

APRIL 27, 2017

Yıldız Technical University, Exhibition Hall

09:00 - 09:05	Opening Speech
09:05 - 09:15	ORHAN ÇAKIR - TEMPERATURE IMPACT IN CHEMICAL MACHINING
09:15 - 09:25	ORHAN ÇAKIR, MURAT KIYAK, İBRAHİM ŞAHİN - INTERNAL COOLING CUTTING TOOL TECHNOLOGY IN TURNING OPERATIONS
09:25 - 09:35	AYÇA GÜLTEN, U. TEOMAN AKSOY, HAKAN F. ÖZTOP - INFLUENCE OF TRAFFIC EFFECT ON HEAT ISLAND POTENTIAL IN AN URBAN CANYON
09:35 - 09:45	AYÇA GÜLTEN, HAKAN F. ÖZTOP - ENTRANSY APPROACH FOR THE DETERMINATION OF OPTIMUM INSULATION THICKNESSES; ELAZIĞ SAMPLE
09:45 - 09:55	HÜSEYİN ŞANLI - PERFORMANCE and COMBUSTION CHARACTERISTICS of WASTE FRYING OIL – DIESEL FUEL BLENDS in a CRDI DIESEL ENGINE
09:55 - 10:05	EMRE KARADUMAN, EMEK MÖRÖYDOR DERUN, IVANIA MARKOVA DENEVA, MEHMET BURÇİN PİŞKİN - SYNTHESIS OF COBALT NICKEL NANOPARTICLES WITH CARBON COATING
10:05 - 10:15	ŞEYMA ÇOBAN, BERKER ÖZKARASU, AZMI SEYHUN KIPÇAK, İBRAHİM DOYMAZ, EMEK MOROYDOR DERUN - MICROWAVE DEHYDRATION MODELLING OF TINCALCONITE
10:15 - 10:25	EBRU FIRAT, AZMI SEYHUN KIPÇAK, EMEK MOROYDOR DERUN, NURCAN TUGRUL - CALCINATION TEMPERATURE DETERMINATION ON THE SYNTHESIS OF MANGANESE BORATES FROM MANGANESE SULFATE MONOHYDRATE
10:25 - 10:40	COFFEE BREAK - POSTER PRESENTATIONS ORHAN BAYTAR, OMER SAHIN, SABİT HOROZ - ACTIVATED CARBON SUPPORTED CO-B CATALYST FOR THE HYDROLYSIS OF SODIUM BOROHYDRIDE HANİFİ KEBİROĞLU, NİYAZİ BULUT, ÖMER KAYGILI - A theoretical work on the structural properties of hydroxyapatite HANİFİ KEBİROĞLU, NİYAZİ BULUT, ÖMER KAYGILI - Temperature dependent parameters of hydroxyapatite molecule HANİFİ KEBİROĞLU, NİYAZİ BULUT, ÖMER KAYGILI - Electric dipole moments of hydroxyapatite YASEMİN ÖZTEKİN ÇİFTÇİ, İREM ÖNER ALP - A THEORETICAL STUDY OF STRUCTURAL, ELASTIC, VIBRATION AND THERMODYNAMIC PROPERTIES FOR HALF-HEUSLER SEMICONDUCTOR LiCaAs COMPOUND USING AB-INITIO METHOD YASEMİN ÖZTEKİN ÇİFTÇİ, İREM ÖNER ALP - THEORETICAL INVESTIGATIONS OF HALF HEUSLER SEMICONDUCTOR LiCaSb COMPOUND WITH MgAgAs STRUCTURE UNDER PRESSURE YASEMİN ÖZTEKİN ÇİFTÇİ, İREM ÖNER ALP, AYLIN AYTAC - FIRST-PRINCIPLES STUDY OF SEMICONDUCTOR LiCaN COMPOUND İREM ÖNER ALP, YASEMİN ÖZTEKİN ÇİFTÇİ - An ab-initio study related to the optical character of LiBeN İREM ÖNER ALP, YASEMİN ÖZTEKİN ÇİFTÇİ - The Ground State Phonon Properties of LiBeAs within Density Functional Theory GÜLCAN DEMİROĞLU TOPÇU, ŞÜKRÜ SEZGİ ÖZKAN, A. ENGİN ÖZÇELİK, MUSTAFA ACAROĞLU - Investigation of Agronomic Techniques of Sunn Hemp (Crotalaria juncea L.) as an Alternative Forage and Energy Crop in Turkey SONER ŞEN, ENGİN ÖZÇELİK, MUSTAFA ACAROĞLU - ENERGY MANAGEMENT AND INSULATION IN BUILDINGS AND GREEN HOUSES
10:40 - 10:50	BURAK AKIN, IDRİSS DAGAL - MULTIPLE OUTPUT FLYBACK CONVERTER AS LOW SCALE HELICOPTER POWER SUPPLY
