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Erciyes University Faculty of Engineering In-person Presentations















OPENING CEREMONY

Erciyes University Faculty of Engineering Date: 15.10.2025

09:30-10:30	Registration
	Opening Speeches
	Assoc. Prof. Dr. Şükrü Taner AZGIN
	Sustainability Coordinator of Erciyes University
	HEAD OF ORGANIZING BOARD Dr. Atabek MOVLYANOV
10:30-11:00	General Coordinator of IKSAD Institute
	CONGRESS COORDINATOR
14	Prof. Dr. Fatih ALTUN
	Rector of Erciyes University
	HONORARY HEAD OF CONGRESS
11 00 11 40	Yunus Emre ŞEKER
11:00-11:40	Secretary General of the Central Anatolia Development Agency
11 /0 11 50	INVITED SPEAKER
11:40-11:50	Plaque Ceremony
12:00-13:30	Lunch

Participants Country: Albania, Algeria, Argentina, Australia, Azerbaijan, Bangladesh, Bulgaria, China, Czechia, Egypt, Georgia, Hong Kong, Hungary, India, Indonesia, Iran, Kazakhstan, Kosovo, Lithuania, Malaysia, Morocco, Niger, Nigeria, Oman, Pakistan, Portugal, Romania, Russia, Saudi Arabia, Tunisia, Türkiye, TRNC, UAE, UK, Ukraine, USA, Vietnam

*SÜRDÜ*RÜ

























HEAD OF SESSION: Assist. Prof. Dr. Erhan MUĞALOĞLU

Theme: Sustainable Economy and Governance

Authors	Affiliation	Presentation title
Assoc. Prof. Dr. Veysel KARAGÖL Res. Assist. Dr. Ayşegül ŞAHİN	Van Yüzüncü Yıl University, Türkiye Anadolu University, Türkiye	FROM SUSTAINABILITY RISKS TO FOOD PRICE SHOCKS: THE ROLE OF ESG-BASED SUSTAINABILITY UNCERTAINTY
Assoc. Prof. Dr. Ahmet AYSU Mehmet Ali ASLAN	Erciyes University, Türkiye	THE PLACE AND IMPORTANCE OF COMPETITIVE PRODUCTION WITHIN THE TWELFTH DEVELOPMENT PLAN AND SUSTAINABLE DEVELOPMENT GOALS
Assoc. Prof. Dr. Öznur Begüm GÖKÇEK Arife Gözde AKAN Prof. Dr. Sevgi DEMİREL	Niğde Ömer Halisdemir University, Türkiye Ayakizi Akademi San. ve Tic. Ltd. Şti., Türkiye	INTEGRATED SUSTAINABILITY STRATEGIES IN INDUSTRY
Dr. Seçil YILDIZ	Independent Researcher, Türkiye	THE IMPACT OF CBAM ON GLOBAL GREEN TRANSITION: A SUSTAINABILITY ANALYSIS OF THE AGRICULTURAL SECTOR THROUGH THE GTAP-E MODEL
Prof. Dr. Sadettin PAKSOY	Gaziantep University, Türkiye	THE EFFECTS OF THE CLIMATE BULLWHIP ON THE AGRICULTURAL SECTOR
Elif ÖZKOÇ	Dokuz Eylül University, Türkiye	RESILIENCE, EU ENLARGEMENT PROCESS AND UKRAINE: THE EFFECT OF GEOPOLITICAL SHIFT IN EU EXTERNAL POLICY
Betül İÇELLİOĞLU Prof. Dr. Şaban UZAY	Erciyes University, Türkiye	THE ROLE OF INTERNAL AUDIT IN SUSTAINABILITY REPORTING AND ASSURANCE AUDITING

