

DECEMBER 21, 2017	
ELITE WORLD PRESTIGE HOTEL TAKSIM, FULYA MEETING HALL, -3RD FLOOR	
09:00 - 09:10	NEGIN MAFTOUNI, SHAGHAYEGH AKBARI - AIR FLOW NETWORK MODELING OF A SIMPLE HOUSE IN ENERGY PLUS
09:10 - 09:20	NEGIN MAFTOUNI, YEKTA MEHRPARVAR - APPLICATIONS OF MICROFLUIDIC SYSTEMS IN LOW DEBIT DRUG DELIVERY
09:20 - 09:30	AMOR BOULOUMA - EFFECT OF Si ON MAGNETIC PROPERTIES OF Fe-Si-Al SENDUST ARC-MELTED ALLOYS
09:30 - 09:40	ENKOS KOSASIH, FIRDAUS FIRDAUS, RAFDI MUHAMMAD - THE COMBINATION OF DEHUMIDIFIER AND ELECTRIC AIR HEATER: PERFORMANCE COMPARISON OF R-134A, R-152A, AND R-407C
09:40 - 09:50	MOURAD HATI - LATTICE BOLTZMANN SIMULATION OF NATURAL CONVECTION IN A PARTIALLY HEATED AND INCLINED ENCLOSURE
09:50 - 10:00	HOJABES MOURAD - PERFORMANCE TESTING AND BLADE DESIGN OF A SMALL WIND TURBINE FOR LOW WIND SPEED APPLICATION
10:00 - 10:10	OLGUN ÇALIŞKAN, ALI VOLKAN AKKAYA - EXPERIMENTAL INVESTIGATION OF ENERGY CONSUMPTION FOR A HYDRAULIC SYSTEM DRIVEN BY FIXED AND VARIABLE SPEED
10:10 - 10:20	MEHMET KEMAL TOZYILMAZ, AHMET DOĞAN, ABDULKERİM OKBAZ, NADER JAVANI, ALI PINARBAŞI - EXPERIMENTAL AND NUMERICAL INVESTIGATION OF SQUEEZING EFFICIENCY AT WASHING MACHINES
10:20 - 10:30	PINAR CELEN, HASAN HÜSEYİN ERDEM - A CASE STUDY FOR CALCULATION OF BOILER EFFICIENCY BY USING INDIRECT METHOD
10:30 - 11:00 (YEŞİM Meeting Hall)	<p>POSTER PRESENTATIONS</p> <p>1) YOUNES DEBBAH - DIAGNOSIS AND PREDICTION OF THE GLOBAL STATE OF A MECHANICAL SYSTEM ROTATING BY THE METHOD OF NEURAL NETWORKS</p> <p>2) SAAD BOUCHEKIOUA - THEORETICAL STUDY OF THE MODE OF COORDINATION CHELATING LIGANDS IN THE LANTHANIDES</p> <p>3) ABLA GUECHI, MOHAMED CHEGAAR - MECHANICAL PROPERTIES OF THE INTERMETALLIC COMPOUND BaSn₂, FIRST PRINCIPAL STUDY</p> <p>4) ABLA GUECHI, MOHAMED CHEGAAR - FIRST-PRINCIPLE STUDY ON THE STRUCTURAL AND ELASTIC PROPERTIES OF AGFeS₂ COMPOUND UNDER DIFFERENT PRESSURES</p> <p>5) ABLA GUECHI, MOHAMED CHEGAAR - AB-INITIO CALCULATIONS OF PHONON AND THERMODYNAMIC PROPERTIES OF AgFeS₂ TETRAGONAL STRUCTURE</p> <p>6) DJIHED REZZIG - NANOIDENTATION: SIMULATION OF THE INFLUENCE OF THE PORES ON THE MECHANICAL BEHAVIOR OF AN ELASTOPLASTIC MATERIAL</p> <p>7) ABDESLAM SAAD - INFLUENCE OF AG INCLUSION ON THE MECHANICAL PROPERTIES OF Ag/Cu NANOCOMPOSITE BY INDENTATION</p> <p>8) MOHAMMED BELKACEM YASMINA - A SURVEY OF SIPM READOUT ASIC FOR NEAR INFRARED ATMOSPHERIC MEASUREMENT USING NANO-SATELLITES</p> <p>9) SI