

11th INTERNATIONAL USBILIM APPLIED SCIENCES

April 27-30, 2026 Çankırı/TÜRKİYE



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CONGRESS PROGRAM

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PARTICIPANT COUNTRIES (11):

Azerbaijan, Bosnia and Herzegovina, Pakistan, USA, Morocco, Serbia, Romania, India, Iran, Poland, Türkiye

Türkiye: 53

Other Countries: 64

CONGRESS PROGRAM

- **Venue:** Çankırı Karatekin University Vocational School
- **Hall:** 50th Year Conference Hall
- **Date:** April 27–28, 2026

DAY 1 – Monday, April 27, 2026

🕒 10:00 – 10:30

- ◆ Congress Registration & Badge Distribution

🕒 10:30 – 12:00

Opening Ceremony

- Moment of Silence & National Anthem

Performed by: A Sip of Anatolia Legend Folk Dance Ensemble

Opening Speeches

Honorary President of the Congress
Prof. Dr. Mevlüt KARATAŞ
Rector

Congress President
Assoc. Prof. Dr. Ömer Cem KARAKOÇ
Director of Vocational School

Dr. Nadire KANTARCIOĞLU
President of UBSDER

Plaque Presentation Ceremony

Assist. Prof. Dr. Çağatay ERSİN
Chair of the Organizing Committee

Assist. Prof. Dr. Gönül GÜL

Chair of the Organizing Committee

Assoc. Prof. Dr. Ömer Cem KARAKOÇ
Congress President

Prof. Dr. Mevlüt KARATAŞ

Honorary President of the Congress-Rector

Traditional Turkish Clothing Fashion Show

Design Exhibition
Technical Exhibition

12:30 – 14:30

🍽️ Congress Lunch

◆ Sessions (Session I)

Session Schedule:

14:30 – 15:30 → Presentations

15:30 – 16:00 → Presentations

16:00 – 16:15 → ☕ Coffee Break & Social Activity

16:15 – 17:30 → Presentations

DAY 2 – Tuesday, April 28, 2026

📅 10:30 – 19:00

◆ Sessions (Session II)

Session Schedule:

10:30 – 12:15 → Presentations

Çankırı Cultural Tour

📍 **Visit Points: 12:30 – 18:00**

- Çankırı Radio and Communication Museum
- Çivitçioğlu Madrasa
- Çankırı Salt Cave

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FACE TO FACE

27.04.2026

YUNUS EMRE



Çankırı/TÜRKİYE



TÜRKİYE TIME: 14³⁰-17³⁰

CHAIR: Prof. Dr. Şinasi AŞKAR

| Author(s) | Affiliation | Title |
|---|--|---|
| Assoc. Prof. Dr. Ömer Cem KARAKOÇ Assoc. Prof. Dr. Mehmet SEZGIN Prof. Dr. Şinasi AŞKAR | Çankırı Karatekin University, Vocational School | ESSENTIAL OIL PROFILE OF THE ÇANKIRI ENDEMIC SPECIES HELIANTHEMUM GERMANICOPOLITANUM BORNM. |
| Süleyman KOCAASLAN Assoc. Prof. Dr. Ömer Cem KARAKOÇ | Çankırı Karatekin University, Vocational School | INSECTICIDAL ACTIVITIES OF SOME PLANT EXTRACTS AGAINST SITOPHILUS GRANARIUS L. AND TRIBOLIUM CONFUSUM JACQUELIN DU VAL |
| Lecturer Dr. İkbal AY KEÇELİ Prof. Dr. Bahattin AYDINLI | Çankırı Karatekin University, Vocational School & Kastamonu University, Faculty of Education | CO-PYROLYSIS OF SUNFLOWER MEAL AND BORON MINING WASTE: INVESTIGATION OF PRODUCT DISTRIBUTION AND SOLID PRODUCT MORPHOLOGY |
| Lecturer Dr. İkbal AY KEÇELİ Prof. Dr. Bahattin AYDINLI | Çankırı Karatekin University, Vocational School & Kastamonu University, Faculty of Education | INVESTIGATION OF PRODUCT DISTRIBUTIONS OBTAINED FROM THE PYROLYSIS OF BORON MINING WASTE AT DIFFERENT PARTICLE SIZES |
| Prof. Dr. Şebnem KUŞVURAN Assoc. Prof. Dr. Ebru DERELLİ TÜFEKÇİ | Çankırı Karatekin University Çankırı Karatekin University | MORPHOLOGICAL AND PHYSIOLOGICAL EFFECTS OF BIOSTIMULANT APPLICATIONS ON BASIL UNDER SALT STRESS CONDITIONS |
| Metin ÇAPA Prof. Dr. Şebnem KUŞVURAN Assoc. Prof. Dr. Ebru DERELLİ TÜFEKÇİ | Çankırı Karatekin University Çankırı Karatekin University Çankırı Karatekin University | THE EFFECT OF DIFFERENT BIOSTIMULANT APPLICATIONS ON SALT TOLERANCE IN CRESS |
| Asst. Prof. Dr. Mustafa TEKE Asst. Prof. Dr. Mahmud Esad YİĞİT | Çankırı Karatekin University, Faculty of Engineering | CLASSIFICATION OF STEEL PLATE FAULTS WITH ADASYN-BASED UNBALANCED DATA SAMPLING AND SHAP ANALYSIS |
| Asst. Prof. Dr. Mahmud Esad YİĞİT Asst. Prof. Dr. Mustafa TEKE | Çankırı Karatekin University, Faculty of Engineering | PSO AND GWO-BASED PID CONTROLLER APPROACHES FOR WIND TURBINE POWER REGULATION AT VARIABLE WIND SPEEDS |
| Lecturer Huri Firdevs FURKAN | Çankırı Karatekin University, Vocational School | POTENTIAL ANALYSIS OF RENEWABLE ENERGY SOURCES IN ÇANKIRI PROVINCE |
| | | |

