

APRIL 28, 2017

Yıldız Technical University, Exhibition Hall

09:10 - 09:15	Opening Speech
09:15 - 09:25	MERVE ALTAY, ALI SURMEN - A REVIEW OF SCALING TECHNIQUES FOR TUNNEL FIRE TESTS
09:25 - 09:35	MERVE ALTAY, ALI SURMEN - INVESTIGATION OF JET FAN EFFICIENCY OF A LONGITUDINAL TUNNEL VENTILATION SYSTEM IN THE EVENT OF A FIRE
09:35 - 09:45	AYTEN ATEŞ, OSMAN MERT, GOKHAN YASAR, NESRİN MACHİN - Gasification of formaldehyde into hydrogen and methane on zirconium oxide catalyst in supercritical water
09:45 - 09:55	HALE SÜTCÜ - COMBUSTION OF LIGNITE AND OIL SHALE
09:55 - 10:05	SAADOON ALBAHADİLİ - Three dimensional study of heat transfer and flow characteristics in shell-and U-tube heat exchanger with baffles and Nanofluid
10:05 - 10:15	NEGIN MAFTOUNİ, FARNAZ SHRIAT ABAHADORİ, ALA AMİN - Kite-gen wind energy converters
10:15 - 10:25	NEGIN MAFTOUNİ, KİANA MOTAGHEDİ - Investigating Solar Systems Applicable in Building Air Conditioning
10:25 - 10:40	<p><b>COFFEE BREAK - POSTER PRESENTATIONS</b></p> <p>AMRANE CHAHİRA, HAMANA DJAMEL - DİLATOMETRIC STUDY OF PRECİPİTATION İN AL-MG ALLOY</p> <p>AMRANE CHAHİRA, HAMANA DJAMEL - Effect of ageing on grain boundary precipitation (Boundary structure) in Al-Mg alloy</p> <p>AMRANE CHAHİRA, HAMANA DJAMEL - Comparative study on the precipitation behavior in two Al-Mg alloys (Al-10 wt.% Mg and Al-5 wt.% Mg)</p> <p>ALİ VOLKAN AKKAYA - MODELING AND SIMULATION OF COAL FIRED SUPERCRITICAL POWER PLANT</p> <p>MERVE ALTAY, ALI SURMEN - A REVIEW OF HEAT RELEASE RATES FOR DIFFERENT FIRES IN TUNNELS</p> <p>SELMİN ENER RUŞEN, GAMZE KARANFİL CELEP, SEYMA NUR POYRAZ - OPTIMIZATION OF SYSTEM PARAMETERS OF HEAT WHEEL TO ENHANCE THE THERMAL EFFICIENCY USING TAGUCHI OPTIMIZATION METHOD</p> <p>SELMİN ENER RUŞEN, GAMZE KARANFİL CELEP, OZAN ÇETİN - THE ENERGY AND EXERGY ANALYSIS OF STEAM TURBINE PLANTS</p> <p>SELMİN ENER RUŞEN, GAMZE KARANFİL CELEP, MUSTAFA CAN - INFLUENCE OF INLET TEMPERATURE AND FLOW RATE OF AIR ON THE THERMAL YIELD OF RECUPERATOR</p> <p>GAMZE KARANFİL CELEP, KEYSER DİNCER - Optimization of the synthesis parameters of TiO2 nano-powders by Taguchi method</p> <p>ABDULLATEEF JADALLAH - A Design Approach for the Horizontal Axis Wind Turbine Rotor</p>
10:40 - 10:50	DEHİNİ RACHİD - Solar Energy Control and Power Quality Improvement using Multilayer Feed Forward Neural Network
10:50 - 11:00	IHSSAN MOHAMMED ALI RASHID RASHID - Natural Convection Heat Transfer in Axially Perforated-Finned Cylinders
11:00 - 11:10	SONER ŞEN - INVESTIGATION OF A MICRO-CHANNEL HEAT TRANSFER PERFORMANCE UNDER ULTRASONIC EFFECT
