

INTERNATIONAL CONFERENCE ON ENERGY, ENVIRONMENT AND STORAGE OF ENERGY CONFERENCE SCHEDULE

05-09-2024 Thursday

OPENING CEREMONY AND WELCOME SPEECH - (09.30-09.45)

[Click here to join the meeting](#)

PLENARY SPEECH (09.45-10.30)

PROF.DR. MARC ROSEN

(SUSTAINABLE ENERGY, SUSTAINABILITY, AND ENVIRONMENTAL IMPACT)

Coffee Break (10:30-10:45)

1. SESSION- HYDROGEN (10:45-12:00)

[Click here to join the session](#)

Session Chair: Dr. A.Aziz Atabani

Room-2

2. SESSION- GLOBAL WARMING (10:45-12:00)

[Click here to join the session](#)

Session Chair: Prof. Dr. Izzet Karakurt

Room-1

10:45-11:00	Coal Pyrolysis Studies: Application to In-Situ Superheat Steam Hydrogen Production	Alpaslan Atmanli	10:45-11:00	Effect of Sludge Retention Time (Srt) On Bioregeneration of Powdered Activated Carbon Loaded With Paracetamol	Gülmire İlyasoğlu
11:00-11:15	Additive Manufacturing of Vessels for Hydrogen Storage	Abdul Hai Alami	11:00-11:15	Microplastic (Polystyrene) Toxicity On Aquatic Primary Producer Nostoc Muscorum and Effect of Carbon Deprivation On Polystyrene Film Breakdown	Tasneem Fatma
11:15-11:30	Direct Use of Oxygen and Hydrogen Produced By Electrolysis In An Industrial Natural Gas Burner	Bugrahan Alabas	11:15-11:30	Quantifying The Correlation Between Co2 Emissions and Renewable Energy Indicators	Mine Sertsöz
11:30-11:45	Efficient Photocatalyst of a Binary P-N Heterojunction, Ag ₃ po ₄ /Cu ₂ o for Degradation of Endosulfan and Hydrogen Evaluation	Rajkishore Patel	11:30-11:45	Harnessing Machine Learning for Surrogate Modeling and Circular Carbon Economy: Multi-Objective Optimization In CO ₂ -to-Methanol Conversion	Ermias Girma Aklilu
11:45-12:00	Novel Integrated Hydrogen Liquefaction Process Using Photovoltaic Panels and Diffusion Absorption Refrigeration	Masoud Taghavi	11:45-12:00	Calculation of Global Warming Potential of Conventional and Organic Chardonnay Grape Production	Kübranur Birtek

LUNCH

PLENARY SPEECH (13:00-13:40)[Click here to join the meeting](#)**PROF. DR. QINGYAN CHEN****(THERMAL SCIENCE , BUILDING ENVIRONMENT AND ENERGY, AIRFLOW AND POLLUTION SIMULATION)****PLENARY SPEECH (13:45-14:25)**[Click here to join the meeting](#)**PROF. DR. MEHMET KITIŞ****(WATER/WASTEWATER TREATMENT AND REUSE, MEMBRANE PROCESSES, WATERSHED MANAGEMENT)****Coffee Break (14:30-14:45)****3. SESSION- SOLAR (14:45-16:00)**[Click here to join the session](#)**Session Chair: Prof. Dr. Muhammad Junaid Room-1****4. SESSION- WASTE MANAGEMENT (14:45-16:00)**[Click here to join the session](#)**Session Chair: PROF. DR. MEHMET KITIŞ Room-2**

14:45-15:00	Experimental Study of a Solar Assisted Storage System for Shelf-Life Enhancement of Tomatoes	Muhammad Khalid	14:45-15:00		
15:00-15:15	Thermodynamic Analysis of Solar Tower Based Integrated System for Power Production	Yunus Emre Yuksel	15:00-15:15	Treatment of Dyeing Industry Wastewater: a Comparison Between The Uv/Peroxydate and Uv/Persulfate Processes	Yasmine Laftani
15:15-15:30	Predicting Solar Cell Temperature On Soiled Surfaces Using Machine Learning and Thermal Analysis: Implications for Energy Production	Kudzanayi Chiteka.	15:15-15:30	Toxicity Evaluation of Raw and Treated Chrome Tanning Wastewater By Powdered Marble Adsorption With a Biotest Orge and Lettuce.	Saliha Elabbas
15:30-15:45	a Solar-Powered Combined Plant Based On Supercritical Co2 Brayton Cycle for Power, Heating, and Hydrogen Generation; Energetic and Energetic Performance Investigation	Fatih Yilmaz	15:30-15:45	a Study On Isolation of Nicotine From Tobacco Waste to Analyze Organic Pesticide	Sumaira Majumder
15:45-16:00	Parameter Extraction and Optimisation of a Solar Cell Using Matlab: a Theoretical Perspective	Bernard Tonderayi Mangara	15:45-16:00	Comparison of Different Spatial Interpolation Techniques for Estimating Areal Precipitation In Türkiye	Filiz Dadaser-Celik