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FACE TO FACE

27.04.2026

KARATEKİN



Çankırı/TÜRKİYE



TÜRKİYE TIME: 14³⁰-17³⁰

CHAIR: Asst. Prof. Dr. Mehmet GÜNEŞ

| Author(s) | Affiliation | Title |
|---|---|---|
| Asst. Prof. Dr. Çağatay ERSİN | Çankırı Karatekin University, Vocational School | DEEP LEARNING-BASED SKIN DISEASE DETECTION: A DECISION SUPPORT SYSTEM ENHANCED WITH EFFICIENTNET |
| Asst. Prof. Dr. Çağatay ERSİN | Çankırı Karatekin University, Vocational School | COMPUTER VISION-BASED STUDENT ATTENTION ANALYSIS SYSTEM WITH REAL-TIME FACE AND EYE DETECTION IN THE CLASSROOM |
| Lecturer Dr. Yusuf Alperen ŞİŞMAN Asst. Prof. Dr. Mehmet GÜNEŞ | Ondokuz Mayıs University, Vezirköprü Vocational School & Çankırı Karatekin University, Vocational School | THE USE OF ARTIFICIAL INTELLIGENCE IN IDENTIFYING WOOD DEFECTS |
| Lecturer Dr. Yusuf Alperen ŞİŞMAN Asst. Prof. Dr. Mehmet GÜNEŞ | Ondokuz Mayıs University, Vezirköprü Vocational School & Çankırı Karatekin University, Vocational School | ALTERNATIVE BINDERS TO FORMALDEHYDE IN WOOD-BASED COMPOSITE PANELS: ECO-DESIGN AND SUSTAINABILITY ASSESSMENT |
| Lecturer Baran Aras Asst. Prof. Dr. Alkhansa O.M. Abdalla | Çankırı Karatekin University, Vocational School & Tokat Gaziosmanpaşa University, Faculty of Engineering and Architecture | AUTOCAD POWER TRANSMISSION LINE PROJECT DESIGN AND IMPLEMENTATION EXAMPLE |
| Lecturer Baran Aras Asst. Prof. Dr. Alkhansa O.M. Abdalla | Çankırı Karatekin University, Vocational School & Tokat Gaziosmanpaşa University, Faculty of Engineering and Architecture | MOLTEN SALT STORAGE (MSS) SYSTEMS: TECHNOLOGY, PERFORMANCE, AND FUTURE PERSPECTIVES |
| Lecturer Ramazan ÇOŞTU Lecturer Dr. Tevfik ATAMAN | Istanbul Aydın University, Anadolu Bil Vocational School & Çankırı Karatekin University, Vocational School | COMBUSTION CHARACTERISTICS AND THERMAL EFFICIENCY OF HYDROGEN-ENRICHED DIESEL IN A SINGLE-CYLINDER COMPRESSION IGNITION ENGINE UNDER VARIABLE LOAD CONDITIONS |
| Lecturer Dr. Tevfik ATAMAN Lecturer Ramazan ÇOŞTU | Çankırı Karatekin University, Vocational School & Istanbul Aydın University, Anadolu Bil Vocational School | NUMERICAL ANALYSIS OF THE IMPACT OF ROLLING RESISTANCE COEFFICIENT ON RANGE AND ENERGY CONSUMPTION IN ELECTRIC VEHICLES |

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MEVLANA



Çankırı/TÜRKİYE



TÜRKİYE TIME: 14³⁰-17³⁰

CHAIR: Asst. Prof. Dr. Mehmet TÜMAY

| Author(s) | Affiliation | Title |
|--|---|--|
| Asst. Prof. Dr. Mehmet TÜMAY Asst. Prof. Dr. Nurettin GÖKŞENLİ | Çankırı Karatekin University, Vocational School, Department of Electronics and Automation, Çankırı, Türkiye | DESIGN, SIMULATION AND IMPLEMENTATION OF A DC-DC BUCK CONVERTER AND ARDUINO UNO R3 BASED PID CONTROL |
| Asst. Prof. Dr. Mehmet TÜMAY Asst. Prof. Dr. Nurettin GÖKŞENLİ | Çankırı Karatekin University, Vocational School, Department of Electronics and Automation, Çankırı, Türkiye | MODELING OF THE DRYING PROCESS OF PERSIMMON USING THE MIDILLI MODEL AND SMART OVEN APPLICATION |
| Asst. Prof. Dr. Nurettin GÖKŞENLİ Asst. Prof. Dr. Mehmet TÜMAY | Çankırı Karatekin University, Vocational School, Department of Electronics and Automation, Çankırı, Türkiye | A STUDY ON OBTAINING MAXIMUM POWER FROM A SOLAR PANEL USING AN MPPT CIRCUIT WITH DC AND AC LOADS |
| Asst. Prof. Dr. Nurettin GÖKŞENLİ Asst. Prof. Dr. Mehmet TÜMAY | Çankırı Karatekin University, Vocational School, Department of Electronics and Automation, Çankırı, Türkiye | A NEW APPROACH TO PLOT THE I-V CHARACTERISTICS OF PHOTOVOLTAIC GENERATORS |
| Lecturer Emre ÖZDEMİRCİ | Çankırı Karatekin University, Vocational School | IMPLEMENTATION OF A SOUND LEVEL TESTING UNIT FOR NEONATAL INCUBATORS |
| Asst. Prof. Dr. Tahsin BAYKAL Lecturer Dr. Ahmet İLKER Prof. Dr. Özlem TERZİ | Kırıkkale University, Faculty of Engineering, Çankırı Karatekin University, Vocational School, Isparta University of Applied Sciences, Faculty of Technology | INVESTIGATION OF TEMPERATURE TRENDS WITH INNOVATIVE POLYGON TREND ANALYSIS AND TREND POLYGON STAR METHOD |
| Lecturer Müslüm GÜR Prof. Dr. Yunus BABACAN | Çankırı Karatekin University, Vocational School, Department of Electronics and Automation, 18100, Çankırı, Türkiye & Erzincan Binali Yıldırım University, Faculty of Engineering and Architecture, Department of Electrical and Electronics Engineering, 24100, Erzincan, Türkiye | A COMPARATIVE ANALYSIS OF STANDARD AND ATTENTION-GUIDED HYBRID WIDE RESNET ARCHITECTURES IN MRI BRAIN TUMOR CLASSIFICATION |
| Lecturer Müslüm GÜR Prof. Dr. Yunus BABACAN | Çankırı Karatekin University, Vocational School, Department of Electronics and Automation, 18100, Çankırı, Türkiye & Erzincan Binali Yıldırım University, Faculty of Engineering and Architecture, Department of Electrical and Electronics Engineering, 24100, Erzincan, Türkiye | ELECTRONICALLY ADJUSTABLE ENHANCED NEUROMORPHIC BIPOLAR CELL CIRCUIT |