11:10 - 11:20	ESİN VAROL, MURAT KILIÇ, MERVE KALAY BETGÜ - Investigation of a New Heating Program for Household Pyrolytic Ovens
11:20 - 11:30	MEHMET EKREM CAKMAK, FATİH SORGULU- Computational Modelling and Simulation of Polymer Electrolyte Membrane Fuel Cell with COMSOL
11:30 - 11:40	ABDULLAH AKPOLAT, MOHAMMED ALİ, BURAK ŞAHİN - Analysis of Contact Stresses in Spur Gears by Finite Element Method
11:40 - 11:50	MİHRİGÜL ALTAN, MELTEM DEMİRCİ - CONTROLLING FIBER ORIENTATION IN PLASTIC INJECTION MOLDING DEPENDING ON THERMAL CONDITIONS
11:50 - 12:00	MİHRİGÜL ALTAN, MELTEM DEMİRCİ, YUSUF KAHRAMAN - OPTIMIZATION OF THERMAL PROCESS CONDITIONS ON EXTRUDER FOR POLYLACTIC ACID
12:00 - 13:00	Lunch
13:00 - 13:10	MURAT KILIÇ, BAŞAK BURCU UZUN - Effect of different pretreatments on the thermal conversion of waste biomass
13:10 - 13:20	YAKUP ŞEN - THERMOECONOMIC ANALYSIS OF A TRIGENERATION SYSTEM
13:20 - 13:30	MUSTAFA CENK SARMAN, MUSTAFA TAHİR AKKOYUNLU - TEMPERATURE LOWER EXGERY ANALYSIS USED IN STEAM POWER PLANT
13:30 - 13:40	MUSTAFA CENK SARMAN, MUSTAFA TAHİR AKKOYUNLU - Choice of insulating material which Can be used in hot product transportation
13:40 - 13:50	MAYA KUMCU, DİLEK DURANOĞLU - INVESTIGATION OF BSA ADSORPTION ONTO CALCIUM BENTONITE BY USING EXPERIMENTAL DESIGN METHOD
13:50 - 14:00	MERT ONAN, Ş. HAKAN ATAPEK, SİBEL ZOR - CORROSION BEHAVIOR OF HEAT TREATED COLD WORK TOOL STEELS USED IN WOOD INDUSTRY
14:00 - 14:15	<p><b>COFFEE BREAK - POSTER PRESENTATIONS</b></p> <p>SELİN SARIYER, DİLEK DURANOĞLU, İLKNUR KÜÇÜK, ÖZLEM DOĞAN - ADSORPTION OF BOVINE SERUM ALBUMIN (BSA) ON HYDROGEL BEADS</p> <p>NGAHA EMMANUEL, SAYEN STÉPHANIE, GUILLON EMMANUEL, DURANOĞLU DİLEK - Photocatalytic Degradation of Thiamethoxam in Aqueous Solution by Using Perlite Supported TiO2</p> <p>SAİMİ AHMED, HADJOUİ ABDELHAMİD - Dynamics analysis of a symmetrical on-board rotor by the h-p version of the finite elements method</p> <p>HADJOUİ FATİHA, BOUMAZA FATİMA, DOGHMANE ABDELLAZİZ, HADJOUİ ZAHİA - EVOLUTION OF ACOUSTIC PARAMETERS WITH AG2O IN SILVER-PHOSPHO- VANADATE GLASSES</p> <p>BOUASLA ABDELLAZİZ - STUDY OF RECRYSTALLISATION AND MECHANICAL BEHAVIOUR OF EXTRUDED MATERIALS</p> <p>MERVE ÖZYILMAZ, AZMİ SEYHUN KIPÇAK, NURCAN TUĞRUL, EMEK MOROYDOR DERUN - A REVIEW STUDY ON THE PRODUCTION OF MANGANESE BORATES</p> <p>AYÇA CELEBİ, İKLİM NERGİZ ÖZDOĞAN, AZMİ SEYHUN KIPÇAK, EMEK MOROYDOR DERUN - LITERATURE REVIEW ON THE SYNTHESIS AND CHARACTERIZATION OF CESIUM BORATES</p> <p>İLKNUR KARS DURUKAN, DUYGU