

12th 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

PARTICIPANT COUNTRIES (7)

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

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- ❖ The application works on tablets, phones and PCs.
- ❖ The participant must be connected to the session 5 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.

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 | | |
|---|--|---|
| AUTHOR(S) | ORGANISATION | TOPIC TITLE |
| 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 SELİMEFENDİĞİL | <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 KUMLUТАŞ Dr. Utku Alp YÜCEKAYA Dr. Hasan AVCI Merih GÜLEN Öncel DİLBAZ | <i>Franke Kitchen and Bathroom Systems Inc., Türkiye</i> <i>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 | | |
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| AUTHOR(S) | ORGANISATION | TOPIC TITLE |
| 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 ADHAM | <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 | | |
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| AUTHOR(S) | ORGANISATION | TOPIC TITLE |
| 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</i> <i>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 | | |
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| AUTHOR(S) | ORGANISATION | TOPIC TITLE |
| 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>Balıkesir University, Türkiye</i> | DISPERSION-INTERFACE INTERACTION DRIVEN THERMAL DEGRADATION KINETICS: THE CASE OF PMMA/CO ₃ O ₄ NANOCOMPOSITES |
| Prof. Dr. Alptekin KISASÖZ Lect. Dr. Yahya BAYRAK Nilda Buket KARA | <i>Yıldız Technical University, Türkiye</i> | PRODUCTION AND PROPERTIES OF PURE ALUMINIUM MATRIX B ₄ C-CEO ₂ 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 İşilay GÖZÜBEK Prof. Dr. Hasan ARSLANOĞLU | <i>Çanakkale Onsekiz Mart University, Türkiye</i> | IMPROVEMENT OF ELECTRICAL PERFORMANCE OF LEAD-FREE (Bi0.47Na0.47Ba0.06)TiO ₃ (BNT-6BT) PIEZOELECTRIC CERAMICS BY DUAL DOPING WITH CEO ₂ AND LA ₂ O ₃ |
| 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
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| HEAD OF SESSION: SOUICI Abdelaziz | | |
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| AUTHOR(S) | ORGANISATION | TOPIC TITLE |
| 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 |