

Conference Programme

Plenary Session I : 18.11.2021 - Thursday (14:30 - 16:45) (GMT +3)

Session chair : Mustafa Acarer

Virtual Hall I	0202 : METAHEURISTIC ALGORITHMS APPLIED IN PERMANENT MAGNET MOTORS OPTIMAL DESIGN LUKASZ KNYPINSKI Presenter: LUKASZ KNYPINSKI
	0256 : HIGH PERFORMANCE COMPUTING ON GRAPHS KAMER KAYA Presenter: KAMER KAYA
	0382 : PULSED DC POWDER PACK BORIDING PROCESS IVAN ENRIQUE CAMPOS SILVA Presenter: IVAN ENRIQUE CAMPOS SILVA

Session 1 : 18.11.2021 - Thursday (09:00 - 10:30) (GMT +3)

Session chair : Mehmet Cunkas

Virtual Hall I	0133 : ENERGY MANAGEMENT INTELLIGENT STREET LIGHTING SYSTEM IN AHAR CITY WITH THE INTERNET OF THINGS A CASE STUDY HESAM MORADI, ISMAIL KIYAK Presenter: HESAM MORADI
	0215 : RULE BASED DETECTION OF DEATH RISK IN HEART FAILURE PATIENTS ILHAMI SELVI, MUHAMMED KURSAD UCAR Presenter: ILHAMI SELVI
	0246 : PROPAGATION OF GAUSSIAN BEAM IN ATMOSPHERIC TURBULENCE GAMZE NUR SECILMIS, KHOLOUD ELMABRUK Presenter: GAMZE NUR SECILMIS
	0253 : DETECTION OF ERRORS IN GLASS PRODUCTS IN STUDIO ENVIRONMENT WITH IMAGE PROCESSING AND DEEP LEARNING METHODS ALI BURAK ULAS, FILIZ SARI Presenter: ALI BURAK ULAS
	0351 : PROPAGATION CHARACTERISTICS OF LOW TERAHERTZ BAND CHANNELS DIDEM BORAN, SELVA M CURUK Presenter: DIDEM BORAN
	0195 : HARMONIC ANALYSIS OF INPUT CURRENT OF 6 PULSE AND 12 PULSE RECTIFIERS ATILLA DONUK Presenter: ATILLA DONUK
	0361 : APPLICATION EXAMPLE OF DEEP ECHO STATE NEURAL NETWORKS CASE STUDY PREDICTION OF MOBILE HYDRAULIC CRANE S PRESSURE AND ECU TEMPERATURES KERIM KARAGOZLER Presenter: KERIM KARAGOZLER

Session 1 : 18.11.2021 - Thursday (09:00 - 10:30) (GMT +3)

Session chair : Sevket Bediroglu

Virtual Hall II	0190 : EARTHQUAKE RISK ASSESSMENT OF MASONRY AND MIXED BUILDINGS A CASE STUDY HANDE GOKDEMIR, HAKAN BILICI, HANDAN KUNKCU Presenter: HANDAN KUNKCU
	0299 : INVESTIGATION OF THE TECHNICAL PROPERTIES OF PANELS PRODUCED USING EXPANDED PERLITE KENAN TOKLU, MURAT GOKCE Presenter: KENAN TOKLU
	0311 : EFFECT OF LIQUID MEDIUM AND DIFFERENT APPLICATION USED IN MICP ON SOME PROPERTIES OF CEMENTED SOILS HARUN AKOGUZ, SEMET CELIK Presenter: HARUN AKOGUZ
	0294 : EFFECTS OF MOLDS OF DIFFERENT DEPTHS ON MICROBIAL CARBONATE PRECIPITATION SEMET CELIK, HARUN AKOGUZ, OZLEM BARIS Presenter: HARUN AKOGUZ
	0377 : INVESTIGATION OF THE DYNAMIC BEHAVIOR OF SOILS OF KONYA ORGANIZED INDUSTRIAL ZONE BY EQUIVALENT LINEAR ANALYSIS METHOD ATILA DEMIROZ, FATIH YILDIZ Presenter: FATIH YILDIZ
	0191 : URBAN GREEN AREA AND PARK ACCESSIBILITY GIS BASED HYBRID MODEL ANALYSIS AND ASSESSMENT SEVKET BEDIROGLU Presenter: SEVKET BEDIROGLU
	0347 : A PROCEDURE TO ACQUIRE NOISE FREE RECEPTANCE MATRIX FOR RECEPTANCE COUPLING SUBSTRUCTURE ANALYSIS KADIR KIRAN Presenter: KADIR KIRAN