DENİZ USTA, EGE EDİZ, ÇİĞDEM KİP, ALİ TUNCEL - Synthesis and Characterization of Au Nanoparticle Based Photocatalysts</p> <p>İLKNUR KARS DURUKAN, DUYGU DENİZ USTA, EGE EDİZ, KOUROUSH SALİMİ, ALİ TUNCEL - Phenol Removal by Magnetic Controlled Continuous Reactor System</p> <p>SAADİ AMİNE AOUANOUK, ABDELKADER MOUHEB, RAFİK ABSİ - NUMERICAL STUDY OF MILK FOULING THICKNESS IN THE CHANNEL OF PLATE HEAT EXCHANGER</p> <p>HADJOUİ ABDELHAMİD - Dynamic analysis by the h-p version of the finite elements method of a rotor under seismic excitations</p>
14:15 - 14:25	MELLAS MEKİLİ - Undrained bearing capacity of embedded strip footings under vertical and horizontal loads
14:25 - 14:35	GHAİTH ABDULWAHİD - DESIGN AND IMPLEMENTATION OF SMART CNC ROBOTIC MACHINE USING ARDUINO
14:35 - 14:45	ONUR GÜNEL, EMRE KOÇ, TAHİR YAVUZ - INVESTIGATION OF THERMAL EFFECT ON 3D PRINTER LIQUEFIER OF DIFFERENT COOLING FAN NOZZLE GEOMETRY
14:45 - 14:55	ONUR GÜNEL, EMRE KOÇ, GÜRCAN TIRYAKI - INVESTIGATION OF FIN GEOMETRY EFFECT ON COOLING PERFORMANCE FOR A FDM 3D PRINTER LIQUEFIER

14:55 - 15:20	<p><b>COFFEE BREAK - POSTER PRESENTATIONS</b></p> <p>REGUIG BENDOUKHA ABDELKARİM, MOUCHAAL YOUNES, REMIL ABDELRAHMANE, YAHIAOUI AHMED - SYNTHESIS OF CONDUCTING POLYMERS AND SOLUBLE APPLICATION IN ORGANIC PHOTOVOLTAIC CELLS</p> <p>DJERIBAA ABDELJALIL, FERKOUS EMBAREK, SAOULA NADIA - INFLUENCE OF MODERN SURFACE TREATMENTS ON THE MECHANICAL PROPERTIES OF CUTTING TOOLS</p> <p>HARROUZ ABDELKADER - Energy Transition in Algeria Facing the Challenge</p> <p>AHMET MERT ÖZDİLİM, ZEHRA YUMURTACI - TECHNICAL AND ECONOMIC ANALYSIS OF POTENTIAL OFFSHORE WIND FARM IN TURKEY</p> <p>FELLAH AHMED, HADJOUİ ABDELHAMİD, BAKHALED BRAHİM - Influence of open cracks on the natural frequencies of rotors</p> <p>BEGAG ABDELAZİZ - Numerical study of heat transfer and pressure drop in a mini-channel which carries trapezoidal undulations with V-shaped folds</p> <p>İSMET ATEŞ, LEVENT ÇETİN, ALPER METE GENÇ, SERKAN DOĞANAY, ALPASLAN TURGUT - PERFORMANCE ASSESMENT OF CUSTOM MADE 3 OMEGA SETUP IN NARROW SCALE THERMAL CONDUCTIVITY MEASUREMENT</p> <p>ROUAG SAFFİDİNE DJJAMILA - An Overview of Different Hybrid Solar Systems: Photovoltaic and Thermal</p>
15:20 - 15:30	MEHMED RAFET ÖZDEMİR, ÖMER REFİK SÖZBİR - SINGLE-PHASE AND TWO-PHASE PRESSURE DROP CHARACTERISTICS AND FLOW BOILING INSTABILITIES IN MICROCHANNELS: A CRITICAL REVIEW
15:30 - 15:40	MEHMED RAFET ÖZDEMİR, ÖMER REFİK SÖZBİR, MUSTAFA YILMAZ - EXERGO-ECONOMIC ANALYSIS OF METALLIC RECTANGULAR MICROCHANNELS IN SINGLE-PHASE FLOW