CHAIB AMEL, ALIANE KHALED - INFLUENCE OF SHAPE CHICANES IN THE ABSORBER ON THE GENERATION OF TURBULENCE</p> <p>10) ABBAS MOUSSA, AKSIL TOUNSIA, TRARI MOHAMED - REMOVAL OF COBALT AND LEAD FROM AQUEOUS SOLUTIONS ONTO APRICOT STONE ACTIVATED CARBON (ASAC) - ERROR ANALYSIS METHOD</p> <p>11) SERKAN ERDEM, DERYA B. ÖZKAN, CENK ONAN - MODELING OF AIR CONDITIONING SYSTEM USING R407C REFRIGERANT GAS IN RAILWAY VEHICLES</p> <p>12) DERYA BURCU ÖZKAN, CENK ONAN, SERKAN ERDEM - ECONOMIC ANALYSIS OF THE HEAT RECOVERY EQUIPMENT IN THE AIR CONDITIONING SYSTEM OF A HOTEL BUILDING DURING WINTER AND SUMMER SEASON</p> <p>13) DERYA BURCU ÖZKAN, CENK ONAN - INVESTIGATION OF THE PERFORMANCE OF ALTERNATIVE REFRIGERANTS COMPARED TO THE R134A REFRIGERANT</p> <p>14) HEDİYE İREM ÖZGÜNDÜZ - THE EVALUATION OF BIOMASS CONVERSION PROCESSING ON ORGANIC RESIDUES FOR BIOENERGY</p> <p>15) NIL ACARALI, HEDİYE İREM ÖZGÜNDÜZ - A STUDY ON ENDEMIC PLANTS USED FOR BIOENERGY IN TURKEY</p> <p>16) SELAMI SALIM - CRACKS DETECTION OF HELICAL GEARS USING ENSEMBLE EMPIRICAL MODE DECOMPOSITION (EEMD) AND STATISTICAL DESCRIPTORS</p> <p>17) FERHAT HAMİDA ABDELHAK, TEBBAL İBTİSSAM - DETERMINATION OF THE SERIES RESISTANCE AND THE IDEALITY FACTOR OF SOLAR CELLS BY GENETIC ALGORITHMS IN NOISY ENVIRONMENT</p> <p>18) HADJOUJJA BOUZID, MAGRAMENE ALİMA, ZAİDİ BEDDİAF, KHADRAOUI ASMA, HOUIDJİ NAOUAL, CHOUALİ BAGHDADI, CHİBANI ALLAOUA - EFFECTS OF ARSENIC DOPING AND MEASUREMENT TEMPERATURE ON THE ELECTRICAL CONDUCTION OF POLYCRYSTALLINE SILICON THIN FILMS</p> <p>19) CHOUALİ BAGHDADI, KAMLI KENZA, HOUIDJİ NAOUAL, HADEF ZAKARIA, KHADRAOUI ASMA, HADJOUJJA BOUZİD - SYNTHESIS OF TIN SULPHIDE THIN FILMS USING DIFFERENT PRECURSOR SOLUTIONS</p> <p>20) BOUSSOUF NORA - IMPROVEMENT OF SUPERCONDUCTING PROPERTIES IN Pb-DOPED Bi₂Sr₂CaCu₂O_{8+d} SUPERCONDUCTOR</p> <p>21) BOUSSOUF NORA - STRUCTURAL AND MAGNETIC PROPERTIES OF IRON IN Bi₂Ti₂ CERAMICS</p> <p>22) FACI ABDELAZİZ, BOUAOUADJA NOUREDDINE - STATISTICAL STUDY OF THE INFLUENCE OF SANDING DEFECTS ON THE BEHAVIOR OF THE MECHANICAL RESISTANCE OF SODA-LIME GLASS</p> <p>23) FACI ABDELAZİZ, BENALİ FAROUK - PARAMETERIZED PROGRAMMING OF A NUMERICAL CONTROLLED MACHINE</p>
11:00 - 11:10	ÖMER SAVAŞ, MUHAMMED SONER BAŞER, ÖMER FARUK DEMİROK - PRODUCTION AND WEAR PROPERTIES OF FUNCTIONALLY GRADED Al ₃ Ti/Al-Cu COMPOSITE BY CENTRIFUGAL CASTING
