

(GMT+3) Istanbul Time+		IEEEES-15 December 20, 2024 Istanbul Atlas University Vadi Campus						
KEYNOTE SPEAKERS								
09.30 - 10:50	09:30-10:10	Prof. Dr. Yunus Çengel						
	10:10-10:50	Prof.Dr. Ram Gupta "Clean Energy for a Growing and Prospering World"						
10:50-11:00		Coffee Break						
Room: Tesla-1			Room: Tesla-2			Room: Harezmi-1		
11:00 - 12:00	Renewable Energy Technologies-2	Session Chair: Muhammet ABDELATI	11:00 - 12:00	Energy and Exergy Analysis-3	Session Chair: Seda Karateke	11:00 - 12:00	Energy Efficient Materials-2	Session Chair: Nurdan Güven Toker
		#32 4-E Assessment of a Cement Clinker Cooler Integrated Poly-Generation Cycle to Produce Power, Cooling, Hydrogen, and Freshwater: Faizan Khalid, Mohammad Uzair, Ugur Akbulut, Safia Akhtar Kazmi, Sunduz Kuk Akcair (online)			#41 Comparison of the Effects of Using Biodiesel, Hydrogen and Kerosene on the Performance of an UAV Turbojet Engine: Cem Yücer, Yavuz Nacaklı			#46 Iron Doped Magnesium Chromite Spinel Coating to Diminish Chromium Poisoning in the SOFC Cathode Environment: Huseyin Unsal, Cristian Savaniu, John T.S. Irvine
		#33 Ananerobic co-digestion of brewery wastewater and malt sprout derived biochar for the enhanced biohydrogen production: Pelin Yapıcıoğlu (online)			#53 Printed Heaters: An Alternative Heat Exchanger for Blood Oxygenators: Rehmat Ullah, Khalid Rahman, Syed Naqvi, Hafiz Rizwan, Taqi Ahmed Cheema			#51 Developmentof an Offshore Wind Power Plant in Türkiye: A Case Study: Tolga Yüksel, Ahmet Yılancı (online)
		#39 An Experimental Investigation of Hydrogen Production from Hydrogen Sulfide Sources: Muhammad Ishaq, Ibrahim Dincer (online)			#54 Thermodynamic Analysis of a Photovoltaic Power Plant: A Case Study in Sivas, Turkey: Ufuk Güner, Tolga Cankurt, Seyed Hamed Pour Rahmati Khalejan			#68 Investigating the electrocatalytic activity of zirconia-doped manganese selenide nanoparticles for OER/HER in an alkaline medium: Shoukat Alim Khan, Tauseef Munawar, Faisal Iqbal, Muammer Koc (online)
		#43 Low cost seawater Electrolyser for Advanced “green” H2 production: Stefania Siracusano, Maria Aurora Mancuso, Vincenzo Antonucci			#55 Evaluating Power Conversion and Exergy Efficiencies in Photovoltaic Power Plant: Insights from a Year-Long Performance Analysis: Ufuk Güner, Tolga Cankurt, Seyed Hamed Pour Rahmati Khalejan			#78 Modified structure of nickel selenide via vanadium doping (NiV2Se4) for high-performance electrochemical overall water-splitting: Tauseef Munawar, Shoukat Alim Khan, Muammer Koc, Faisal Iqbal (online)
12:00-13:45		Lunch						
KEYNOTE SPEAKER								
13:45-14:25		Prof.Dr. Arif Hepbaşlı						
Room: Tesla-1			Room: Tesla-2			Room: Harezmi-1		
14:30 - 15:30	Renewable Energy Technologies-3	Session Chair: Behiye Yuksel	14:30 - 15:30	Energy and Exergy Analysis-4	Session Chair: Seda Karateke	14:30 - 15:30	Energy Efficient Materials-3	Session Chair: H. Can Barutcu
		#45 Low loading of precious metal in a PEM electrolyser: Maria Bottari, Stefania Siracusano			#65 Assessment of a Nuclear Based Integrated System to Produce Useful Outputs: Sibel Uygun Batgi, Ibrahim Dincer (online)			#97 Enhancing Hydrogen Fuel Cell Efficiency: The Role of 3D-Printed Periodic Lattice Structures in Thermal Management and Mass Transport: Shoukat Alim Khan, Muammer Koc (online)