10:50 - 11:00	BURAK AKIN, MUSTAFA HADİ SARUL - SS-SVPWM Controlled PRDCL Inverter
11:00 - 11:10	BURAK AKIN, MUSTAFA HADİ SARUL - Non Isolated Bi-Directional PFC Dual Boost Converter For An Electrical Vehicle Battery Charge Unite
11:10 - 11:20	SABAN PUSAT, İSMAİL EKMEKÇİ, HASAN HÜSEYİN ERDEM - ENERGY SAVING OPPORTUNITIES FOR NATURAL GAS-FIRED FURNACES
11:20 - 11:30	İBRAHİM DOYMAZ, AZMİ SEYHUN KIPÇAK - INVESTIGATION OF INFRARED DRYING OF POMEGRANATE BY-PRODUCTS
11:30 - 11:40	İBRAHİM DOYMAZ, AZMİ SEYHUN KIPÇAK - HOT-AIR OVEN DRYING OF APPLE POMACE
11:40 - 11:50	MEHMET EMİN ÇİLĞİN, ONDER TURAN - ENTROPY ANALYSIS OF A TURBOFAN ENGINE: A CASE STUDY FOR PW6000
11:50 - 12:00	MEHMET EMİN ÇİLĞİN, ONDER TURAN - ENTROPY ANALYSIS OF A CFM56-7B TURBOFAN ENGINE
12:00 - 13:00	Lunch
13:00 - 13:10	MELİKE TOLU, MÜGE SARI YILMAZ - THE SYNTHESIS OF ORDERED MESOPOROUS KIT-6
13:10 - 13:20	JHAMMAD TURMUDZİ ABDUL AZİS TURMUDZİ, RİZAL KARTİKA WARDHANA RİZAL - SYNTHESIS OF BIOSEMICONDUCTOR BASED NATA DE SOYA FIBER FROM WHEY FOR REDUCTION EFFORT OF ELECTRONIC WASTE
13:20 - 13:30	EKİN KIPÇAK, H. DEMET ÖZALTUN, FERDA ÇAVUŞOĞLU, MESUT AKGÜN - CATALYTIC GASIFICATION OF METHANOL AT SUPERCRITICAL WATER CONDITIONS
13:30 - 13:40	EKİN KIPÇAK, H. DEMET ÖZALTUN, FERDA ÇAVUŞOĞLU, MESUT AKGÜN - HYDROGEN AND FUEL GAS PRODUCTION FROM ISOBUTANOL OVER Pt/Al ₂ O ₃ CATALYST BY SUPERCRITICAL WATER GASIFICATION
13:40 - 13:50	EKİN KIPÇAK, FERDA ÇAVUŞOĞLU, H. DEMET ÖZALTUN, MESUT AKGÜN - THE TREATMENT OF LANDFILL LEACHATE BY SUPERCRITICAL WATER OXIDATION WITH THE USE OF Ni/Al ₂ O ₃ CATALYST
13:50 - 14:00	HAYDER NOORİ MOHAMMED - EXERGY EFFICIENCY FOR THERMAL RADIATION TRANSFER
14:00 - 14:15	COFFEE BREAK - POSTER PRESENTATIONS SAMET ÇELEBİ, MUSTAFA CAN, İSMET ÇEVİK - Effect of Gasoline-Nitromethane Mixtures on Engine Performance SAMET ÇELEBİ, İSMET ÇEVİK, MUSTAFA CAN - Effect of nitromethane - gasoline blends on average effective pressure and effective efficiency of a spark ignition engine SAMET ÇELEBİ, İSMET ÇEVİK, MUSTAFA CAN - Effect of nitromethane - gasoline blends on HC and CO ₂ emissions of a spark ignition engine MUHAMMET ÖZDOĞAN, LÜTFÜ NAMLI, AYDIN DURMUS - NUMERICAL INVESTIGATION OF EFFECTS OF WORKING CONDITIONS ON PERFORMANCE OF PEM FUEL CELL MUHAMMET ÖZDOĞAN, LÜTFÜ NAMLI, AYDIN DURMUS - EFFECTS OF FLOW RATE ON PERFORMANCE OF PEM FUEL CELL MUHAMMET ÖZDOĞAN, LÜTFÜ NAMLI, AYDIN DURMUS - OPTIMISATION OF GAS CHANNEL DIMENSIONS OF PEM FUEL CELL BRAHİM ROSTANE, KHALED ALIANE, SAİD ABBODİ - Three dimensional simulation of unsteady flow around obstacles with rounded downstream edge SEMİH GÖRDÜK, HAKAN YILMAZ, OMER ANDAC - Synthesis, characterization, and hydrogen storage capacity of polymeric squaric acid complex containing 1-vinylimidazole SELAMİ KARSLIOĞLU, SERKAN DEMİR, HAKAN YILMAZ, SEMİH GÖRDÜK - A RATIONAL SYNTHESIS OF A NOVEL IMIDAZO[4,5-f][1,10]PHENANTHROLINE TEMPLATED SCHIFF BASE: CHARACTERIZATION, PHOTOLUMINESCENCE AND DFT/TD-DFT STUDY ÖMER ANDAC, HAKAN YILMAZ, SEMİH GÖRDÜK - Crystal Structure and Hydrogen Adsorption Property of [Cd(sq)(vim) ₂ (H ₂ O) ₂]n Complex