11:10 - 11:20	ÖMER SAVAŞ, ÖMER FARUK DEMİROK, MUHAMMED SONER BAŞER - INVESTIGATION OF WEAR PROPERTIES OF TiB ₂ /Al FUNCTIONAL GRADED COMPOSITES
11:20 - 11:30	UMUT KİNİT - INVESTIGATION OF YAW MOTION-SPEED RELATIONSHIP OF HIGH SPEED TRAIN SET, BY DYNAMIC ANALYSIS METHOD
11:30 - 11:40	SALİH KARASU, İBRAHİM DOYMAZ, SELMA KAYACAN, OSMAN SAGDIÇ - EFFECT OF DIFFERENT DRYING METHODS ON DRYING CHARACTERISTICS AND QUALITY PARAMETERS OF JUJUBE FRUITS
11:40 - 11:50	FATİH OKUMUŞ, GÖRKEM KÖKKÜLÜNK, ZAFER AYDIN, HÜSEYİN ELÇİÇEK - ANALYSIS OF THE FRICTION FORCES BETWEEN PISTON RING-CYLINDER LINER PAIRS ON MARINE DIESEL ENGINES USING EMULSIFIED
11:50 - 12:00	ZAFER AYDIN, HÜSEYİN ELÇİÇEK, GÖRKEM KÖKKÜLÜNK, FATİH OKUMUŞ - FRICTION BEHAVIOURS OF LUBRICATION OIL CONTAMINATED WITH COOLING WATER IN MARINE DIESEL ENGINES
12:00 - 13:00	Lunch
13:00 - 13:10	GÖRKEM KÖKKÜLÜNK, VEYSİ BAŞHAN, AHMET KAYA, HALİL İBRAHİM SÖNMEZ, AYTEKİN SARICA - DETERMINATION OF THE WASTE HEAT RECOVERY POTENTIAL FOR A BULK CARRIER SHIP'S DIESEL GENERATOR
13:10 - 13:20	BİRGÜL AŞÇIOĞLU TEMİZTAŞ, FURKAN ÇAKMAKCI, BARIŞ BILGIÇ, RAMAZAN BAYRAK - CRASH ANALYSIS OF REAR UNDER-RUN PROTECTION DEVICE BY FINITE ELEMENT METHOD
13:20 - 13:30	BİRGÜL AŞÇIOĞLU TEMİZTAŞ, NECİP CAN TEKİN, RAMAZAN BAYRAK, ALPAY ORA - NUMERICAL AND ANALYTICAL ANALYSIS OF POINT CONTACT
13:30 - 13:40	ALPAY ORAL, MAHSUN DURSUN, EREN NECATİ SENGÜN, BİRGÜL AŞÇIOĞLU TEMİZTAŞ - MULTIAXIAL FATIGUE ANALYSIS OF A PLASTICALLY DEFORMED HOOK USING CRITICAL PLANE THEORY
13:40 - 13:50	MERAL YILDIRIM, EMEK MOROYDOR DERUN - PROPERTIES OF CEMENT MORTAR INCORPORATING NANO-CuO AND INDUSTRIAL WASTES
13:50 - 14:00	FUNDA DEMİR, EMEK MOROYDOR DERUN - CHARACTERIZATION OF GEOPOLYMERS SYNTHESIZED BY GOLD MINE TAILINGS AND INVESTIGATION EFFECTS OF ADDITIONAL ALUMINA
14:10 - 14:10	ORHAN ÇAKIR - CHEMICAL MACHINING OF STAINLESS STEELS
14:10 - 14:20	ORHAN ÇAKIR, ALİSEYDİ CELİK - INFLUENCE OF WIRE ELECTRICAL DISCHARGE MACHINING PARAMETERS ON WHITE LAYER FORMATION
14:20 - 14:30	ORHAN ÇAKIR, DORUK GURKAN - ELECTRICAL DISCHARGE MACHINING OF INCONEL ALLOYS
14:30 - 14:40	ENGIN ERBAYRAK, HALİL ÖZER, SEDA ERBAYRAK, KADIR ÇEPER, BERKAY AĞIRKOL, EMRE GÜNER - EFFECT OF ADHESIVE TYPE ON FREE TRANSVERSE VIBRATION OF SINGLE LAP JOINT
14:40 - 14:50	ERCÜMENT UĞUR YÜNCÜOĞLU, MUSTAFA TASHİN, UĞUR MUTLU, SERDAR SEBER, BEKİR SİTKİ TÜRKMEN - STRESS ANALYSIS OF BRACKETED ENDED GIRDER UNDER EXTERNAL FORCE