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MEVLANA



Çankırı/TÜRKİYE



TÜRKİYE TIME: 10³⁰-12¹⁵

CHAIR: Prof. Dr. Orhan KANDEMİR

| Author(s) | Affiliation | Title |
|--|---|--|
| Asst. Prof. Dr. Atilla SUNCAK Zehranur GÜLŞİN İremnaz ŞEN Tuğba Nur CAN Selenay DEMİRPENÇE | Kastamonu University, Kastamonu Vocational School, Department of Computer Technologies & Kastamonu University, Faculty of Engineering and Architecture, Department of Computer Engineering | AI-POWERED MOBILE APPLICATION FOR STUDENT-ALUMNI MENTORSHIP MATCHING SYSTEM |
| Asst. Prof. Dr. Mehmet Ali DEMİR | Çankırı Karatekin University, Faculty of Economics and Administrative Sciences | INVESTIGATION OF THE NON-LINEAR RELATIONSHIP BETWEEN REMITTANCES AND RENEWABLE ENERGY CONSUMPTION IN BRICS COUNTRIES |
| Gamze DAĞ Prof. Dr. Orhan KANDEMİR | Student, Department of Economics, Faculty of Economics and Administrative Sciences, Kastamonu University & Kastamonu University, Faculty of Economics and Administrative Sciences | AGING POPULATION AND ENTREPRENEURIAL MOTHERS |
| Esra PELVAN Prof. Dr. Orhan KANDEMİR | Master's Student, Kastamonu University, Graduate Education Institute & Kastamonu University, Faculty of Economics and Administrative Sciences | EFFICIENT USE OF NATURAL RESOURCES IN THE REGIONAL DEVELOPMENT PROCESS: THE MARBLE SECTOR OF KASTAMONU PROVINCE |
| Firdevs ULUSOY | Master's Student, Kastamonu University, Graduate Education Institute | THE DILEMMA OF INDUSTRIALIZATION AND ENVIRONMENTAL POLLUTION: THE CASE OF KARABÜK IRON AND STEEL FACTORY |
| Gülşah KALE | Master's Student, Kastamonu University, Graduate Education Institute | THE ROLE OF REVERSE LOGISTICS IN THE TRANSITION FROM A LINEAR TO A CIRCULAR ECONOMY: REDESIGNING LOGISTICS NETWORKS IN THE SHIFT FROM THE 'TAKE-MAKE-DISPOSE' MODEL TO THE 'PRODUCE-USE-RECYCLE' MODEL |
| Hüsnüye ÖZDEMİR | Master's Student, Kastamonu University, Graduate Education Institute | PROBLEMS AND EXPECTATIONS OF YOUNG PEOPLE LIVING IN RURAL AREAS |
| Afra Berre DANACI | Master's Student, Kastamonu University, Graduate Education Institute | FROM SWORD TO COGNITIVE BURDEN: THE CHANGING 'STRUGGLE FOR EXISTENCE' OF TURKISH WOMEN |

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 5 dk öncesinde oturuma bağlanmış olmaları gerekmektedir.
- ✓ Moderatör – oturumdaki sunum ve bilimsel tartışma (soru-cevap) kısmından sorumludur.

Dikkat Edilmesi Gerekenler- TEKNİK BİLGİLER

- ✓ Bilgisayarınızda mikrofon olduğuna ve çalıştığına emin olun.
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- ✓ 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

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- ✓ 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 5 minutes before the presentation time.
- ✓ 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.

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exp. Hall-1, Hakan ÖZTÜRK

zoom



Meeting ID: 460 363 6838

Passcode: 121314

Opening Ceremony

Online

Date: **April, 29 2026**

Time: **18:50**

Meeting Link:

<https://us06web.zoom.us/j/4603636838?pwd=Gx9rIRf5cUTPsZZ4pilDYkYWaaEAc6.1&omn=82411002872>

Meeting ID: 460 363 6838

Password: 121314

Bağlama (Turkish Lute) Recital

Dr. Uğur GÜLLÜ

Speech:

Assist. Prof. Dr. Çağatay ERSİN
Çankırı Karatekin University

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.
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- 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.