Coffee Break (16:00-16:15)

5. SESSION- ENERGY (16:15-17:45) Click here to join the session Session Chair: Prof. Foad Karimi Room-1			6. SESSION- FUEL-ENGINE-COMBUSTION (16:15-18:00) Click here to join the session Session Chair: Prof. Dr. Ilgın Yaşar Room-2		
16:15-16:30	Strain Effects in Type I and Type II Core/Shell Quantum Dots for Energy Storage	Derya Malkoç	16:15-16:30	Effect of Various Hydrogen Injection Angles On Engine Performance and Emissions	Semih Yılmaz
16:30-16:45	Design of an Effective Braking System for Electric Vehicles	Adeleye Otepola	16:30-16:45	Investigation of The Effect of Addition of Natural Gas to a Gasoline Engine On Engine Performance and Emissions	Talip Akbiyik
16:45-17:00	Highly Efficient Teng System Decorated With Biomass Material Into The Silicone	Sema Yurdakul	16:45-17:00	Experimental Studies On a Freezer With Partial-Loaded Conditions	Fazlı Okan Bovatekin
17:15-17:30	Implementation of a Real-Time Powertrain Test Bench for Fuel Cell Electric Vehicles	Gökay BAYRAK	17:15-17:30	Detailed Characteristics of Polycyclic Aromatic Hydrocarbons and Toxicity In a Diesel Engine Running On Diesel and Biodiesel Blends With Alcohols	Alpaslan Atmanli
17:30-17:45	Activated Carbon Production from Chestnut Shells for Energy Storage and Conversion Applications	İbrahim Keleş	17:30-17:45	formation of Polycyclic Aromatic Hydrocarbons In a Diesel Engine Fueled With Diesel and Biodiesel Containing Low Concentrations of C3/C4/C5 Alcohols	Alpaslan Atmanli
17:45-18:00	A Study on The Determination of Storage Performance In Batteries With Diverse Characteristics of Energy Obtained From Solar/Wind Hybrid Renewable Energy Systems	Sevde Çetinkaya	17:45-18:00	Obstacles and New Technologies Related to Hydrogen Powered Jet Engines	Kenneth Looby
18:30-19:30	DINNER				
19:30-20:30	GOREME TOUR				

06-09-2024 Friday

PLENARY SPEECH (09.30-10.15)

[Click here to join the meeting](#)

PROF.DR. NADİR YILMAZ

(COMBUSTION, CFD, ROCKET PROPULSION AND AUTOMOTIVE ENGINEERING)

Coffee Break (10:15-10:30)

7. SESSION-ENERGY-SIMULATION (10:30-12:00) Click here to join the session Session Chair: Dr. Gabriel Ibarra-Berastegi Room-1			8. SESSION- FUEL-ENGINE COMBUSTION (10:30-12:00) Click here to join the session Session Chair: Prof. Dr. Nafiz Kahraman Room-2			9. SESSION- GREENHOUSE (10:30-12:00) Click here to join the session Session Chair: Prof. Tasneem Fatma Room-3		
10:30-10:45	Analisis of Security Supply With Energy Resources of European Union to Ensure Its Energy Security	Fita Nicolae Daniel	Electrolysis Unit Design to Improve The Combustion Process In a Diesel Engine	Talip Akbiyik	Will Renewable Energy Transition and Green Credit Speak Louder Towards Achieving Cop28 Targets Across Brics Countries: Novel Evidence From Regression Discontinuity Design	Muhammad Akhtar		
10:45-11:00	Energy Source of The Near Future: Gashydrate Research	Günay Çifci	Multi-Stage Combustion Kinetics of Solid Fuels In Chemical Looping Combustion: An Advanced, Clean Combustion Technology	Dr. Fatih Gulec	Techno-Economic Analysis of Wind-Powered Green Hydrogen Proudction Based On Modular Pem Electrolyzer: a Case Study for Izmir, Türkiye	Engin Deniz Gülay		
11:00-11:15	Assessing The Potential of Concentrated Solar Power (CSP) Technology for Addressing Energy Challenges In Syria: a Simulation Study Using Greenius Software	Mudar Taha	Experimental Investigation of The Impact of Aqueous Ammonia, Hydrogen and Diesel Fuel Mixtures on Exhaust Emissions and Engine	Mehmet Saritaş	Thermodynamic Analysis of Desiccant Dehumidification Assisted Evaporative Cooling System for Greenhouse Farming in Multan (Pakistan	Fakhar Abbas		
11:15-11:30	Photocatalytic Activity of Sno2 Under Solar Spectra for Generation of Hydrogen Energy	Muhammad Junaid	Investigation of the Effect of Ammonia on Hydrogen/Kerosene Mixtures	Alperen Alabaş	Overview of Evaporative Cooling Systems for Greenhouse	Muhammad Adil		