14:50 - 15:00	ERCÜMENT UĞUR YÜNCÜOĞLU, BEDRETTİN MELİH GÜNER, EYUP BAGCI - INVESTIGATION OF COMPOSITE MATERIALS STRENGTH IN TERMS OF VARIOUS PARAMETERS

15:00 - 15:20 (YEŞİM Meeting Hall)	POSTER PRESENTATIONS	
	1) NABI ABDERRAHIM, ZOUBIR AHMED-FOITH, CHERIET MOHAMMED EL AMINE - OPTIMAL SELECTION OF STAR CAMERA PARAMETERS USING COMPUTER SIMULATION 2) GUECHI FIROUZ - A CYBERNETIC APPROACH TO THE PROBLEM OF A FREE SURFACE FLOW 3) AMEL HAICHOUR - STRUCTURAL AND OPTICAL PROPERTIES OF NICKEL OXIDES THIN FILMS PREPARED BY SPRAY PYROLYSIS METHOD 4) BENKADDOUR YOUSRA, BENKADDOUR AMINA, BENKADDOUR IMEN - ON SOME DENSITY, ELASTIC AND ELECTRONIC PROPERTIES OF RARE RE EARTH INTERMETALLIC TYPE OF COMPOUNDS 5) BENSALD NASREDDINE - BEHAVIOR OF THE MECHANICAL STRENGTH OF SILICO SODA-LIME GLASS UNDER CHEMICAL TREATMENT IN MICROSCRATCHING 6) BENTERKI SMAİL, FACI ABDELAZIZ, BOUSBAA CHABANE - THE LIGHT SCATTERING BY TRANSMISSION AND REFLECTION STUDY ON A SANDBLASTED GLASS 7) MOURAD BETTAYEB, RACHID BOUZID, NOUREDDINE ABDELBAK, MOHAMED GACEB - STUDY OF RELIABILITY OF PIPELINE REHABILITATED BY COMPOSITE MATERIALS BY USING FORM METHOD 8) SAMIRA ZIANE - COMPETITIVE REMOVAL OF AZO DYES BY MODIFIED DOLOMITE - PERFORMANCE AND MECHANISM STUDIES 9) H. CHAKER, N. AMEUR, L. CHERIF-AOUALI, S. FOURMENTIN - PHOTOCATALYTIC DEGRADATION BY Ag/TiO ₂ NANOPARTICLES UNDER VISIBLE LIGHT IRRADIATION 10) MOHAMED LAMINE BOUCHEMAL, SAMIA BOUHEDJA - GEOMETRICAL OPTIMIZATION OF A PHONONIC CRYSTAL FOR A BETTER ABSOLUTE BAND GAP 11) BENAHMED LAMIA, ALIANE KHALED - NUMERICAL SIMULATION OF A TURBULENT FLOW AROUND AN OBSTACLE WITH SLOPING SIDES 12) BOULKHESSAIM SALIM - X-RAY DIFFRACTION STUDY OF ORDERING IN THE TERNARY Ti-AL-C LIGHTWEIGHT METALLIC ALLOYS ELABORATE BY HIGH FREQUENCY HF 13) HANANE ABURIDEH - EXPERIMENTAL STUDY OF A NEW SOLAR STILL 14) BOUCHARREB FATIMA ZOHRA - CHARACTERIZATION OF BISMUTH TRIOXIDE THIN FILMS PREPARED THROUGH THE SPRAY PYROLYSIS METHOD: ANNEALING EFFECT 15) MOHAMED EL AMINE BEN SEGHER, ELAHOUMNE BOUALI, MOURAD BETTAYEB - ANALYSIS OF THE CORROSION DEFECTS GROWTH IN OIL AND GAS PIPELINES BASED ON THE MARKOV PROCESS 16) FEDDAG AHMED - PRODUCTION OF LIQUID FUELS FROM NATURAL GAS 17) MERAL YILDIRIM, EMEK MOROYDOR DERUN - EFFECTS OF NANO-CuO ON THE MICROSTRUCTURAL PROPERTIES OF INDUSTRIAL WASTE CONTAINING MORTARS 18) BINNUR SAĞBAŞ - IN-SITU TEMPERATURE MEASUREMENT TECHNIQUES FOR ADDITIVE MANUFACTURING 19) CEM ALAKUZU, BINNUR SAĞBAŞ - METROLOGICAL EVALUATION OF THE EFFECT OF TEMPERATURE PARAMETER CHANGES ON MECHANICAL PROPERTIES OF COPPER PIPE IN BRAZING PROCESS 20) FUNDA DEMİR, MERAL YILDIRIM, EMEK MOROYDOR DERUN - DIFFERENT ALKALINE SOLUTION'S EFFECTS ON THE GEOPOLYMERIZATION OF GOLD MINE TAILINGS	