Session 2 : 18.11.2021 - Thursday (10:45 - 12:15) (GMT +3)

Session chair : Nurettin Dogan

Virtual Hall I	0223 : DETECTING THE MODE OF WRITTEN DISCOURSE IN TURKISH NEWS TEXTS USING DEEP LEARNING ASLI EYECIOGLU OZMUTLU, SERAP DURMUS Presenter: ASLI EYECIOGLU OZMUTLU
	0197 : ENERGY DEMAND PROJECTION OF TURKEY BASED ON COOT BIRD METAHEURISTIC OPTIMIZER ISMAIL KOC Presenter: ISMAIL KOC
	0315 : MEDICAL IMAGE STEGANALYSIS USING DEEP CONVOLUTIONAL NEURAL NETWORK RUKIYE KARAKIS Presenter: RUKIYE KARAKIS
	0255 : MOVING PEOPLE EFFECT ON INDOOR MOBILE NODE LOCATION ESTIMATION BASED ON WI FI SIGNALS NECLA BANDIRMALI ERTURK Presenter: NECLA BANDIRMALI ERTURK
	0383 : INVESTIGATION OF THE EFFECT OF VIRTUAL REALITY APPLICATIONS ON OCCUPATIONAL HEALTH AND SAFETY TRAINING SELAHATTIN ALAN, YUSUF GOK Presenter: YUSUF GOK
	0340 : A HYBRID PHISHING DETECTION MODEL BASED ON TRANSFORMER CHARACTERBERT FROM URLS MUHAMMAD SANWAL, ALPER OZCAN Presenter: MUHAMMAD SANWAL
	0323 : THE ALGORITHM FOR NEW SECRET SHARING SCHEME I BUKURIE IBRAHIMI, ZAMIR DIKA, ARTAN LUMA Presenter: BUKURIE IBRAHIMI

Session 2 : 18.11.2021 - Thursday (10:45 - 12:15) (GMT +3)

Session chair : Arife Akin

Virtual Hall II	0229 : TEMPORAL TRENDS OF EXTREME PRECIPITATION AND TEMPERATURE INDICES CIHANGIR KOYCEGIZ, MERAL BUYUKYILDIZ Presenter: CIHANGIR KOYCEGIZ
	0230 : HYDROMETEOROLOGICAL TREND ANALYSIS FOR 1990 2017 A CASE STUDY SARIZ TURKEY CIHANGIR KOYCEGIZ, MERAL BUYUKYILDIZ Presenter: CIHANGIR KOYCEGIZ
	0136 : GROUNDWATER FLOW SIMULATION WITH HIGH ORDER FINITE DIFFERENCE METHOD AMIN GHAREHBAGHI Presenter: AMIN GHAREHBAGHI
	0271 : USE OF F TYPE FLY ASH IN CEMENT MORTAR WITH ALTERNATIVE MIXING METHODS ARIFE AKIN, MARVAN ALITHAWI Presenter: ARIFE AKIN
	0188 : MECHANICAL AND PHYSICAL PROPERTIES OF GLASS FIBER AND FLY ASH ADDED CEMENT BONDED COMPOSITES MARVAN ALITHAWI, ARIFE AKIN Presenter: ARIFE AKIN
	0174 : INVESTIGATION OF THE USE OF TEFLON PTFE LEAD BRASS AND CARBON FIBER PLATES AS FRICTION PADS IN ROTATIONAL FRICTION DAMPERS ENSAR SUCI, NAIL KARA Presenter: ENSAR SUCI
	0306 : STATIC RESPONSE OF STEEL BEAMS WITH RECTANGULAR WEB OPENINGS FAHRETTIN KURAN, AHMAD RESHAD NOORI Presenter: FAHRETTIN KURAN
0252 : WAYFINDING SOLUTION AS STRENGTHENING METHOD FOR SCHOOL BUILDINGS IN CYPRUS ISMAIL SAFKAN, ZEHRANILAY BILSEL Presenter: ISMAIL SAFKAN	

Session 3 : 18.11.2021 - Thursday (17:00 - 19:00) (GMT +3)

Session chair : Hasan Ulus

**Virtual
Hall I**

0248 : STRUCTURAL PERFORMANCE EVALUATION ON ALUMINUM PLATES RETROFITTED WITH COMPOSITE IMPACT OF HYBRID BONDED BOLTED JOINING METHODS UNDER THE FLEXURAL LOADING
HASAN ULUS, HALIL BURAK KAYBAL
Presenter: HASAN ULUS