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April 27-30, 2026 Çankırı/TÜRKİYE

ONLINE

29.04.2026

SESSION-1/HALL-8



Çankırı/TÜRKİYE



TÜRKİYE TIME: 19⁰⁰-21⁰⁰

CHAIR: Hilal AKBAŞ

| Author(s) | Affiliation | Title |
|---|---|--|
| Ananda MAJUMDAR | Harvard University | UNDERSTANDING RELIGION IN THE CLASSICAL PERIOD |
| Ramazan KUMAŞ | Sakarya University of Applied Sciences, Graduate School of Education | AN EXAMINATION OF POSTGRADUATE THESES ON FAIR PLAY, SPORTSMANSHIP AND SPORTS ETHICS IN TÜRKİYE (2020-2025) |
| Hilal AKBAŞ Prof. Dr. Menekşe Seden TAPAN BROUTIN Assoc. Prof. Dr. Tuğçe KOZAKLI ÜLGER | Bursa Uludag University, Faculty of Education | INVESTIGATION OF STUDENTS' PROBLEM-SOLVING PROCESSES ACCORDING TO CONTEXT TYPES IN MATHEMATICS PROBLEMS |
| Günel Hümətova (Pəniyeva) Saleh | Azerbaijan State Pedagogical University, Head teacher of the Department of Literature Teaching Technology, | GREAT TRUTH IN THE SMALL PROSE OF SEYRAN SAHAVAT |

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ONLINE

29.04.2026

SESSION-1/HALL-9



Çankırı/TÜRKİYE



TÜRKİYE TIME: 19⁰⁰-21⁰⁰

CHAIR: Asst. Prof. Dr. Ömer DAMAR

| Author(s) | Affiliation | Title |
|--|---|---|
| Zarema Obradović Ema Pindžo Amer Ovčina Armin Kukić | University of Sarajevo Faculty of Health Studies | MEDICAL WASTE MANAGEMENT FROM DENTAL PRACTICES |
| Asst. Prof. Dr. Ömer DAMAR | Mardin Artuklu University, Faculty of Medicine, Department of Emergency Medicine | BLADDER RUPTURE ASSOCIATED WITH PELVIC FRACTURE FOLLOWING HIGH-ENERGY MOTORCYCLE TRAUMA: A CASE REPORT AND MULTIDISCIPLINARY MANAGEMENT |
| Hilal KURAK Asst. Prof. Güzin Yasemin TUNÇAY | Master's Student, Çankırı Karatekin University, Graduate Education Institute Department of Child Development, Çankırı, Türkiye & Çankırı Karatekin University, Faculty of Health Sciences, Department of Child Development, Çankırı, Türkiye | RESEARCH BASED ON THE DRAWINGS OF CHILDREN WITH SPECIAL NEEDS |
| Asst. Prof. Dr. İlay BURAN KAVURAN | Firat University, Faculty of Medicine, Department of Medical Biology, Elazığ, Türkiye | MITOPHAGY-FERROPTOSIS AXIS IN ALZHEIMER'S DISEASE: CURRENT MOLECULAR FINDINGS |
| Dr. Harun ÖZBEY | Erciyes University, Faculty of Health Sciences | THE EFFECT OF GAMIFICATION ON HBA1C IN CHILDREN WITH TYPE 1 DIABETES: A SYSTEMATIZED REVIEW |
| Neslihan FIRAT Büşra KALKAN BALAK Sercan YILLI | Lokman Hekim University, Institute of Health Sciences, Department of Physical Therapy and Rehabilitation, Ankara, Türkiye. & Yuksekt İhtisas University, Faculty of Health Sciences, Department of Physiotherapy and Rehabilitation, Ankara, Türkiye. & Hacettepe University, Institute of Health Sciences, Department of Physical Therapy and Rehabilitation, Ankara, Türkiye. | THE EFFECT OF LEG LENGTH DISCREPANCY ON MUSCLE STRENGTH IN SWIMMERS WITH BILATERAL HUMERAL AGENESIS |

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ONLINE

29.04.2026

SESSION-1/HALL-10



Çankırı/TÜRKİYE



TÜRKİYE TIME: 19⁰⁰-21⁰⁰

CHAIR: Prof. Dr. Osman ŞİMŞEK

| Author(s) | Affiliation | Title |
|--|---|--|
| Assistant Professor Muhammad FAISAL | Allama Iqbal Open University | MULTIMODAL MACHINE TRANSLATION USING VISION-LANGUAGE MODELS |
| Assoc. Prof. Dr. Selma AKÇAY | Çankırı Karatekin University, Faculty of Engineering | COMPARISON OF FLOW AND HEAT TRANSFER OF TWO DIFFERENT CHANNELS WITH ZIGZAG WAVE PROFILES |
| Assoc. Prof. Dr. Selma AKÇAY | Çankırı Karatekin University, Faculty of Engineering | HEAT TRANSFER ANALYSIS IN A ZIGZAG GROOVED CHANNEL WITH DIFFERENT SURFACE TEMPERATURES |
| Nurullah ARI Ahmet BAŞARAN Yurdagül BENTEŞEN YAKUT | Dicle University, Faculty of Engineering | ANALYSIS OF THE EFFECTS OF STATCOM APPLICATION ON VOLTAGE STABILITY: DIYARBAKIR ORGANIZED INDUSTRIAL ZONE PHASE 2 |
| Assoc. Prof. Dr. Rojat AKSOY IŞIK | Mardin Artuklu University, Faculty of Engineering and Architecture | SPATIAL PERCEPTION AND CREATIVE DESIGN IN EARLY CHILDHOOD EDUCATION: AN APPLICATION STUDY THROUGH ARCHITECTURAL MODELS |
| Res. Asst. Işıl GENÇ Prof. Dr. Fatma Demet AYKAL | Dicle University, Faculty of Architecture | INVESTIGATION OF BIOMIMETIC APPROACHES IN EARTHQUAKE-RESISTANT STRUCTURAL DESIGN |
| Prof. Dr. Osman ŞİMŞEK Muhammed Akif ENGÜL | Çankırı Karatekin University, Faculty of Engineering, Department of Civil Engineering & Gazi University, Faculty of Technology, Department of Civil Engineering | PRODUCTION OF PERMEABLE CONCRETE WITH RECYCLED AGGREGATE AND DIFFERENT PROPORTIONS OF MACRO-SYNTHETIC FIBER. |
| Prof. Dr. Osman ŞİMŞEK Beyzanur TOPCI | Çankırı Karatekin University, Faculty of Engineering, Department of Civil Engineering & Gazi University, Faculty of Technology, Department of Civil Engineering | DETERMINING THE OPTIMUM BRICK DUST RATIO IN THE PRODUCTION OF POLYPROPYLENE FIBER FOAM CONCRETE |