	15:20 - 15:30	ASIM SINAN KARAKURT, BAHRI SAHİN - EXERGETIC AND ECOLOGICAL PERFORMANCE ANALYSIS AND OPTIMIZATION OF BRAYTON CYCLE VIA MEAN CYCLE PRESSURE CRITERION (MCP)
	15:30 - 15:40	ASIM SINAN KARAKURT, VEYSİ BASHAN, YASIN ÜST - COMPARATIVE MAXIMUM POWER DENSITY ANALYSIS OF A SUPERCRITICAL CO ₂ (s-CO ₂) BRAYTON POWER CYCLE
	15:40 - 15:50	NURI ALPAY KUREKCI, MEHMET ÖZCAN - A PRACTICAL METHOD FOR THE DETERMINATION OF ECONOMIC INSULATION THICKNESS OF HOT WATER PIPES
	15:50 - 16:00	CAFER DEMİRTAŞ, MEHMET BAŞLAR, ÖMER SAİD TOKER - EFFECT OF THERMOSONICATION PROCESS ON QUALITY PARAMETERS OF APPLE JUICE DURING SHELF LIFE
	16:00 - 16:10	MUHAMMED EMİN BAŞAK, FIRAT KAÇAR - GROUNDED INDUCTANCE SIMULATOR REALIZATION BY USING CURRENT FEEDBACK OPERATIONAL AMPLIFIER AND ITS FILTER APPLICATION
	16:10 - 16:20	AHMET KAYA, GUVEN GONCA - INFLUENCES OF NITROGEN ADDITION ON PERFORMANCE CHARACTERISTICS AND NO FORMATION OF AN SI ENGINE OPERATING WITH DIFFERENT FUELS
	16:20 - 16:30	HAMİT KENAN, OKTAY AZELOĞLU, SEYHAN ÖZEN - A STUDY ON PALLET MECHANISM DAMAGE OF CHAIN CONVEYOR
	17:00 - 17:10	ÖYKÜ DERYA ŞENOCAK, NURHAN CANSEVER, MURAT DANIŞMAN - ANODIC OXIDATION OF BULK NIOBIUM IN H ₂ SO ₄ AND NaCl SOLUTIONS
	17:10 - 17:20	KENAN YİĞİT, BORA AÇARKAN - AN EXAMINATION OF THE PHOTOVOLTAIC, ENERGY STORAGE, AND DIESEL HYBRID POWER SYSTEM FOR THE SHIP APPLICATIONS
	17:20 - 17:30	SAMİ KURAL, OKTAY AZELOĞLU - INVESTIGATION DYNAMIC BEHAVIORS OF CRANE BEAMS UNDER MOVING LOADS
	17:30 - 17:40	SERDAR TURGUT İNCE, ANKUSH KUMAR, JEOM KEE PAIK - A STUDY ON ICE-STRUCTURE INTERACTION MODELLING FOR COLLISION ASSESSMENT OF MARINE STRUCTURES AND ICE-RIDGES
	17:40 - 17:50	SERKAN GALATA - EXPERIMENTAL INVESTIGATION OF HIGH PRESSURE WATER INJECTION ON THE ENGINE PERFORMANCE AND EXHAUST EMISSIONS OF A LPG FUELLED SI ENGINE
	17:50 - 18:00	HASAN KÖTEN, SEVDENUR DEMİREL - DETAILED MODELING OF A PIEZO ACTUATED COMMON RAIL INJECTOR
	18:00 - 18:10	HASAN KÖTEN, ÖZLEM BOYDAK - ENGINEERING ANALYSIS OF AN ORGANIC RANKINE CYCLE (ORC) SYSTEM DESIGN
	18:10 - 18:20	HASAN KÖTEN, SALİH BURAK BİLAL - RECENT DEVELOPMENTS IN ELECTRIC VEHICLES