0235 : THE EFFECT OF HEAT TREATMENTS APPLIED TO 3D PRINTED CONTINUOUS FIBER REINFORCED THERMOPLASTIC COMPOSITES ON MECHANICAL PROPERTIES
BAHRI BARIS VATANDAS, RECEP GUMRUK, ALTUG USUN, NURI YILDIZ
Presenter: BAHRI BARIS VATANDAS

0234 : INVESTIGATING OF THE EFFECTS OF HOT ISOSTATIC PRESSURE HEAT TREATMENT ON MECHANICAL PROPERTIES OF PLA BASED BCC LATTICES
HAMDI KULEYIN, ALTUG USUN, RECEP GUMRUK
Presenter: BAHRI BARIS VATANDAS

0356 : OPTIMIZATION OF BARREL WALL THICKNESSES USED IN SHOTGUNS THROUGH FINITE ELEMENTS METHOD
ABDULLAH UGUR, RIFAT YAKUT, HAYRETTIN DUZCUKOGLU, OMER SINAN SAHIN
Presenter: RIFAT YAKUT

0302 : EFFECT OF SHRINK FIT PROCESS ON TOTAL EQUIVALENT STRESS AND TOTAL AMOUNT OF MATERIAL
MEVLUT AYDIN, MEVLUT TURKOZ
Presenter: MEVLUT AYDIN

0301 : INVESTIGATION OF CUTTING TOOL OVERHANG LENGTH EFFECT ON SURFACE ROUGHNESS OF GGG70 CAST IRON
MEVLUT AYDIN, MEVLUT TURKOZ
Presenter: MEVLUT AYDIN

0184 : ON THE EFFECT OF CELLULAR PERIODICITY OF ACOUSTIC TRANSMISSION LINE METAMATERIALS WITH VISCO THERMAL EFFECTS
TUBA BAYGUN, ABDULLAH SECGIN
Presenter: ABDULLAH SECGIN

0286 : SB2SE3 BASED THIN FILM SOLAR CELLS IN SUPERSTRATE CONFIGURATION
S HAZAL GUNDOGAN, GULNUR AYGUN, LUTFI OZYUZER, FULYA TURKOGLU, AYTEN CANTAS
Presenter: S HAZAL GUNDOGAN

Session 3 : 18.11.2021 - Thursday (17:00 - 19:00) (GMT +3)

Session chair : Havva Demirpolat

**Virtual
Hall II**

0146 : TENSILE AND FLEXURAL PROPERTIES OF BASALT CARBON GLASS EPOXY HYBRID COMPOSITES
ESMAEL ADEM ESLEMAN, GUROL ONAL
Presenter: ESMAEL ADEM ESLEMAN

0138 : CONTROL MOMENT GYROSCOPE FOR ROLL STABILIZATION OF A TRAILER
FARUK UNKER
Presenter: FARUK UNKER

0143 : AN APPLICATION FOR THE SELECTION OF STEEL SHEET MATERIALS USED IN AUTOMOTIVE CONSTRUCTION WITH THE MOORA METHOD
BATUHAN OZAKIN
Presenter: BATUHAN OZAKIN

0296 : MOLECULAR DYNAMICS SIMULATIONS OF THE LATTICE THERMAL CONDUCTIVITY OF MONOLAYER AND BILAYER MOS2
AHMET EMIN SENTURK
Presenter: AHMET EMIN SENTURK

0333 : THE EFFECT OF SPECIMEN SIZE AND PREPARATION METHOD ON THE MECHANICAL PROPERTIES OF TI 6AL 4V SHEETS
HABIP GOKAY KORKMAZ, SERKAN TOROS, MEVLUT TURKOZ
Presenter: HABIP GOKAY KORKMAZ

0357 : NUMERICAL FRACTURE ANALYSES FOR A STRUCTURE CONTAINING INCLINED CRACKS
OGUZHAN DEMIR, ABDURREZZAK BOZ
Presenter: ABDURREZZAK BOZ

0374 : EXPERIMENTAL STUDY ON DESIGN AND OPTIMIZATION OF RUBBER DIE PRE-HEATING FURNACE
HAVVA DEMIRPOLAT, SERACETTIN AKDI
Presenter: SERACETTIN AKDI