14:15 - 14:25	ZEKİ UYAN, EMRE ÇELEBİ - Co-optimization of Generation and Transmission Investments in Turkish Electricity Market
14:25 - 14:35	BETUL BEKTAS EKİCİ, SAMİ EKİCİ, FATİH UNAL - A Comparison Study on Building-Integrated PV Systems
14:35 - 14:45	SAMİ EKİCİ, DOĞAN GÜRBÜZ, BETUL BEKTAS EKİCİ - Investigating The Effect of Dust and Dirt on PV Output Energy
14:45 - 14:55	MEHTAP ERDİL, BAHAR SENNAROĞLU, SİNAN KESKİN - Evaluation of Energy and Carbon Footprints for Fabric Production in Textile Industry In Turkey: A Case Study
14:55 - 15:05	BENAN ERDOĞAN, FUNDA DEMİR, AZMI SEYHUN KIPÇAK, NURCAN TUGRUL, İBRAHİM DOYMAZ, EMEK MOROYDOR DERUN - THE EFFECT OF EXTRACTION TIME AND SODIUM BICARBONATE AMOUNT ON THE DECOMPOSITION OF CAFFEINE

15:05 - 15:20	<p>COFFEE BREAK - POSTER PRESENTATIONS</p> <p>SEÇKİN D. GÜNAY - Dynamic Properties of Magnesium Arsenide</p> <p>SEÇKİN D. GÜNAY, ÜNSAL AKDERE, ÇETİN TAŞSEVEN - Low- and High-Temperature Structural Analysis of Magnesium Antimonide</p> <p>WİDAD BELDJEBLI, LAID KERKACHE - Effects of thicknesses on the electrical , structural and optical properties of SnO2 thin films prepared by sol-gel method</p> <p>WİDAD BELDJEBLI - Annealing temperature effects on the structural, morphological and electrical properties of TiO2 thin films</p> <p>SOUMÍA ZAIÖU - Mechanical properties of resistant anorthite based ceramics using local raw materials</p> <p>SOUMÍA ZAIÖU, STÉPHANE DESPAX - Spectroscopic characterization of biomolecular complexes DNA / ruthenacycles</p> <p>SOUMÍA ZAIÖU - A new and economic approach to synthesize and fabricate anorthite for biomedical applications</p> <p>BENZENİNE HAMİDOU, SAIM Rachid, ABBOUDI Said - NUMERICAL ANALYSIS OF LAMINAR FLOW AND CONJUGATE HEAT TRANSFER CHARACTERISTICS IN CHANNEL PROVIDED WITH BAFFLE SOLID, PERFORATION SINGLE AND DOUBLE: COMPARATIVE STUDY</p> <p>MUSTAFA HABİB - On board Hydrogen-Oxygen Generation for more 'Pollution Free' and Efficient combustion system: A Practical Case Study</p> <p>OZGE KOYUN, YUCEL SAHİN - Differential Pulse Voltammetric Determination of Nitrite with a Gold Nanoparticle Pencil Graphite Electrode</p> <p>ATİFETE ZUNA - RENEWABLE ENERGY SOURCE IN KOSOVO</p> <p>ATİFETE ZUNA - GEOTHERMAL RESOURCES AND THEIR OPPORTUNITIES USE, IN KOSOVO</p>
15:20 - 15:30	BAKRİ ABDULHAY, OMAR MELHEM, AHMAD HADDAD, OUSSAMA HOBLOS - THERMAL AND FLUID DYNAMICS MODELING OF A PROTON EXCHANGE MEMBRANE FUEL CELL