		#56 Energy, Exergy and Environmental Analyses of an Advance Renewable Based Energy System for Multigeneration: Moslem Sharifishourabi, Ibrahim Dincer, Atef Mohany (online)			#82 Application of a Molten Salt Reactor with Helium Brayton Cycle in Nuclear Submarines: Furkan Çavdar, Murat Emre Demir			#101 Investigate the effect of Titanium Dioxide (TiO2) Nanoparticles on Eruca Sativa Oil for Power Transformers: Muhammad Furqan Hameed, Abdul Rehman, Muhammad Muneed Ud Deen, Ghulam Rabbani, Ali Arsalan Saddique, Ammar Ul Hassan (online)
		#60 Investigation of the Effect of Various GO (Graphene oxide) Content on the Optical Properties of PAAm (Polyacrylamide) Composite Thin Films for Possible Solar Cell Applications: Büşra Osma, Gülşen Akın Evingür (online)			#92 Predictive Modeling of Energy and Exergy Effects from Injector Placement in HCCI Engines Running on Diethyl Ether and Biogas Using Machine Learning Techniques: Aditya Sai Samavedam, Prasshanth C.V, Sreekanth Manavalla, Tamilselvan P, Feroskhan M			#107 Online Monitoring of Power Transformer using IoT: Banumathi S, Prathisha A, Santhosh Kumar B, SelvaKarthick M, Shiva Kishnu S (online)
		#105 Integrated Hydrogen Supply Chain Optimization: A MILP Approach for Renewable Energy Transition: Zeynep Bircan Bağdath, Nezir Aydın			#94 Synergistic Surfactant and CO2-Driven Hybrid Enhanced Oil Recovery (EOR) Method: Pranab Boral, Subrata Borgohain Gogoi, Ibrahim Dincer			#112 Simultaneous Electrodeposition of Ni-TiO2 Composite on Stainless Steel for Enhanced Hydrogen Production: Sumeyya Ayca, Ibrahim Dincer
15:30-15:45		Coffee Break						
Room: Tesla-1			Room: Tesla-2			Room: Harezmi-1		
15:45-16:45	Sustainability and Environmental Management-3	Session Chair: Recep Duranay	15:45- 16:45	Energy and Exergy Analysis-5	Session Chair: Mete Oguç	15:45- 16:45	Renewable Energy Technologies-4	Session Chair: Muge Cerci
		#58 Effect of Distilled Waste HDPE Oil as Diesel Engine Fuel on Effective Efficiency: Tevfik Ataman, Ramazan Costu, Erhan Öztürk (online)			#96 Energy-Aware Routing Models based on Meta-Heuristic Algorithms in IoT: Monire Norouzi, Alireza Sourı (online)			#29 Integration of a Novel Small-Scale Roof-Mounted Combined Vertical Axis Wind Turbine for Energy-Efficient Buildings: Cihan Turhan, Yousif Saleh
		#61 Innovative Approaches to H2S Disposal in Geothermal Power Plants: Huseyin Biyıkci, Hasan Kaşıkçı, Yusuf Cambaz			#98 Development of a Green Urea Based Biomass Power Generating System: Dogan Erdemir, Ibrahim Dincer (online)			#67 Performance Analysis of a Phosphoric Acid Fuel Cell System: Kubilay Karalay, Ibrahim Dincer (online)
		#69 A Comprehensive Review of Space Syntax Applications for Sustainable Urban Development in Commercial Areas: Aisha Al-Naama, Azzam Abu-Rayash			#100 Energetic and Exergetic Assessment of a Geothermal District Heating and Cooling System: Ebru Hancıoğlu, Arif Hepbaşlı (online)			#76 Design and thermodynamic analysis of a solar energy-based combined plant for power, hydrogen, heating, and cooling production: Ayşenur BOZKURT, Fatih YILMAZ (online)
		#70 Impacts of Co-Substrate on Biogas Production: Kenan Dalkılıç, Aytac Perihan Akan, Ayşenur Ugurlu			#103 Exploring the Thermodynamic Lifecycle of Cells: A Generalized Exergy Framework for Biomedical Applications: Mete Ögütçü, Zeynep Güneş Öztunalı, Ayhan Bilir			#80 Design and Analysis of Wind-Assisted Sail and Solar Power Systems for Bulk Cargo Ships: Cihan Emre Sahin, Murat Emre Demir
Closing Remarks								
18:30- 21.30		Gala Dinner: İstanbul Üniversitesi Balta Limanı Sosyal Tesisleri						