0173 : DETERMINATION OF EFFECTIVE THERMAL CONDUCTIVITY OF COMPOSITES BY LITERATURE MODELS
EYUB CANLI, HARUN SEPETCIOGLU
Presenter: EYUB CANLI

Session 4 : 19.11.2021 - Friday (09:00 - 10:30) (GMT +3)

Session chair : Ahmet Cevahir Cinar

Virtual Hall I	0142 : AN EFFECTIVE AND ROBUST MACHINE LEARNING APPROACH FOR AUTOMATED HUMAN POSTURE DETECTION FROM IOTS MODULE FATIH DEMIR, YAMAN AKBULUT, BURAK TASCI Presenter: BURAK TASCI
	0274 : PERFORMANCE COMPARISON OF MODEL STORAGE FORMATS FOR DEPLOYING DATA MINING MODELS ERSIN YILDIZ, TURGAY TUGAY BILGIN Presenter: ERSIN YILDIZ
	0276 : DETECTION OF MALARIA WITH SUPPORT VECTOR MACHINES ALGORITHM BEKIR AKSOY Presenter: BEKIR AKSOY
	0328 : COMPARATIVE ANALYSIS OF GENETIC CROSSOVER OPERATORS FOR THE P MEDIAN FACILITY LOCATION PROBLEM NAZIFE NUR ERDOGMUS, BILAL ERVURAL, HUSEYIN HAKLI Presenter: NAZIFE NUR ERDOGMUS
	0258 : ANALYZING THE EFFECTS OF RANDOM NUMBER GENERATORS ON ARTIFICIAL GORILLA TROOPS OPTIMIZER IN SOLVING GEAR TRAIN DESIGN PROBLEM AHMET CEVAHIR CINAR Presenter: AHMET CEVAHIR CINAR
	0283 : A REVIEW ON PREDICTING EVOLUTION OF COMMUNITIES ARZUM KARATAS, SERAP SAHIN Presenter: ARZUM KARATAS
	0149 : PREVENTING IMAGE DUPLICATION USING SIMILARITY METHODS HINCAL TOPCUOGLU, BEHCET MUTLU, CEVHERNUR SOYLEMEZ Presenter: HINCAL TOPCUOGLU

Session 4 : 19.11.2021 - Friday (09:00 - 10:30) (GMT +3)

Session chair : Ismail Saritas

Virtual Hall II	0310 : EXPERIMENTAL INVESTIGATION OF OPTIMUM TILT AND ORIENTATION ANGLE IN THE PHOTOVOLTAIC PANELS MUSTAFA ARSLAN, MEHMET CUNKAS Presenter: MUSTAFA ARSLAN
	0314 : SENSOR BASED DAIRY ANIMAL HEALTH MONITORING AND USER NOTIFICATION SYSTEM MUHAMMED KEREM TURKES, MUHAMMET MUSTAFA YURDAKUL, HAKAN AKCA Presenter: MUHAMMED KEREM TURKES
	0216 : DESIGN OF A SYNCHRONOUS FOUR SWITCH BUCK BOOST CONVERTER FOR PORTABLE COMMUNICATION SYSTEMS ONUR TEK, D AHMET KOCABAS Presenter: ONUR TEK
	0345 : A 6 BIT TWO CHANNEL TI ADC IN SI GE HBT BICMOS TECHNOLOGY VUSALA ABBASOVA, ALI TANGEL Presenter: VUSALA ABBASOVA
	0353 : A NEW APPROACH TO INCREASING THE EFFICIENCY OF SOLAR PANELS ALI SINAN CABUK Presenter: ALI SINAN CABUK
	0352 : COMPARISON OF OPTICAL OFDM TECHNIQUES IN VISIBLE LIGHT COMMUNICATION SELVA MURATOGLU CURUK Presenter: SELVA MURATOGLU CURUK
	0211 : PARALLEL OPERATION OF SINGLE PHASE INVERTERS IN ISLANDED MICROGRIDS MUHAMMED NURI ISIK, MEHMET UCAR, EMRE AVCI Presenter: MUHAMMED NURI ISIK

Session 5 : 19.11.2021 - Friday (10:45 - 12:15) (GMT +3)