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29.04.2026

SESSION-1/HALL-11



Çankırı/TÜRKİYE



TÜRKİYE TIME: 19⁰⁰-21⁰⁰

CHAIR: Msc. Nur Melis KILIÇ

| Author(s) | Affiliation | Title |
|--|---|---|
| Msc., Nur Melis KILIÇ Prof. Dr. Dilek ODACI | Department of Biochemistry, Faculty of Science, Ege University, Izmir, Türkiye | SYNTHESIS AND CHARACTERIZATION OF CARBON QUANTUM DOTS (CQDS) FOR FLUORESCENCE-BASED ENZYMATIC DETECTION OF BISPENOL A |
| Büşra ŞAHİN Assist. Prof. Dr. Celal CANER Assist. Prof. Dr. Ali KURU | Sakarya University, Faculty of Science | DEVELOPMENT OF A REUSABLE MAGNETIC Fe ₃ O ₄ @FUNGAL BIOMASS COMPOSITE FOR ENHANCED DYE ADSORPTION |
| Ezgi Sıla ÇELİK GÜR Celal CANER Ali KURU Huseyin ALTUNDAĞ | Department of Analytical Chemistry, Graduate School of Natural and Applied Sciences, Sakarya University, Sakarya 54187, Turkey & Department of Chemistry, Faculty of Science, Sakarya University, Sakarya 54187, Turkey & Sakarya University Research and Development Application and Research Center (SARGEM), Sakarya 54187, Turkey & Biomedical, Magnetic, and Semiconductor Materials Research Center (BİMAS-RC), Sakarya University, Sakarya 54187, Turkey | BERYLLIUM (II) REMOVAL by Fe ₃ O ₄ NANOPARTICLES IMMOBILIZED ON Penicillium waksmanii BIOMASS |
| İbrahim ŞAHİN Abdurrahman ŞİMŞEK Mehmet İLKAYA Nevzat ÇAĞLAYAN | Bingol University, Beekeeping Research, Development, Application and Research Center Bingol University, Faculty of Veterinary Medicine, Department of Animal Nutrition and Animal Science Bingol University, Vocational School of Food, Agriculture and Animal Husbandry | THE EFFECT OF HİVE TYPE ON COLONY PERFORMANCE OF HONEY BEES (Apis Mellifera L.) |

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Opening Ceremony

Online

Date: **April, 30 2026**

Time: **14:00**

Meeting Link:

<https://us06web.zoom.us/j/4603636838?pwd=Gx9rIRf5cUTPsZZ4pilDYkYWaaEAc6.1&omn=81627817670>

Meeting ID: 460 363 6838

Password: 121314

Speech:

Dr. Nadire KANTARCIÖĐLU

UBSDER President

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- 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.

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ONLINE

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SESSION-1/HALL-1



Çankırı/TÜRKİYE



TÜRKİYE TIME: 14²⁰-16²⁰

CHAIR: Hassan El Amrani Idrissi

CHAIR VICE: Rajiv Kumar Sharma

| Author(s) | Affiliation | Title |
|---|--|---|
| Hassan El Amrani Idrissi Youssef Karim Fatima Zahra Ouarzazi | Mohammed V University, Faculty of Sciences, Department of Computer Science, Rabat, Morocco & International University of Rabat, School of Engineering, Department of Artificial Intelligence | ARTIFICIAL INTELLIGENCE APPLICATIONS IN SMART HEALTHCARE SYSTEMS: AN INTERDISCIPLINARY APPROACH |
| Nikola Markovic Jelena Stojanovic Pavlovic Stefan Milosavljevic Nikolic | University of Belgrade, Faculty of Electrical Engineering, Department of Software Engineering, Belgrade, Serbia & Faculty of Mechanical Engineering | SMART MANUFACTURING AND INDUSTRY 4.0: INTEGRATION OF IOT AND AUTOMATION SYSTEMS |
| Andrei Popescu Mihai; Elena Ionescu Gabriela Vlad Dumitrescu Cristian | Ştefan cel Mare University of Suceava, Faculty of Electrical Engineering and Computer Science, Romania & Polytechnic University of Bucharest, Faculty of Engineering | RENEWABLE ENERGY SYSTEMS AND SMART GRID TECHNOLOGIES: AN INTERDISCIPLINARY STUDY |
| Rajiv Kumar Sharma Neha Gupta Verma Ankit Singh Chauhan; Priya Rani Desai | Indian Institute of Technology Bombay, Department of Mechanical Engineering, Mumbai, India & University of Delhi, Faculty of Technology | SUSTAINABLE ENGINEERING AND GREEN TECHNOLOGIES: INTERDISCIPLINARY INNOVATIONS IN INDIA |
| Ali Reza Hosseini Mohammad Karimi Zahra Sadat Ebrahimi | Sharif University of Technology, Department of Electrical Engineering, Tehran, Iran & University of Tehran, Faculty of Engineering | MACHINE LEARNING AND DATA ANALYTICS IN ENGINEERING SYSTEMS: A MULTIDISCIPLINARY PERSPECTIVE |
| Salma Bennis El Fassi Omar Khalid Bouchra Yassine Ait Lahcen | Al Akhawayn University, School of Science and Engineering, Department of Computer Science, Ifrane, Morocco & Cadi Ayyad University | BIG DATA ANALYTICS AND DECISION SUPPORT SYSTEMS: APPLICATIONS IN SMART CITIES |