SURDÜRÜLEBILIRIKIÖN KOORDINATO

























HEAD OF SESSION: Assoc. Prof. Dr. Şükrü Taner AZGIN

Theme: Clean Energy, Climate and Water Systems

Authors	Affiliation	Presentation title
Lect. Dr. Serap BOLAYIR Assoc. Prof. Dr. Hayriye Hilal BAĞLITAŞ	Cumhuriyet University, Türkiye Erciyes University, Türkiye	AFFORDABLE and CLEAN ENERGY within the SCOPE of SUSTAINABLE DEVELOPMENT GOALS and TURKIYE'S CURRENT SITUATION
Assist. Prof. Dr. İbrahim UYANIK Assoc. Prof. Dr. Alper SOLMAZ	Erciyes University, Türkiye	SUSTAINABLE WASTEWATER FILTRATION: GRAVITY- DRIVEN DYNAMIC MEMBRANE FOR THE EFFLUENTS OF WASTEWATER TREATMENT PLANTS
Assist. Prof. Dr. Şeyma AKKURT	Adıyaman University, Türkiye	CARBON NEUTRAL WASTEWATER TREATMENT PLANTS AND THEIR ROLE IN ACHIEVING THE SUSTAINABLE DEVELOPMENT GOALS
Mehmet Can ŞENEL Prof. Dr. Nesrin KAYATAŞ DEMİR	Erciyes University, Türkiye	ALBEDO EFFECT OF DIFFERENT GROUND CONDITIONS AND PERFORMANCE ANALYSIS IN PHOTOVOLTAIC SYSTEMS
Ennur Rabia YAMAÇ Prof. Dr. Aysel Çağlan GÜNAL Assoc. Prof. Dr. Şükrü Taner AZGIN	Gazi University, Türkiye Erciyes University, Türkiye	DEVELOPING A CALCULATION TOOL WITH CURRENT GLOBAL DATA FOR HOTEL CARBON FOOTPRINT WITHIN THE SCOPE OF SUSTAINABLE TOURISM
Lect. Dr. Serap BOLAYIR Assoc. Prof. Dr. Nevzat BALIKÇIOĞLU	Cumhuriyet University, Türkiye Erciyes University, Türkiye	LIFE BELOW WATER GOAL and the CONCEPT of BLUE ECONOMY
Assoc. Prof. Dr. Öznur Begüm GÖKÇEK Arife Gözde AKAN Prof. Dr. Sevgi DEMİREL	Niğde Ömer Halisdemir University, Türkiye Ayakizi Akademi San. ve Tic. Ltd. Şti., Türkiye	CARBON FOOTPRINT MANAGEMENT IN CLIMATE CHANGE ADAPTATION STRATEGIES
FOURULE BILLINATO KOORDINATO		



























HEAD OF SESSION: Assist. Prof. Dr. Saltuk Buğra SELÇUKLU

Theme: Smart and Digital Sustainability

Authors	Affiliation	Presentation title
Res. Assist. Berra Nur TUNÇ Res. Assist. Selver GÜNGÖR Prof. Dr. Erkan BEŞDOK Assoc. Prof. Dr. Ümit Haluk ATASEVER	Erciyes University, Türkiye	ERCNET: A NEW SHALLOW NETWORK FOR WATER BODY SEGMENTATION FROM SATELLITE IMAGERY
Res. Assist. Esma KARAKOYUN YAŞAR Prof. Dr. Z. Özlem PARLAK BİÇER	Niğde Öm <mark>e</mark> r Halisdemir University, Türkiye Erciyes University, Türkiye	THE USE OF ARTIFICIAL INTELLIGENCE TOOLS IN BIBLIOMETRIC META-ANALYSIS IN THE FIELD OF SUSTAINABLE CONSTRUCTION MANAGEMENT: QWEN3- MAX
Dr. Çağlar TABAK Nehir YILDIRIM Zehra Bahar ÇİÇEK	Ministry of Transport and Infrastructure, Türkiye Middle East Technical University, Türkiye	RISK MAPPING, TECHNOLOGY, AND ARTIFICIAL INTELLIGENCE APPLICATIONS IN WILDFIRE MANAGEMENT: CASES FROM TÜRKİYE AND THE WORLD
Res. Assist. Dr. Fikriye Ceren BOSTANCI Prof. Dr. Selçuk KOÇ	Kocaeli University, Türkiye	AN ECONOMETRIC ANALYSIS OF THE IMPACT OF RENEWABLE ENERGY USE AND ENVIRONMENTAL TECHNOLOGY DEVELOPMENT ON CO2 EMISSIONS
Prof. Dr. Selçuk KOÇ Res. Assist. Dr. Fikriye Ceren BOSTANCI	Kocaeli University, Türkiye	ANALYSIS OF THE RELATIONSHIP BETWEEN CO2 EMISSIONS AND HUMAN DEVELOPMENT USING NON-LINEAR METHODS
Chukwudi Gracious Maduka Asst. Prof. Dr. Dokun Oluwajana	Cyprus International University, Northern Cyprus	LIGHTWEIGHT MACHINE LEARNING FOR DDOS ATTACK DETECTION IN RESOURCE-CONSTRAINED SMART HOME ENVIRONMENTS: A HYBRID APPROACH USING FEATURE SELECTION AND COMPARATIVE MODEL ANALYSIS
ROURULEBILINA! KOORDINA!		



