15:30 - 15:40	BAKRİ ABDULHAY, OMAR MELHEM, ALAA EL LAKİS, AHMAD HADDAD, ZAHER MERHİ - FINITE ELEMENT MODELING OF MELTING PLASTIC FLOW IN THE INJECTION PIPE OF PLASTIC RECYCLING MACHINE
15:40 - 15:50	TOLGA ALTINOLUK, FARZAD ROKHSAR TALABAZAR, ERSİN SAYAR - Experimental investigation of the total melting time at various heat fluxes in an annular cylindrical concentric phase change material
15:50 - 16:00	ERSİN SAYAR, AZİN ASADİTAHERİ - Numerical investigation of melting in a vertical annular cylindrical phase change material
16:00 - 16:10	RİZAL KARTİKA WARDHANA RİZAL - RENEWABLE ENERGY OPTIMIZATION OF ELECTRICAL POWER GENERATION TOWARD THE ENERGY SELF-SUFFICIENT VILLAGE IN MARGAJAYA
16:10 - 16:20	BEYZA ALKAN, SEVKET OZGUR ATAYILMAZ, VASI KADIR ERTİS - A HYBRID NUMERICAL/EXPERIMENTAL STUDY OF THE AERODYNAMIC NOISE PREDICTION
16:20 - 16:30	İBRAHİM MAHARİQ, Saleh Ibrayek Benomran, Emad Elnage Efrites - Buck-Boost-Based Single Phase Inverter for Photovoltaic Applications
16:30 - 16:45	<p>COFFEE BREAK - POSTER PRESENTATIONS</p> <p>HÜSNÜ KARA, KEMAL ÖZDOĞAN - Thermal conductivity effect on the yield of waste heat recovery systems in Y2ZrM(M=Al, Ga, In) full-Heusler materials</p> <p>HÜSNÜ KARA, KEMAL ÖZDOĞAN - The contribution of thermopowers to energy conversion in Hf2TaX (X = Al, Ga, In) Heusler alloys</p> <p>HÜSNÜ KARA, KEMAL ÖZDOĞAN - To regenerate electricity from waste heat: The comparison of power factors in silver-based Ag2CdX(X=Al, Ga, In) compounds</p> <p>HÜSNÜ KARA, KEMAL ÖZDOĞAN - The electrical conductivity supplement to the figure of merit for ferromagnetic X2VAl(X=Sc, Ti) in clean energy research</p> <p>HÜSNÜ KARA, KEMAL ÖZDOĞAN - Computational determination of Hall coefficients for the comparison of charge carrier densities between X2CrAl(X=Sc, Ti)</p> <p>HÜSNÜ KARA, KEMAL ÖZDOĞAN - Finding of Seebeck coefficients by DFT calculations for X2FeAl(X=Sc, Ti) for thermoelectric energy conversion systems</p> <p>FARUK VAROL, Ömer SAVAŞ, VELİ ŞİKŞİK, İBRAHİM ACAR, SALİM ASLANLAR - Analyzing of Mechanical Properties of Owerlap Joint Form in MIG-Brazed Joints of Dual Phase Steel Plates Using Different Gas Flow Rate</p> <p>FARUK VAROL, Ömer SAVAŞ, VELİ ŞİKŞİK, İBRAHİM ACAR, SALİM ASLANLAR - Investigation of Mechanical Properties of Owerlap Joint Form in MIG-Brazed Joints of DP600 Steel Plates Using Different Arc Voltage</p> <p>FARUK VAROL, Ömer SAVAŞ, VELİ ŞİKŞİK, İBRAHİM ACAR, SALİM ASLANLAR - Analyzing of Mechanical Properties of Butt Joint Form in MIG-Brazed Joints of Dual Phase Steel Plates Using Different Gas Flow Rate</p>
16:45 - 16:55	MUSTAFA ÖNAL, ÖZDEN AĞRA - THE EFFECT OF INJECTOR GEOMETRY ON PRIMARY AIR ENTRAINMENT
16:55 - 17:05	NAYYEF TALİB, Yaseen A. J. ALMAHDAWI, MOHAMMED AHMED, RİAİD ALSAEEDİ - Computational analysis of double-pipe heat Exchangers with Nano-fluid