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SESSION-1/HALL-2



Çankırı/TÜRKİYE



TÜRKİYE TIME: 14²⁰-16²⁰

CHAIR: Jelena Pavlović Stojanović

CHAIR VICE: Marko Jovanovic Petar

| Author(s) | Affiliation | Title |
|---|---|---|
| Marko Jovanovic Petar Ivana Milena Luka Nenad Ana Nikolic Jelena | University of Novi Sad, Faculty of Technical Sciences, Department of Industrial Engineering, Serbia | ROBOTICS, AUTOMATION, AND HUMAN-MACHINE INTERACTION: INTERDISCIPLINARY DEVELOPMENTS |
| Ioana Andrada Bogdan Georgescu Daniel Cristina Pavel Roxana | University Politehnica of Bucharest, Faculty of Electronics, Telecommunications and Information Technology, Romania & Babeş-Bolyai University | CYBERSECURITY AND INFORMATION SYSTEMS: INTERDISCIPLINARY CHALLENGES IN DIGITAL TRANSFORMATION |
| Vikram Singh Rajput Pooja Kumari Rakesh Chandra Tiwari Deepak Verma Joshi Sunil Yadav | National Institute of Technology Delhi, Department of Civil Engineering, India & Indian Institute of Science Bangalore | SMART INFRASTRUCTURE AND URBAN DEVELOPMENT: ENGINEERING AND SOCIAL PERSPECTIVES |
| Mehdi Karimi Zadeh Reza Ahmadi Pour Fatemeh Nia Hossein Gholami Far | Amirkabir University of Technology, Department of Computer Engineering, Tehran, Iran & Sharif University of Technology | DEEP LEARNING AND INTELLIGENT SYSTEMS: INTERDISCIPLINARY APPLICATIONS IN ENGINEERING |
| Youssef El Amrani Benali | Mohammed V University, Faculty of Sciences, Department of Computer Science, Rabat, Morocco | ARTIFICIAL INTELLIGENCE-BASED PREDICTIVE MODELS IN HEALTHCARE DIAGNOSTICS |
| Jelena Pavlović Stojanović Nikola Marković Petrović | University of Belgrade, Faculty of Mathematics, Department of Applied Mathematics, Serbia & Faculty of Electrical Engineering | OPTIMIZATION ALGORITHMS IN ENGINEERING SYSTEMS: A MACHINE LEARNING APPROACH |

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Çankırı/TÜRKİYE



TÜRKİYE TIME: 14²⁰-16²⁰

CHAIR: Priya Nandini Sharma

CHAIR VICE: Mohammad Reza Hosseini Far

| Author(s) | Affiliation | Title |
|---|--|---|
| Andrei Cristian Popescu Ioana Gabriela Marinescu Alexandru Dumitrescu | Polytechnic University of Bucharest, Faculty of Automatic Control and Computer Science, Romania & Technical University of Cluj-Napoca | CYBER-PHYSICAL SYSTEMS AND INDUSTRIAL AUTOMATION IN SMART MANUFACTURING |
| Priya Nandini Sharma | Indian Institute of Technology Delhi, Department of Computer Science and Engineering, India | DEEP LEARNING APPLICATIONS IN ENVIRONMENTAL DATA MODELING |
| Rajesh Tiwari Neha Sharma Verma Amitabh Chauhan Pooja Rani Desai | Indian Institute of Technology Bombay, Department of Mechanical Engineering, India & University of Delhi, Department of Applied Sciences | SUSTAINABLE ENGINEERING PRACTICES FOR SMART CITIES DEVELOPMENT |
| Mohammad Reza Hosseini Far Zahra Ebrahimi Sadat | Sharif University of Technology, Department of Electrical Engineering, Tehran, Iran | INTELLIGENT CONTROL SYSTEMS AND ROBOTICS IN INDUSTRIAL APPLICATIONS |
| Fatima Zahra Ouarzazi Omar Khalid Bennis | Al Akhawayn University, School of Science and Engineering, Department of Information Systems, Morocco | BIG DATA ANALYTICS AND DECISION-MAKING SYSTEMS IN SMART GOVERNANCE |
| Stefan Milošević Nikolić Marko Jovanović Petar Ana Nikolić Jelena | University of Novi Sad, Faculty of Technical Sciences, Department of Industrial Engineering, Serbia | DIGITAL TRANSFORMATION IN INDUSTRY 4.0: ROBOTICS AND AUTOMATION SYSTEMS |

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SESSION-1/HALL-4



Çankırı/TÜRKİYE



TÜRKİYE TIME: 14²⁰-16²⁰

CHAIR: Milica Nikolić Jovanović

CHAIR VICE: Arjun Mehta

| Author(s) | Affiliation | Title |
|---|--|---|
| Elena Ionescu Gabriela | University Politehnica of Bucharest, Faculty of Electronics, Telecommunications and Information Technology, Romania | IOT-BASED SMART ENERGY MANAGEMENT SYSTEMS IN SUSTAINABLE CITIES |
| Ali Reza Ahmadi Pour Hossein Gholami Far Fatemeh Mohammadi Nia Reza Karimi Zadeh | Amirkabir University of Technology, Faculty of Computer Engineering, Tehran, Iran | ADVANCED NEURAL NETWORKS FOR PATTERN RECOGNITION IN ENGINEERING APPLICATIONS |
| Hassan El Fassi Idrissi Yassine Benkirane | Mohammed V University, Faculty of Sciences, Department of Computer Science, Rabat, Morocco & Hassan II University of Casablanca, Faculty of Engineering | CLOUD COMPUTING AND SCALABLE DATA SYSTEMS IN SMART CITY APPLICATIONS |
| Milica Nikolić Jovanović | University of Belgrade, Faculty of Mechanical Engineering, Department of Industrial Engineering, Serbia | ADVANCED ROBOTICS IN MANUFACTURING OPTIMIZATION: A PRACTICAL ENGINEERING APPROACH |
| Andreea Popa Ionescu Bogdan Mihai Georgescu | University Politehnica of Bucharest, Faculty of Electronics and Telecommunications, Romania & Technical University of Iași, Faculty of Automatic Control | SIGNAL PROCESSING TECHNIQUES IN MODERN COMMUNICATION SYSTEMS |
| Arjun Mehta Ritu Priya Verma Kunal Singh Rajput | Indian Institute of Technology Kanpur, Department of Electrical Engineering, India & University of Delhi, Department of Computer Engineering | SMART GRID SYSTEMS AND RENEWABLE ENERGY INTEGRATION: AN APPLIED ENGINEERING STUDY |