HEAD OF SESSION: Assoc. Prof. Dr. Burcu SALGIN

Theme: Urban Systems and Resilient Societies

Authors	Affiliation	Presentation title
Ece BOZ Assist. Prof. Dr. Mazlum AR	Kırşehir Ahi Evran University, Türkiye	THE IMPACT OF VERTICAL URBANIZATION ON SOCIO-SPATIAL LIFE IN TURKEY
Lect. Dr. Sümeyra AYIK Assist. Prof. Dr. Sinan AKYÜZ	Abdullah Gül University, Türkiye	EQUITABLE CITY DESIGN THROUGH PARTICIPATORY EDUCATION: A MODEL FOR ARCHITECTURE AND URBAN PLANNING STUDENTS
Dr. Çağlar TABAK Zehra Bahar ÇİÇEK Nehir YILDIRIM	Ministry of Transport and Infrastructure, Türkiye Middle East Technical University, Türkiye	THE EFFECTS OF INTERNAL MIGRATION DYNAMICS ON URBANIZATION AND SOCIO- ECONOMIC DEVELOPMENT IN TURKEY
Assist. Prof. Dr. Elif ÜZEL Lect. Seda ÇOLAK	Kayseri University, Türkiye	A BIBLIOMETRIC STUDY ON GREEN AIRPORT PRACTICES WITHIN THE SCOPE OF SUSTAINABILITY

Theme: Sustainable Agriculture: From Ecological Impact to Human Behavior

Authors	Affiliation	Presentation title
Assist. Prof. Dr. Hatice BEKCİ	Kayseri University, Türkiye	THE EFFECTS OF SUSTAINABLE AGRICULTURE ON BIOLOGICAL ACTIVITY
Nurcan VARİYENLİ Prof. Dr. Mustafa METİN	Erciyes University, Türkiye	A SYSTEMATIC ANALYSIS OF PERMACULTURE AND SUSTAINABLE AGRICULTURE PRACTICES
Nurcan VARİYENLİ Prof. Dr. Mustafa METİN	Erciyes University, Türkiye	CONTENT ANALYSIS OF ATTITUDE AND AWARENESS STUDIES TOWARDS SUSTAINABLE DEVELOPMENT