					Temperature And Humidity Control	
11:30-11:45	Population-Based forecast Model for The Primary Energy Consumption of Algeria	Izzet Karakurt	Simulation and Assessment of Emissions Reduction Potential of An ORC-Based Exhaust Heat Recovery Model Automobile Application	Julius Thaddaeus	Determining The Effect of User Profiles On Energy Peak Loads In Buildings for Different Climatic Regions	Aslıhan Şenel Solmaz
11:45-12:00	Cistus Shells Used As a Sustainable Matrix for Bioenergy Production Through Slow Pyrolysis Process: Kinetic and Thermodynamic Study	Hammadi El Farissi	Investigation of Combustion Kinetics of Raw and Torrefied Rose Pulp, and Chicken Manure Mixtures With Local Lignite	Sema Yurdakul		
LUNCH						

PLENARY SPEECH (13:30-14:15)[Click here to join the meeting](#)**PROF. DR. GRZEGORZ BOCZKAJ****(ENVIRONMENTAL SCIENCE, SEPARATION TECHNIQUES, CHEMICAL ENGINEERING, ANALYTICAL CHEMISTRY)****PLENARY SPEECH (14:15-15:00)**[Click here to join the meeting](#)**PROF. DR. BERNA HASÇAKIR****(CARBON CAPTURE AND STORAGE METHODS FOR CLIMATE CHANGE)****Coffee Break (15:00-15:15)****10. SESSION-HEAT TRANSFER (15:15-17:00)**[Click here to join the session](#)**Session Chair: Room-1****11. SESSION- ENERGY - (15:15-17:00)**[Click here to join the session](#)**Session Chair: Prof. Dr. Ahmet Sedat
ŞARMAN Room-2****12. SESSION- GREEN-HOUSE-BATTERY****(15:15-17:00)**[Click here to join the session](#)**Session Chair: Prof. Gamze Genç Room-3**

15:15-15:30	Heat Transfer Performance of Al ₂ O ₃ /Cu-H ₂ O Nanofluids	Oulahou Younes	Effect Of Fin Structures, Pcm, And Porous Media On Latent Heat Thermal Energy Storage Performance	Emrehan Gürsoy	Estimation of Greenhouse Dehumidification Requirements for Tomato and Cucumber Crops	Aneela Sarwar
15:30-15:45	Numerical Investigation of Heat Transfer Improvement of Ring Turbulators Placed In a Pipe	Ayşenur Selvi	Situation of Romanian Energy Resources for Stability and Ensure Energy Security	Fita Nicolae Daniel	Impact of Green Financing and Technology Innovation On Co ₂ Emissions In Pakistan: Pathways to Sustainable Development	Tajalli Fatima
16:00-16:15	Determination of Bubble Behavior and Gas-Solid Distribution Characterization In a Fluidized Bed System	Oguzhan Erbas	Outlier Detection In Energy Consumption of Courier Motorcycles Using Acceleration Patterns From Gps Data	Ilgin Gokasar	Comprehensive Characterization of Activated Carbon Functionalized With Fe ₃ O ₄ and L-Arginine	F. Ezgi Yağmur
16:15-16:30	Numerical Analysis of Geometrical Parameter Influence On KENICS Static Mixer Efficiency	Ahmed Mouissi	ENERGY AND EXERGY ASSESSMENT OF GEOTHERMAL ENERGY-BASED TRIGENERATION PLANT	Yunus Emre YUKSEL	Assessing The Environmental Impacts of International Financial Inflows In Clean Energy R&D and Production In Asian Countries	Abdul Khaliq
16:30-16:45	Impact of Shading On Cooling Loads: a Case Study of a Building	Yasin Kaya	Global Trends of The Significant Wave Height Until 2100 Around Offshore Wind Farms: Implications	Gabriel Ibarra-Berastegi	Recent Developments On Battery Thermal Management Systems By Cooling With Minichannel	Seyfi Sevinç
16:45-17:00	Multiwalled Carbon Nanotube Modified Li ₂ ZnTi ₃ O ₈ As Anode With Improved Electrochemical Performance for Lithium Ion Batteries	Halil Şahan	Performance Enhancement of Li-Ion Batteries By Electrospraying-Assisted Coating of Boron Nitride Nanotubes On Separators	Jaewoo Kim	Effects of Hydrogen Energy Share on The Performance of A Compression-Ignition Engine Running at High Load	Muhammad Usman Saeed Akhtar