Session chair : Onur Inan

Virtual Hall I	0239 : A JOINPOINT REGRESSION ANALYSIS OF TRENDS IN MORTALITY DUE TO COVID 19 PANDEMIC IN TURKEY ERDENER OZCETIN, CEREN DUMAN Presenter: CEREN DUMAN
	0280 : HYBRID FEATURE SELECTION FOR MEDICAL DATASETS USING WHALE OPTIMIZATION ALGORITHM AND PARTICLE SWARM OPTIMIZATION MUSTAFA SERTER UZER, ONUR INAN Presenter: ONUR INAN
	0220 : PREDICTION OF ENERGY GENERATED FROM SOLAR PANELS USING MACHINE LEARNING HAVVA AYYILDIZ KOC, YAVUZ UNAL Presenter: HAVVA AYYILDIZ KOC
	0343 : PERFORMANCE ANALYSIS OF IMAGE PROCESSING TECHNIQUES FOR MEMORY USAGE AND CPU EXECUTION TIME FATMA NUR KILICKAYA, SELCUK OKDEM Presenter: FATMA NUR KILICKAYA
	0316 : BEZIER AND B SPLINE CURVE DEFINITION OF OUTER BOUNDARY OF AN OBJECT TEMPLATE USING SEQUENTIAL EDGE POINTS NIHAT ARSLAN, KALI GURKAHRAMAN Presenter: KALI GURKAHRAMAN
	0178 : QUANTUM TELEPORTATION BY USING DENSE CODING AND TELEPORTATION ALGORITHMS IN QISKIT AND IBM CIRCUIT COMPOSOR YASEMIN POYRAZ KOCAK Presenter: YASEMIN POYRAZ KOCAK
	0247 : EDGE DETECTION OF AERIAL IMAGES USING ARTIFICIAL BEE COLONY ALGORITHM ELIF DENIZ YELMENOGLU, NURDAN AKHAN BAYKAN Presenter: ELIF DENIZ YELMENOGLU

Session 5 : 19.11.2021 - Friday (10:45 - 12:15) (GMT +3)

Session chair : Ulku Sultan Keskin

Virtual Hall II	0243 : INVESTIGATION OF THE USE OF MARBLE POWDER IN PRODUCTION OF HIGH STRENGTH CONCRETE TUBA DEMIR, KURSAT ESAT ALYAMAC Presenter: TUBA DEMIR
	0209 : INVESTIGATION OF THE EFFECT OF CHEMICAL ADDITIVES NN MECHANICAL PROPERTIES OF CONCRETE TUBA DEMIR, BAHAR DEMIREL Presenter: TUBA DEMIR
	0281 : A NUMERICAL STUDY ON PERFORATED COLD FORMED STEEL SQUARE HOLLOW SECTION MEMBERS UNDER AXIAL AND ECCENTRIC COMPRESSION LOADING SULEYMAN ISTEMIHAN COSGUN, MEHMET EMIN AKCAN Presenter: MEHMET EMIN AKCAN
	0139 : DROUGHT ASSESSMENT BY USING GEOGRAPHIC INFORMATION SYSTEMS AND REMOTE SENSING EMRE TOPCU, SERIFE PINAR GUVEL Presenter: EMRE TOPCU
	0200 : THE COMPARISON OF THE APPROACHES FOR DETERMINING THE ACTUAL EMBEDMENT DEPTH OF CANTILEVER SHEET PILE WALLS RECEP AKAN Presenter: RECEP AKAN
	0362 : EFFECT OF ADHESIVE FAILURE GEOMETRY ON STRESS BEHAVIOR FOR SINGLE LAP JOINTS AHMET SAYLIK, METE ONUR KAMAN Presenter: AHMET SAYLIK
	0379 : 1D ANALYSIS OF THERMAL PERFORMANCE OF A DOUBLE PIPE HEAT EXCHANGER HALIL BAYRAM Presenter: HALIL BAYRAM
	0278 : DESIGN OF A TWO WAY AXIAL FAN FOR SINGLE ROOM VENTILATION UNITS SERCAN ACARER, ZEYNEP ELVAN YILDIRIM PEKGUZELSU, MEHMET FATIH FITIL Presenter: SERCAN ACARER

Session 6 : 19.11.2021 - Friday (13:30 - 15:00) (GMT +3)