SCIRDÜRÜLEBILIRATI KOORDINATI





















15.10.2025 / HALL-1 / SESSION-2 / TSI Time-15³⁰:17³⁰



Erciyes University, Faculty of Engineering



HEAD OF SESSION: Assist. Prof. Dr. Selman SEVINDIK

Theme: Sustainable Design, Architecture and Materials

Authors	Affiliation	Presentation title
İsmet ZARARSIZ Lect. Dr. Merve GÜLER	Bozok University, Türkiye	A SUSTAINABLE RESTORATION APPROACH FOR REFUNCTIONING CULTURAL HERITAGE: THE YOZGAT HOUSING EXAMPLE
Berkan KAHVECİOĞLU Prof. Dr. Semra ARSLAN SELÇUK	Gazi University, Türkiye	"BARRIER-FREE CAMPUS" APPROACH FOR SUSTAINABLE AND ACCESSIBLE UNIVERSITY CAMPUSES: THE CASE OF ERCIYES UNIVERSITY
Ayla KARAKAYA Assist. Prof. Dr. Güzin Yeliz KAHYA	Erciyes University, Türkiye	THE ADAPTIVE REUSE OF INDUSTRIAL HERITAGE AND COLLECTIVE MEMORY: THE CASE OF THE KAYSERI SÜMERBANK FACTORY
Dilara KALLİ Assist. Prof. Dr. Selman SEVİNDİK	Erciyes University, Türkiye	COMPARATIVE ANALYSIS OF ADOBE AND REINFORCED CONCRETE IN THE CONTEXT OF SUSTAINABLE BUILDING MATERIALS
Mehmet Umut KUTLU Altay Şamil KUTLU Dr. Bora AKİNCE İpek KUTLU AKYÜZ	GCM Group, Türkiye Abdullah Gül University, Türkiye	MixPack INFRARED SHIRINK
Dr. Bora AKİNCE	Abdullah Gül University, Türkiye	THE PHOENIX PROJECT: YOUTH RISING ABOVE POLARIZATION



























HEAD OF SESSION: Assoc. Prof. Dr. Esra KIZILAY

Theme: Education, Communication and Behavioral Change

Authors	Affiliation	Presentation title
Lect. Dr. Sümeyra AYIK Assist. Prof. Dr. Sinan AKYÜZ	Abdullah Gül University, Türkiye	WORKSHOP PROGRAM ON SUSTAINABLE DEVELOPMENT GOALS TROUGH GAMES FOR CHILDREN
Assoc. Prof. Dr. Meltem ŞAHİN HASSAN	Erciyes University, Türkiye	SUSTAINABILITY COMMUNICATION IN THE POST- TRUTH AGE
Res. Assist. Meltem ULU Res. Assist. Sevde GÜNER	Erciyes University, Türkiye	ENHANCING SUSTAINABILITY AWARENESS THROUGH GAMIFICATION ON THE ERCIYES UNIVERSITY CAMPUS: A CONCEPTUAL APPROACH BASED ON UI GREENMETRIC CRITERIA
Dr. Tülin FİLİK Prof. Dr. Demet ÜNALAN	Erciyes University, Türkiye	FACTORS AFFECTING THE DISASTER RISK PERCEPTION OF THE DENTISTRY PRACTICE AND RESEARCH CENTER EMPLOYEES
Beyzanur OLÜÇ Lect. Berna AKIN	Erciyes University, Türkiye	IMPACT OF SUSTAINABILITY-FOCUSED RANKING SYSTEMS ON UNIVERSITIES: THE CASE OF THE IMPACT RANKING
Assist. Prof. Dr. Sümeyra AYIK Assoc. Prof. Dr. Kemal KOCA	Abdullah Gül University, Türkiye	CAN ARTIFICIAL INTELLIGENCE SHAPE LIFELONG LEARNING AT MODERN EDUCATION FOR THE FUTURE WORLD?
Assist. Prof. Dr. Sümeyra AYIK Assoc. Prof. Dr. Kemal KOCA	Abdullah Gül University, Türkiye	ROLE OF ARTIFICIAL INTELLIGENCE ON SUSTAINABILITY OF EDUCATION SYSTEM



