15:40 - 15:50	MEHMED RAFET ÖZDEMİR, ÖMER REFİK SÖZBİR, MUSTAFA YILMAZ - EXERGY ANALYSIS OF METALLIC RECTANGULAR MICROCHANNELS UNDER SINGLE-PHASE FLOW CONDITIONS
15:50 - 16:00	İLKNUR KARS DURUKAN, DUYGU DENİZ USTA, EGE EDİZ, ÇİĞDEM KİP, ALİ TUNCEL - Wastewater Treatment with Magnetic Microspheres
16:00 - 16:10	HÜSEYİN ELÇİÇEK, MEHMET MUHTAR KOCAKERİM, MEHMET ÇOPUR - FLUE GAS DESULFURIZATION BY ULEXITE MINERAL AND OPTIMIZATION OF WORKING PARAMETERS
16:10 - 16:20	GAMZE KARANFİL CELEP, KEVSER DİNCER - Effects of electrospinning parameters on polyvinylalcohol (PVA) nanofiber diameter: An examination by Taguchi method
16:20 - 16:30	GAMZE KARANFİL CELEP, KEVSER DİNCER - Preparation and characterization of electrospun polyacrylonitrile (PAN) nanofibers
16:30 - 16:45	<p><b>COFFEE BREAK - POSTER PRESENTATIONS</b></p> <p>AYKUT YÜCESOY, HALE BERBER YAMAK - PREPARATION AND CHARACTERIZATION OF FLAME RETARDANT POLYMER COMPOSITES THROUGH EXTRUSION METHOD</p> <p>HADJOUR ZAHİA, GUERRAOUI AMAL, NEBTİ DJAMILA, KHELİFATİ FATİMA ZOHRA, DOGHMANE ABDELLAZİZ - QUANTIFICATION OF ILLUMINATION EFFECTS ON OUTPUT CONDUCTANCE OF A GAAS OPFET</p> <p>KARİMA HEGUEHOUG EP BENKARA-MOSTEFA, Zoubir NEMOUCHI, Lahouari ADJLOUT - ON THE DEVELOPMENT OF THE FLOW AND THE TURBULENCE THROUGH A LINEAR BLADE CASCADE</p> <p>BELAHMADI ESSMA, BESSAİH RACHİD - EFFECT OF MAGNETIC FIELDS ON NATURAL CONVECTION AND ENTROPY GENERATION INSIDE A VERTICAL COAXIAL CYLINDERS FILLED WITH AL2O3-WATER NANOFLUID</p> <p>ADEL HADDOUCHE, MOHAMMED KARA - Fuzzy Logic Controller with Reduced Rules for a Maximum Power Point Tracker</p> <p>FOUZIA BOURFAA, ABDERHAMANE BOUTELALA - Photodegradation of Methylene Blue by using Zinc Oxide Thin Films with Au Nanoparticles as a Catalyst</p> <p>EZGİ BAYRAKDAR ATEŞ, BURAK BARUTCU, FILİZ KARAOSMANOĞLU - Comparison of Auto-Regressive Model and Artificial Neural Networks for feedstock supply forecasting in first generation bioethanol production</p>
16:45 - 16:55	FURKAN BAYAV - EXPERIMENTAL AND THEORETICAL STUDY OF TWO PHASE FLOW JET FORCE AND STAIN REMOVAL PERFORMANCE IN CLEANING PROCESS
16:55 - 17:05	İBRAHİM DOYMAZ, SALİH KARASU - Drying of Banana Slices: Determination of Effective Diffusivity and Activation Energy
17:05 - 17:15	SİRÜN ÖZCELİK, EMRE ÇELEBİ, GÖKHAN KIRKİL - MODELS FOR LONG-TERM ELECTRICITY PRICE FORECASTING FOR TURKISH ELECTRICITY MARKET
17:15 - 17:25	CANDENİZ SEÇKİN - EFFECT OF EJECTOR INTERNAL EFFICIENCIES ON COOLING PERFORMANCE OF AN EJECTOR EXPANSION REFRIGERATION CYCLE WITH A TWO PHASE EJECTOR