Session chair : Sinem Uzun

Virtual Hall I	0157 : CORROSION RESISTANCE OF ANODIZED ALUMINUM ALLOYS OZLEM BARAN ACIMERT, LYNN HOPKINS, AYSEUR KELES DAYAUC, EMIR AVCIOGLU Presenter: EMIR AVCIOGLU
	0358 : A TEST SCHEME FOR BRAKING OF TRACTOR TRAILER COMBINATION FOR UPDATED BRAKING NEEDS HAKAN AYKAN, SERAFETTIN EKINCI, KAZIM CARMAN Presenter: SERAFETTIN EKINCI
	0168 : APPLICABILITY OF REDUCED ORDER MODELING APPROACH ON RAPID INVESTIGATION OF AIRFOIL VIBRATION CHARACTERISTICS CEYHUN TOLA Presenter: CEYHUN TOLA
	0213 : OPTIMIZATION OF CUTTING PARAMETERS AFFECTING CUTTING FORCE AND SURFACE ROUGHNESS IN MACHINING OF AISI P20 DIE STEEL MAHIR AKGUN, BARIS OZLU Presenter: MAHIR AKGUN
	0300 : INVESTIGATION OF USABILITY OF CANNY ALGORITHM IN THE FIELD OF MACHINABILITY PINAR KARAKUS, DEMET ZALAOGLU Presenter: PINAR KARAKUS
	0206 : EVALUATION OF FREE VIBRATION ANALYSIS OF EPS FILLED SYNTACTIC FOAM CORE KUBRA CAGLA CIBIKCI, MEHMET FATIH SANSVEREN, MUSTAFA YAMAN Presenter: KUBRA CAGLA CIBIKCI
	0152 : NUCLEAR AND SOLAR ENERGY COMPARISON FOR TURKEY S ENERGY NEEDS SINEM UZUN Presenter: SINEM UZUN
	0263 : INVESTIGATION OF MECHANICAL PROPERTIES OF SWAGED WIRE ROPES VIA CONSTRUCTION CHANGES ERDINC EFENDI, ZEHRA ALTINISIK Presenter: ERDINC EFENDI

Session 6 : 19.11.2021 - Friday (13:30 - 15:00) (GMT +3)

Session chair : Esmâ Eryılmaz

Virtual Hall II	0163 : MEASUREMENT ACCURACY OF THIN FILM PRESSURE SENSORS AT DIFFERENT SURFACES BETUL REMZIYE YAPALIKAN, YUNUS CANDIRI, IBRAHIM ISIK, BUSRA CANDIRI, BURCU TALU Presenter: BETUL REMZIYE YAPALIKAN
	0162 : MEASUREMENT ACCURACY OF THIN FILM PRESSURE SENSORS AT DIFFERENT SIZES BETUL REMZIYE YAPALIKAN, YUNUS CANDIRI, IBRAHIM ISIK, BUSRA CANDIRI, BURCU TALU Presenter: BETUL REMZIYE YAPALIKAN
	0210 : INFLUENCE OF HYPERICUM PERFORATUM L OIL ON A PROTEIN BASED BIOMATERIAL MEHLIKA KARAMANLIOGLU Presenter: MEHLIKA KARAMANLIOGLU
	0259 : DEEP LEARNING MODEL BASED CLASSIFICATION OF BREAST CANCER USING HISTOPATHOLOGICAL IMAGES CEREN KAYA, MERTCAN KARAKOC Presenter: CEREN KAYA
	0307 : EEG BASED AUTOMATIC SLEEP STAGING VIA SIMPLE 2D CONVOLUTIONAL NEURAL NETWORK IBRAHIM KAYA Presenter: IBRAHIM KAYA
	0349 : CERVICAL CANCER DIAGNOSIS BASED ON CONVOLUTIONAL NEURAL NETWORKS KENNI KONATE, ADEM GOLCUK Presenter: KENNI KONATE
	0186 : DESIGNING A HUMERUS PLATE WITH RELIABILITY BASED TOPPOLOGY OPTIMIZATION FAHRI MURAT, IRFAN KAYMAZ, ISMAIL HAKKI KORKMAZ Presenter: FAHRI MURAT

Session 7 : 19.11.2021 - Friday (15:15 - 16:45) (GMT +3)