HEAD OF SESSION: Assist. Prof. Dr. İbrahim UYANIK

Theme: Circular Production and Waste Management

Authors	Affiliation	Presentation title
Assist. Prof. Dr. Esra AKGÜL	Erciyes University, Türkiye	VALORIZATION OF FURNITURE INDUSTRY WASTE IN THE TEXTILE SECTOR WITHIN THE FRAMEWORK OF INDUSTRIAL SYMBIOSIS
Fatih TORUNOĞLU Mert Can YALÇIN Hamdi YAPICI Fatma OĞUZ	Turkuaz Seramik A.Ş., Türkiye	USABILITY OF WASTE IN CERAMIC SANITARYWARE PROCESSES
Fatih TAT Fatih TORUNOĞLU Mehmet GÖKALP	Turkuaz Seramik A.Ş., Türkiye	INVESTIGATION OF THE USABILITY OF CERAMIC WASTES AS ALTERNATIVE RAW MATERIALS IN SSG PRODUCTION: CHARACTERIZATION TECHNIQUES
Dr. Fatma Seda CUNDUBEY Assoc. Prof. Dr. Şükrü Taner AZGIN	Erciyes University, Türkiye	THE BENEFITS OF SUSTAINABLE COTTON-TO-ENERGY PRODUCTION FOR DENIM FABRIC
Murat Yahya GAZİOĞLU Ali ÇİFTÇİ	Orta Anadolu T.A.Ş., Türkiye	A SUSTAINABLE APPROACH FOR THE RECOVERY OF CAUSTIC SOLUTION IN THE MERCERIZATION PROCESS
Assist. Prof. Dr. Duygu AGHAZADEH	University of Turkish Aeronautical Association, Türkiye	TOWARDS SUSTAINABLE REVERSE LOGISTICS: A TSP- INSPIRED OPTIMIZATION FRAMEWORK FOR MEDICAL WASTE WITH EXACT AND LEARNING- BASED METHODS
Hatice BERAT ORHAN Assoc. Prof. Dr. Nadide Sevil TÜLÜCE	Kayseri University, Türkiye	THE IMPACT OF FAST FASHION ON ECOLOGICAL BALANCE AND HEALTH
Res. Assist. Dr. Merve ÇAPAŞ Ayşe Nur ÇENET	Erciyes University, Türkiye	LIFE CYCLE ASSESMENT BASED WASTE STRATEGIES FOR VEGETABLE OIL INDUSTRY AND SUSTAINABLE DEVELOPMENT GOALS
Res. Assist. Mustafa ÖZDEMİR Assoc. Prof. Dr. Selma BÜYÜKKILIÇ BEYZİ Prof. Dr. Mehmet Ulaş ÇINAR	Erciyes University, Türkiye	INTEGRATING GENOMIC INSIGHTS, NUTRITIONAL STRATEGIES, AND ANIMAL HEALTH FOR SUSTAINABLE LIVESTOCK PRODUCTION

























HEAD OF SESSION: Assoc. Prof. Dr. Orhan KEKLİKCİOĞLU

Theme: Industrial Design and Product Innovation

Authors	Affiliation	Presentation title
Ayşe Nur DAYDAŞ BAŞKAN Ahmet Semih KIŞLA	Konya Technical University, Türkiye Yenar Döküm Sanayi ve Ticaret Anonim Şirketi, Türkiye	THE CARBON FOOTPRINT ASSESSMENT OF ROLLING MILL ROLLS MANUFACTURED BY CASTING METHOD
Tuğçe NEBİOĞLU	Femaş Metal Industry Kayseri, Türkiye	SILENT AND ENERGY-EFFICIENT RANGE HOOD DESIGN DEVELOPED WITH BLDC MOTOR TECHNOLOGY
Zulfiqar ALI Assoc. Prof. Dr. Gözde TANTEKİN- ÇELİK	Cukurova University, Türkiye	HOW GREEN CEMENT REDUCES THE BURDEN of NATURE: A SUSTAINABLE SOLUTION
Lect. Dr. Onur TOPRAK	Erciyes University, Türkiye	SUSTAINABLE GRAPHIC DESIGN SOLUTIONS, ECO- FRIENDLY PRACTICES AND MATERALS
Gözde AYKUT ÖZBİLGİN	Femaş Metal Industry Kayseri, Türkiye	CARDBOARD-BASED PACKAGING DESIGN FROM A CIRCULAR ECONOMY PERSPECTIVE: THE CASE OF THE RANGE HOOD
Ağustos GERÇE	Erciyes University, Türkiye	REFLECTION OF ENVIRONMENTAL SUSTAINABILITY- THEMED ADVERTISEMENTS ON CONSUMER DECISION-MAKING PROCESSES