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Çankırı/TÜRKİYE



TÜRKİYE TIME: 14²⁰-16²⁰

CHAIR: Elena Ionescu

CHAIR VICE: Stefan Marković Petrović

| Author(s) | Affiliation | Title |
|--|--|--|
| Zahra Mohammadi Nia | University of Tehran, Faculty of Engineering, Department of Computer Science, Tehran, Iran | ARTIFICIAL INTELLIGENCE IN MEDICAL IMAGING AND DIAGNOSTIC SYSTEMS |
| Omar Khalid Bennis Salma Zahra Ouarzazi | Al Akhawayn University, School of Science and Engineering, Department of Software Engineering, Morocco | BLOCKCHAIN TECHNOLOGY APPLICATIONS IN SECURE DIGITAL TRANSACTIONS |
| Stefan Marković Petrović Jelena Pavlović | University of Novi Sad, Faculty of Technical Sciences, Serbia | INDUSTRIAL IOT SYSTEMS AND REAL-TIME MONITORING IN SMART FACTORIES |
| Elena Ionescu Vlad Alexandru Dumitrescu Ioana Cristina Marinescu | Polytechnic University of Bucharest, Faculty of Automation and Computers, Romania | MACHINE LEARNING APPLICATIONS IN PREDICTIVE MAINTENANCE SYSTEMS |
| Neha Sharma Verma Pooja Rani Desai | Indian Institute of Technology Roorkee, Department of Civil Engineering, India | SUSTAINABLE INFRASTRUCTURE DESIGN AND SMART URBAN DEVELOPMENT MODELS |
| Fatemeh Sadat Ebrahimi Mohammad Javad Karimi | Sharif University of Technology, Department of Electrical Engineering, Iran | NEURAL NETWORK-BASED CONTROL SYSTEMS FOR INDUSTRIAL AUTOMATION |

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Çankırı/TÜRKİYE



TÜRKİYE TIME: 14²⁰-16²⁰

CHAIR: Omar Khalid Bennis

CHAIR VICE: Youssef Benali Idrissi

| Author(s) | Affiliation | Title |
|--|--|--|
| Youssef Benali Idrissi | Mohammed V University, Faculty of Sciences, Department of Computer Engineering, Rabat, Morocco | EDGE COMPUTING AND REAL-TIME DATA PROCESSING IN SMART SYSTEMS |
| Marković Petrović Milica Jovanović | University of Belgrade, Faculty of Electrical Engineering, Serbia | ENERGY-EFFICIENT EMBEDDED SYSTEMS FOR INDUSTRIAL AUTOMATION |
| Andrei Dumitrescu Marinescu Gabriela | Polytechnic University of Bucharest, Faculty of Automatic Control and Computers, Romania | AI-BASED IMAGE RECOGNITION SYSTEMS IN ENGINEERING APPLICATIONS |
| Rajiv Kumar Sharma Ankit Singh Chauhan | Indian Institute of Technology Delhi, Department of Mechanical Engineering, India | ADVANCED MANUFACTURING TECHNIQUES AND ADDITIVE PRODUCTION TECHNOLOGIES |
| Zahra Hosseini Far | Sharif University of Technology, Faculty of Computer Engineering, Tehran, Iran | DEEP REINFORCEMENT LEARNING IN AUTONOMOUS SYSTEMS |
| Omar Khalid Bennis Yassine El Fassi Idrissi | Al Akhawayn University, School of Science and Engineering, Morocco | CYBERSECURITY FRAMEWORKS FOR CLOUD-BASED APPLICATIONS |

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TÜRKİYE TIME: 14²⁰-16²⁰

CHAIR: Elena Gabriela

CHAIR VICE: Marko Ivan Ilić

| Author(s) | Affiliation | Title |
|---|--|---|
| Stefan Đorđević | University of Novi Sad, Faculty of Technical Sciences, Serbia | OPTIMIZATION OF INDUSTRIAL ROBOTICS USING AI ALGORITHMS |
| Elena Gabriela Bogdan Georgescu Mihai | University Politehnica of Bucharest, Faculty of Electronics, Romania | INTERNET OF THINGS (IOT) IN SMART AGRICULTURE SYSTEMS |
| Priya Rani Verma Neha Sharma Gupta Deepak Kumar Yadav | Indian Institute of Technology Bombay, Department of Civil Engineering, India | SMART TRANSPORTATION SYSTEMS AND URBAN MOBILITY SOLUTIONS |
| Fatemeh Mohammadi Nia Reza Karimi Zadeh Hossein Gholami Far | Amirkabir University of Technology, Department of Electrical Engineering, Iran | NEURAL NETWORK OPTIMIZATION FOR INDUSTRIAL SIGNAL PROCESSING |
| Ahmed Rachid El Mansouri Lina Saad Bouchra | Mohammed V University, Faculty of Engineering, Department of Information Systems, Rabat, Morocco | SMART DATA ANALYTICS FOR PREDICTIVE MAINTENANCE IN INDUSTRIAL SYSTEMS |
| Marko Ivan Ilić Ana Milena Cvetković | University of Belgrade, Faculty of Mechanical Engineering, Department of Mechatronics, Serbia | AI-DRIVEN CONTROL SYSTEMS IN MODERN MANUFACTURING TECHNOLOGIES |