Session chair : Tuba Parlar

Virtual Hall I	0272 : PERFORMANCE EVALUATION OF SWISH BASED ACTIVATION FUNCTIONS FOR MULTI LAYER NETWORKS YILMAZ KOCAK, GULESEN USTUNDAG SIRAY Presenter: YILMAZ KOCAK
	0290 : FEATURE SELECTION FOR DETECTION OF CYBER ATTACKS USING MACHINE LEARNING METHODS TUBA PARLAR, GOKALP CINARER Presenter: TUBA PARLAR
	0219 : CLASSIFICATION OF ELECTROLUMINESCENCE IMAGES OF SOLAR CELLS USING MOBILENET YUCEL KOC, YAVUZ UNAL Presenter: YUCEL KOC
	0355 : TEXT INDEPENDENT SPEAKER RECOGNITION BASED ON MFCC AND MACHINE LEARNING SERHAT HIZLISOY, RECEP SINAN ARSLAN Presenter: SERHAT HIZLISOY
	0365 : A HYBRID FACE RECOGNITION APPROACH USING OPEN SOURCE MODELS HASAN AKYOL, MUSTAFA ERSAHIN, BUKET ERSAHIN Presenter: HASAN AKYOL
	0336 : THE DETERMINATION OF CHARACTERISTIC AND PHOTOCATALYTIC PROPERTIES OF HOLMIUM NIOBIUM CO DOPED TITANIUM DIOXIDE TIO2 YASEMIN KARADUMAN, TEOMAN OZTURK, ALIYE DEMIR, BERNA GULVEREN Presenter: YASEMIN KARADUMAN
	0363 : INVESTIGATION OF TIG MELTING INFLUENCE ON A MECHANICALLY ALLOYED HIGH ENTROPY ALLOY MERTCAN KAFALI, KADIR MERT DOLEKER, SEFA EMRE SUNBUL, KURSAT ICIN Presenter: MERTCAN KAFALI
0320 : DEVELOPMENT OF VOLATILE BIOSENSORS BASED ON NANO LIPOSOMES AND NANO DISCS NIHAN AYDEMIR, ROSHAN KHADKA, COLM CARRAHER, CYRIL HAMIAUX, DAMON COLBERT, ANDREW KRALICEK, JADRANKA TRAVAS SEJDIC Presenter: NIHAN AYDEMIR	

Session 7 : 19.11.2021 - Friday (15:15 - 16:45) (GMT +3)

Session chair : Adem Golcuk

Virtual Hall II	0177 : THE PHYSIOLOGICAL EFFECTS OF NOISE IN UNDERGROUND MINING ON WORKER HEALTH MUSTAFA OGUZ NALBANT, AYLAK TEKIN, MUSTAFA ORHAN, FIRAT TEKIN, FATIHA SUVAYDAN, KEMAL BERKI Presenter: MUSTAFA OGUZ NALBANT
	0225 : NANOFIBER BASED TISSUE SCAFFOLDS SERIFE SAFAK Presenter: SERIFE SAFAK
	0226 : AIR PERMEABILITY PROPERTIES OF COMMERCIAL DISPOSABLE MASKS SERIFE SAFAK Presenter: SERIFE SAFAK
	0273 : DESIGNING A SYSTEM THAT RECORDS THE SLEEPING POSITION DATA OF SLEEP APNEA PATIENTS ADEM GOLCUK, MEHMET BALCI, SAKIR TASDEMIR, SERKAN KUCCUKTURK, HUSAMETTIN VATANSEV, HULYA VATANSEV Presenter: ADEM GOLCUK
	0364 : CLASSIFICATION OF NONALCOHOLIC FATTY LIVER DISEASE FROM ULTRASONOGRAPHY IMAGES MUCAHID MUSTAFA SARITAS, ADEM GOLCUK Presenter: MUCAHID MUSTAFA SARITAS
	0371 : EFFECTS OF DIFFERENT PULSED ELECTRIC FIELD PEF PULSES ON CONTROLLED RELEASE BEHAVIOUR OF ALGINATE HYDROGELS SEVIL CIKRIKCI ERUNSAL, SENCER BUZRUL Presenter: SEVIL CIKRIKCI ERUNSAL
	0187 : COMPARISON OF BULK AND ALTERNATIVE POROUS FIXATION PLATE USED IN FRACTURE FIXATION IN TERMS OF FAILURE PROBABILITY OSMAN YAVUZ, IRFAN KAYMAZ, ISMAIL HAKKI KORKMAZ, FAHRI MURAT Presenter: FAHRI MURAT

Session 8 : 19.11.2021 - Friday (17:00 - 19:00) (GMT +3)

