i>Bursa Technical University, Türkiye</i>	EFFECT OF 3D LATTICE DESIGNS ON THE STRUCTURAL PERFORMANCE OF AN AUTOMOTIVE BRAKE PEDAL
Prof. Dr. Ufuk CEBECİ Res. Asst. Arda ASLAN	<i>Istanbul Technical University, Türkiye</i>	A DIGITAL TWIN-ENABLED HYBRID ANOMALY DETECTION AND DECISION SUPPORT SYSTEM FOR SPACECRAFT TELEMETRY DATA

**25.02.2026, Wednesday, Online Session-2, Hall-1**

**Ankara Local Time: 12:30-14:30**

**Meeting ID: 847 7043 0612 / Passcode: 121212**

**HEAD OF SESSION: Asst. Prof. Muhammad FAISAL**

<b>AUTHOR(S)</b>	<b>ORGANISATION</b>	<b>TOPIC TITLE</b>
Asst. Prof. Muhammad FAISAL	<i>Allama Iqbal Open University, Pakistan</i>	IMPLEMENTATION FRAMEWORK FOR INTERNATIONAL-STANDARD AI INTEGRATION IN PAKISTAN RAILWAYS, A STRATEGIC ROADMAP FOR THE IT DIRECTORATE
Asst. Prof. Muhammad FAISAL	<i>Allama Iqbal Open University, Pakistan</i>	STRATEGIC FRAMEWORK FOR AI IMPLEMENTATION IN PAKISTAN RAILWAYS, A ROADMAP FOR THE IT DIRECTORATE
Amadi Oko AMADI Osita Ngozika ANN Ifeanyi Moses IWUEZE Okpo Charles NNANNA	<i>Akanu Ibiam Federal Polytechnic, Nigeria Federal Polytechnic Nekede, Nigeria</i>	3D/4D BIOMEDICAL IMAGE PROCESSING WITH SPATIO-TEMPORAL TRANSFORMERS
Nabil Ahmed KHAN Rehan KHAN Mohd KHALID Mohammad PARVEJ Ahmad Yusuf ADHAMI	<i>Aligarh Muslim University, India IIT Hyderabad, India</i>	HYBRID MACHINE LEARNING-DRIVEN FORECASTING AND NEUTROSOPHIC OPTIMIZATION OF CRYPTOCURRENCY MARKETS
Vaibhav Kant SINGH Kapil Kumar NAGWANSHI Samanvay SINGH	<i>Guru Ghasidas Vishwavidyalaya, India</i>	LITERATURE REVIEW AND PROPOSING AN EYE DISEASE (CATARACT) DETECTION CMS USING THE LATEST CV AND ML TECHNOLOGIES FOR THE CONSERVATION OF TRIBES OF CHHATTISGARH
Mr. Pramant MAHTO	<i>Srinath University, India</i>	DEEP LEARNING ARCHITECTURES FOR COMPUTER VISION
Bonouali OUMAIMAA Hamza ALAA Fatima AQEL	<i>Hassan 1st University, Morocco</i>	A FOURIER NEURAL OPERATORS APPROACH FOR SIMULATING OF A CLASS OF NONLINEAR PERIODIC DIFFERENTIAL SYSTEMS

**25.02.2026, Wednesday, Online Session-3, Hall-1**

**Ankara Local Time: 15:00-17:00**

**Meeting ID: 847 7043 0612 / Passcode: 121212**

**HEAD OF SESSION: Muzamal HUSSAIN**

<b>AUTHOR(S)</b>	<b>ORGANISATION</b>	<b>TOPIC TITLE</b>
MITULRAAMSUNDAR G	<i>R.M.K. Engineering College, India</i>	MAXIMA MINIMA AND ITS APPLICATIONS IN ENGINEERING
J Nanda KISHORE Nagaraj P G Narasapuram NEERAJ Rahul Sai BUJJI Rahul T Revanth Kumar N S	<i>R.M.K. Engineering College, India</i>	MULTIPLE INTEGRALS AND CHANGE OF ORDER OF INTEGRATION – AREA ENCLOSED BY CARTESIAN COORDINATES IN ENGINEERING APPLICATIONS
Muzamal HUSSAIN	<i>University of Rasul, Pakistan</i>	A NOVEL APPROACH FOR THE SIMULATION OF FLEXIBLE COMPOSITES: EVALUATING THE STRENGTH OF POISSON'S RATIO
Janaardan S Jeyanth R Barani Chandran S Lokeshwaran T Santhosh C Bharathi S	<i>RMK Engineering College, India</i>	A STUDY ON MATRICES AND CALCULUS FOR ENGINEERING APPLICATIONS
G.P. ASHWINKUMAR U. SHIVAKUMARA B. RANJANA P. NANDA C. SULOCHANA	<i>Vijayanagara Sri Krishnadevaraya University, India Government First Grade College, India</i>	INSIGHTS INTO ENHANCED HEAT TRANSFER IN MGO+CUO HYBRID NANOFLUID DUE TO MODIFIED XUE AND MAXWELL NANOMODELS
Shafiya F. TAMBOLI A. B. MAHADIK Mohammad Azim U. PATHAN Sadaf M. SHERKAR	<i>Bharati Vidyapeeth College of Engineering (Diploma), India</i>	SPIROAI: INNOVATION TECHNOLOGY FOR ADVANCED LUNG HEALTH MONITORING