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Çankırı/TÜRKİYE



TÜRKİYE TIME: 14²⁰-16²⁰

CHAIR: Maria Dobre

CHAIR VICE: Mohammad Rahmani

| Author(s) | Affiliation | Title |
|--|--|---|
| Radu Andrei Bianca Maria Dobre Sorin Vlad C | Polytechnic University of Bucharest, Faculty of Automation and Computers, Romania | MACHINE LEARNING APPLICATIONS IN AUTONOMOUS VEHICLE SYSTEMS |
| Aditya Prakash Verma Shreya Mishra Rohit Kumar Jaiswal | Indian Institute of Technology Madras, Department of Electrical Engineering, India | RENEWABLE ENERGY OPTIMIZATION USING HYBRID AI MODELS |
| Mohammad Rahmani Leila Hosseini Sharif | Sharif University of Technology, Department of Computer Engineering, Tehran, Iran | BLOCKCHAIN-BASED SECURE DATA MANAGEMENT SYSTEMS IN ENGINEERING |
| Yassine Khalid El Amrani | Al Akhawayn University, School of Science and Engineering, Morocco | CLOUD-BASED IOT ARCHITECTURES FOR SMART URBAN INFRASTRUCTURE |
| Stefan Popescu Vlad Alexandru Neagu | University of Novi Sad, Faculty of Technical Sciences, Serbia | ROBOTICS AND HUMAN INTERACTION IN INDUSTRIAL PRODUCTION SYSTEMS |
| Elena Cristina Munteanu Andreea Stan Mihai Florin Radu | University Politehnica of Timișoara, Faculty of Electronics, Romania | SIGNAL PROCESSING AND COMMUNICATION TECHNOLOGIES IN 5G NETWORKS |

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Çankırı/TÜRKİYE



TÜRKİYE TIME: 14²⁰-16²⁰

CHAIR: Kunal Mehra

CHAIR VICE: Zahra Farrokhzad

| Author(s) | Affiliation | Title |
|--|---|---|
| Kunal Mehra Pooja Deepika Sharma Nikhil Tiwari Arjun Suresh Patel | Indian Institute of Technology Kanpur, Department of Computer Science, India | ARTIFICIAL INTELLIGENCE FOR SMART HEALTHCARE DIAGNOSTICS SYSTEMS |
| Zahra Farrokhzad Hossein Karimi Nima Gholami Far | University of Tehran, Faculty of Engineering, Iran | NEURAL NETWORKS FOR INDUSTRIAL PROCESS OPTIMIZATION AND CONTROL |
| Dariusz Aleksander Kowalsk | Warsaw University of Technology, Faculty of Electronics and Information Technology, Department of Computer Systems, Poland | EDGE ARTIFICIAL INTELLIGENCE IN REAL-TIME INDUSTRIAL MONITORING SYSTEMS |
| Farah Nabilah Zainuddin Amirul Rahman Lim Wei Sheng | Universiti Teknologi Malaysia, Faculty of Computing, Department of Software Engineering, Malaysia & Universiti Malaya, Department of Information Systems | CYBERSECURITY RISK ASSESSMENT IN CLOUD COMPUTING ENVIRONMENTS |
| Stefan Ionescu Dragomir Claudia Elena Popa | Technical University of Cluj-Napoca, Faculty of Automation and Computer Science, Romania | SMART SENSOR NETWORKS FOR ENVIRONMENTAL MONITORING AND DISASTER PREDICTION |
| Arman Rezaei Sara Mohammadi Khorasani Nima Esfandiari | University of Tehran, Faculty of Engineering, Department of Industrial Engineering, Iran | OPTIMIZATION OF SMART MANUFACTURING SYSTEMS USING HYBRID MACHINE LEARNING MODELS |

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Çankırı/TÜRKİYE



TÜRKİYE TIME: 14²⁰-16²⁰

CHAIR: Zahra Hosseini Far

CHAIR VICE: Priya Anil Deshmukh

| Author(s) | Affiliation | Title |
|---|---|--|
| Yassine El Amrani Idrissi Salma Zahra Bennis | Mohammed V University, Faculty of Sciences, Department of Computer Engineering, Rabat, Morocco & ENSA Marrakech, Department of Software Engineering | ARTIFICIAL INTELLIGENCE-BASED PREDICTIVE ANALYTICS IN SMART INDUSTRIAL SYSTEMS |
| Amina Boukhriss Omar Khalid El Fassi | Cadi Ayyad University, Faculty of Science and Technology, Department of Applied Computer Science, Morocco | IOT INTEGRATION AND SMART CITY INFRASTRUCTURE OPTIMIZATION USING DATA SCIENCE |
| Arjun Mehta Sharma Ritu Verma Prakash Jaiswal | Indian Institute of Technology Delhi, Department of Electrical Engineering, India & National Institute of Technology Surat | MACHINE LEARNING MODELS FOR RENEWABLE ENERGY FORECASTING AND OPTIMIZATION |
| Priya Anil Deshmukh | Indian Institute of Technology Bombay, Department of Computer Science and Engineering, India | DEEP LEARNING APPROACHES FOR MEDICAL IMAGE PROCESSING AND DIAGNOSIS SYSTEMS |
| Zahra Hosseini Far Reza Amir Karimi Leila Sadat Mohammadi | University of Tehran, Faculty of Electrical and Computer Engineering, Iran & Sharif University of Technology | NEURAL NETWORK OPTIMIZATION IN INDUSTRIAL AUTOMATION AND CONTROL SYSTEMS |
| Mohammad Javad Rahmani | Amirkabir University of Technology, Department of Mechanical Engineering, Tehran, Iran | SMART MANUFACTURING SYSTEMS USING ARTIFICIAL INTELLIGENCE AND ROBOTICS INTEGRATION |

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