Coffee Break (17:00-17:15)

13. SESSION- ENVIRONMENT (17:15-18:30) Click here to join the session Session Chair: Prof. D. Filiz Dadaşer-Çelik Room-1			14. SESSION- ENERGY (17:15-18:30) Click here to join the session Session Chair: Prof. Dr. Abdul Hai Alami Room-2		15. SESSION- ENERGY (17:15-18:30) Click here to join the session Session Chair: Room-3	
17:15-17:30	A Nature-Like Technology for The Restoration of Technogenically Disturbed Limestone Quarry Lands	Ivlieva Margarita	The Effect of Flow Rate On Thermal, Electrical and Overall Performance of Solar Hybrid Pvt Panels	Kadir Zengin	Energy Efficiency and Environmental Assessment of a Business In a Small Rural Town On The U.S./Mexico Border In Texas	Jalal Rastegary
17:30-17:45	Chemical Analysis of The Concentration of Heavy Metals, In Particulate Matter, Pm: 2.5 and Pm: 10 Mg/M3, In The Fly Ash Of: Tc "Kosovo", Complex "Trepça" and Factory "	Donika Sylejmani	The Effect of Cleaning Photovoltaic Panel Surfaces Using a Cleaning Robot On Panel Efficiency: An Experimental Study	Serhat Küçükörün	Parametric Studies On a Freezer With Pcm	Mehmet Furkan Koparan
17:45-18:00	Employing The Trend Analysis for Modelling The Energy-Related Carbon Dioxide Emissions of Turkiye	Izzet Karakurt	Enhancing Solar Energy forecasting Through Chaos Theory and Echo State Networks: a Case Study of The Konya Eregli Solar Power Plant	Taraneh Saadati	Valorization of The Aquatic Wasted Pterocladia Capillacea Biomass Into Sustainable Valued Products to Flourish The Blue Economy	Nour El-Gendy
18:00-18:15	forecasting Meteorological Drought Using Artifical Neural Networks	Fadime Kiliç	Enhancing Surplus Energy Prediction for High Penetration Renewable Energy Systems Using Regularized Support Vector Machine	Foad Karimi	Process Analysis of a Flexible Gasification Based Thermochemical Conversion Concepts of Biogenic Residues and Wastes Into Biomethane and Biochar	Kostis Atsonios
18:15-18:30	Dft and Dft-D3 Calculations of Hcooh Adsorption and Decomposition On Perfect and Defective Au(110) Surfaces	Boungou Cedric Clarfeler	Revolutionizing Football: Advanced Mechanical Engineering for Enhanced Performance, Safety, and Sustainability	Tajalli Fatima	Effect of H2 Dilution On Biogas Mixture In a Industrial Burner	Bugrahan Alabas