**26.02.2026, Thursday, Online Session-1, Hall-1**

**Ankara Local Time: 10:00-12:00**

**Meeting ID: 847 7043 0612 / Passcode: 121212**

**HEAD OF SESSION: Merve KÜÇÜK**

<b>AUTHOR(S)</b>	<b>ORGANISATION</b>	<b>TOPIC TITLE</b>
Lect. Osman AKÇAY Mustafa ÇULLU	<i>Gümüşhane University, Türkiye</i>	INVESTIGATION OF THE EFFECTS OF CONCRETE MIX DESIGN VARIATIONS ON SULFATE RESISTANCE
Dr. Aytekin ULUTAŞ	<i>Balikesir University, Türkiye</i>	DISPERSION-INTERFACE INTERACTION DRIVEN THERMAL DEGRADATION KINETICS: THE CASE OF PMMA/CO <sub>3</sub> O <sub>4</sub> NANOCOMPOSITES
Prof. Dr. Alptekin KISASÖZ Lect. Dr. Yahya BAYRAK Nilda Buket KARA	<i>Yildiz Technical University, Türkiye</i>	PRODUCTION AND PROPERTIES OF PURE ALUMINIUM MATRIX B <sub>4</sub> C-CEO <sub>2</sub> REINFORCED COMPOSITES
Uğur BAŞKAYA Assoc. Prof. Dr. Funda AK AZEM	<i>Dokuz Eylül University, Türkiye</i>	METALLURGICAL AND MECHANICAL CHARACTERISTICS OF LPDC-PRODUCED A356 WHEELS USING SCRAP WHEEL- DERIVED ALUMINUM INGOTS
Assoc. Prof. Dr. Burhan BEZEKÇİ	<i>Kilis 7 Aralık University, Türkiye</i>	BAYESIAN PHYSICS-INFORMED NEURAL NETWORKS FOR ANALYZING EPIDEMIC DYNAMICS IN THE SIR MODEL
Enes KOÇ Işıl GÖZÜBEK Prof. Dr. Hasan ARSLANOĞLU	<i>Çanakkale Onsekiz Mart University, Türkiye</i>	IMPROVEMENT OF ELECTRICAL PERFORMANCE OF LEAD-FREE (BI <sub>0.47</sub> NA <sub>0.47</sub> BA <sub>0.06</sub> )TiO <sub>3</sub> (BNT-6BT) PIEZOELECTRIC CERAMICS BY DUAL DOPING WITH CEO <sub>2</sub> AND LA <sub>2</sub> O <sub>3</sub>
Ozgen YALCIN Nouf F SH N ALMUTAIRI	<i>American University of the Middle East, Kuwait</i>	COMPUTATIONAL INVESTIGATION OF VOLATILE ORGANIC COMPOUNDS (VOC) ADSORPTION TRENDS ON UIO-66 CLUSTER MODELS

**26.02.2026, Thursday, Online Session-2, Hall-1**

**Ankara Local Time: 12:30-14:30**

**Meeting ID: 847 7043 0612 / Passcode: 121212**

**HEAD OF SESSION: SOUICI Abdelaziz**

<b>AUTHOR(S)</b>	<b>ORGANISATION</b>	<b>TOPIC TITLE</b>
OUMAIMA EL MTIOUY HAMID ESSABIR	<i>National School of Applied Sciences of Agadir, Ibn Zohr University, Morocco</i>	VALORIZATION OF AGRICULTURAL WASTE IN SUSTAINABLE BIOCOMPOSITES: ENHANCING MECHANICAL PROPERTIES WITH NATURAL FIBER REINFORCEMENTS
Dr. Shama ISLAM Dr. Syed Shahabuddin ASHRAF Dr. Zubair ASLAM Dr. Mohd SHOAB	<i>Jamia Hamdard, India</i>	INTEGRATED PHOTOCAPACITOR BASED ON CNT DOPED POLYMER ELECTRODE, SYNTHESIS MORPHOLOGY AND ELECTROCHEMICAL PERFORMANCE
RAHAL Nacer BENMAHDI Khaled BEGHDAD Houda SOUICI Abdelaziz	<i>Mustapha Stambouli University, Algeria</i>	EFFECT OF CONSTANT AXIAL LOADS ON THE RESPONSE OF REINFORCED CONCRETE COLUMNS
BEGHDAD Houda RAHAL Nacer SOUICI Abdelaziz	<i>Mustapha Stambouli University, Algeria</i>	THE TEMPORAL BEHAVIOR OF AXIALLY LOADED CFST COLUMNS
SOUICI Abdelaziz RAHAL Nacer BEGHDAD Houda	<i>Mustapha Stambouli University, Algeria</i>	EXPLOITATION OF RHEOROLOGY SYSTEMS IN THE STUDY OF THE DEFLEXION OF A MIXED BEAM SUBJECTED TO THE EFFECTS OF CONCRETE SHRINKAGE