**VILLAGE TOUR with GUIDE
GALA DINNER**

07-09-2022 Saturday

16. SESSION- ENVIRONMENT (10:00-11:15) Click here to join the session Session Chair: Prof. Halil Şahan Room-1			17. SESSION- ENERGY (10:00-11:15) Click here to join the session Session Chair: Room-2			18. SESSION-OPTIMIZATION (10:00-11:15) Click here to join the session Session Chair: Prof. Dr. Nuray Ateş Room-3		
10:00-10:15	Mapping The forest: Quantifying and Visualizing the Distribution Patterns of Tree Species In Shangla District of Kpk, Pakistan	Javed Iqbal	Effects of Ambient Temperature On Compressive Strength of Recycled Thermoplastic Materials Used In Wind Turbine Blades	Cihan Çiftci	Multi-Objective Optimization of Hess Topology and Sizing for Metro Vehicles Using Nsga-Iii	Mehmet Fidan		
10:15-10:30	Study The Effect of Smog On The Anatomical and Physiological Behaviour of Some Selected Trees	Rabia Ghaffar	The Importance of Drain Sizing In The Stability of Embankment Dams	Latifa Bendaoudi	Development of a Detailed Multiphysics Model for The Dynamic Performances of Bev On Real Driving Cycles In The City of Naples, Italy	Daniele Piazzullo		
10:30-10:45	Comparative Study of Nutrient and Heavy Metal Behavior Along Oued Sebou	Ahlam Saad	Modelling Hydrological Processes In The Kartalkaya Reservoir Basin (Kahramanmaras, Türkiye) Using Swat	Ahmet Hakan Bekar	Design, Control and Integration of Synchronous DC-DC Step Down Converter with Hybrid Controller Created Using ANN and PID in MATLAB/Simulink Environment to Electrolysis System	Mustafa Ergin ŞAHİN		
10:45-11:00	Environmental Performance Assessment of Different Csp Steel Types With Sol-Gel Coating	Manuel Botejara-Antúnez	Hydraulically-Efficient Hydraulic Design for Multioutlet Submains-I: Methodology	Gürol Yıldırım	Experimental Investigation of Diesel, Aqueous Ammonia and Cng Blends On Performance and Emissions In a Compression Ignition Engine	Happy Sinkala		
11:00-11:15	Modelling Burdur Lake Water Level Dynamics Using Artificial Neural Networks: Multi-Layer Perceptron Approach	Mehmet Soylu	Hydraulically-Efficient Hydraulic Design for Multioutlet Submains-Ii: Comparative Analysis	Gürol Yıldırım	Investigation of Using the Groundwater Treatment Sludge As a Coagulant for Brewery Industry Wastewater Treatment: a Circular Economy Approach	Pelın Soyertaş Yapıcıoğlu		
11:15-11:30	Risk Prioritization of Pesticides In Wastewater According to Concentrations and Contaminant Properties	Hatice Duman	Corporate Carbon Footprint Calculation: İncesu Municipality Example	Ali Kemal Ergül				

Coffee Break (11:15-11:30)

07-09-2022 Saturday

19. SESSION- ENVIRONMENT-FUEL-ENGINE (11:30-12:45) Click here to join the session Session Chair: Dr. Numan Yanar Room-1			20. SESSION- ENERGY-ECONOMY (11:30-12:45) Click here to join the session Session Chair: Dr. Masoud Taghavi Room-2			21. FUEL- -COMBUSTION (11:30-12:45) Click here to join the session Session Chair: Prof. Nour Sh. El-Gendy		
11:30-11:45	Investigation of Half-Metallic Dichalcogenide Alloy for Highly Selective Gas Adsorption	Ahmad Ayesh	Responsible Governance, CSR Performance and Firm Value Creation	BEN CHIKHa SOUHAILA	Techno-Economic Investigation On Solar Based Anaerobic Co-Digestion of Industrial Sewage Sludge and Malt Spro15ut Waste for Biohydrogen Production	Dr. Pelin Soyertaş Yapıcıoğlu		
11:45-12:00	S-Value Datasets for Small Animal Internal Dosimetry Using a Monte Carlo Simulation	Khaoula Laazouzi	State-Flow Based Energy Management System In Micro-Grid Including Fuel Cell	Hamid Bentarzi	Predicting Higher Heating Values of Pure Biodiesels: a Multiple Linear Regression Approach	Mert Gülüm		
12:00-12:15	Experimental Investigation of The Effect of Gasoline Addition On Performance and Emissions In An RCCI Diesel Engine	Talip Akbiyik	The Effect of Macroeconomic Variables On Ecological Footprint: Panel Data Review On Oecd Countries	Sümeyye Rafia Yıldız	a Roadmap of a Techno-Economic Analysis and Better Usage of Biomass for Technology Investors On Biomass Power Industry	Ahmet Sedat Şarman		
12:15-12:30	Thermal Coupling of PEM Fuel Cell Stack With Metal Hydride Hydrogen Storage System: a Computational Study	Uday Raj Singh	Robust Framework for Real-Time Techno-Economic Self-Healing In Microgrids Amid Cyber-Physical Attacks Utilizing Sensitivity Analysis	Elnaz Yaghoubi	Trends In Naoh Deconstruction of Maize Stalk Fractions In The Production of Bioethanol	Tolulope Eunice Kolajo		
12:30-12:45	Advancements In Combustion Technology: The Role of Nanoparticle Fuel Additives, Mechanisms and Theories	Dr. Raşit Atelge	Effect of N2 Dilution On Dynamic Fluctuation of Propane-Hydrogen Flame	Murat Taştan	Investigation of Cultivation Conditions and Harvesting Methods of Microalgae Species to Be Used As Biomass	Yalçın Mete Coşkun		
CLOSING SPEECHES Click here to join the meeting								
CAPADOCIA TOUR								