Session chair : Hakan Ucar

Virtual Hall I	0153 : UTILIZATION OF A PHONONIC CRYSTAL LINEAR WAVEGUIDE IN SIZE BASED SEPARATION OF SOLID PARTICLES IN AIR NURETTIN KOROZLU, AHMET BICER, OLGUN ADEM KAYA, AHMET CICEK Presenter: NURETTIN KOROZLU
	0180 : DESIGN AND ANALYSES OF A MODULAR EXPERIMENTAL RIG FOR THE EVALUATION OF TURBINE AND COMPRESSOR BLADE FIXTURING CONDITIONS OZGUR POYRAZ, NURULLAH YANDI Presenter: OZGUR POYRAZ
	0337 : NUMERICAL INVESTIGATIONS AND BENCHMARKING OF THE PHYSICAL AND ELASTIC PROPERTIES OF 316L CUBIC LATTICE STRUCTURES FABRICATED BY SELECTIVE LASER MELTING OZGUR POYRAZ, BAYRAM EMIRHAN BILICI, SUKRU CAN GEDIK Presenter: OZGUR POYRAZ
	0127 : ELECTROMECHANICAL MODELING OF ENERGY HARVESTING FOR FRP COMPOSITE STRUCTURES COUPLED WITH PIEZOELECTRIC TRANSDUCERS HAKAN UCAR Presenter: HAKAN UCAR
	0165 : DESIGN ANALYSIS AND PROTOTYPING OF A NOVEL THRUSTER FOR ROVS GOKHAN ATALI Presenter: GOKHAN ATALI
	0376 : ESTIMATION OF GLOBAL SOLAR RADIATION IN KONYA BEYSEHIR SELCUK DARICI, MEHMET KUCUKTEKIN Presenter: MEHMET KUCUKTEKIN
	0185 : IMPROVING LEVEL MEASUREMENT TECHNIQUES AND MEASUREMENT ACCURACY IN VEHICLE FUEL TANKS ONER ATALAY, BUSE BELLI, OGUZ SEZGIN Presenter: ONER ATALAY
0293 : THE USE OF AN AGRICULTURAL WASTE IN THE SANITARYWARE CERAMICS RICE HUSK ASH RHA AKIN ODABASI, HULYA KAFTLEN ODABASI, ERDOGAN KARIP, MEHTAP MURATOGLU Presenter: ERDOGAN KARIP	

Session 8 : 19.11.2021 - Friday (17:00 - 19:00) (GMT +3)

Session chair : Muhammed Sayrac

Virtual Hall II	0169 : ARTIFICIAL INTELLIGENCE BASED ESTIMATION OF BODY MUSCLE PERCENTAGE SAMET OGUZ AKSEKI, MUHAMMED KURSAD UCAR, ZELIHA UCAR, MEHMET RECEP BOZKURT Presenter: SAMET OGUZ AKSEKI
	0240 : DEVELOPMENT OF EDUCATIONAL ROBOT AND USER INTERFACES FOR ROBOTIC APPLICATIONS ALIM KEREM ERDOGMUS, BERKAY YARIS, FATIH VATANSEVER, YAGIZ UMUR, MUHAMMED OGUZ TAS, HASAN SERHAN YAVUZ Presenter: ALIM KEREM ERDOGMUS
	0158 : APPLYING PART JRIP AND ONER ALGORITHMS ON DIABETES BREAST CANCER AND IRIS DATASETS FOR COMPARATIVE ANALYSIS CAGRI DUKUNLU, MEHMET UGRAS CUMA Presenter: CAGRI DUKUNLU
	0251 : NUMERICAL SIMULATION OF DIFFRACTION PATTERNS WITH DIFFERENT ILLUMINATION LASER WAVELENGTH MUHAMMED SAYRAC Presenter: MUHAMMED SAYRAC
	0224 : DECISION TREES RULE BASED ELECTROENCEPHALOGRAPHY SIGNALING WITH FOUR AXIS CONTROL AHMET BURAK ZOR, NAZLI SARIKAYA, HAMZA BOZKURT, EMIN CAN BAYKAL, MUHAMMED KURSAD UCAR Presenter: NAZLI SARIKAYA
	0367 : IMPLEMENTATION OF 802 11S MESH NETWORK ATTACKS ON AN 802 11AC BASED WIRELESS TESTBED ENVIRONMENT OZAN YUKSEL Presenter: OZAN YUKSEL
	0159 : ORGAN TRANSPORTATION THERMOELECTRIC COOLING SYSTEM DESIGN AND APPLICATION YAVUZ SELIM TASPINAR, HAKAN ISIK Presenter: YAVUZ SELIM TASPINAR
0245 : A NOVEL HISTOLOGICAL DATASET AND APPLICATION TO DEEP LEARNING KUBRA UYAR, MERVE SOLMAZ, SAKIR TASDEMIR, NEJAT UNLUKAL Presenter: KUBRA UYAR	

Session 9 : 20.11.2021 - Saturday (09:00 - 10:30) (GMT +3)

Session chair : Guzin Ozmen

Virtual Hall I	0236 : IMPACT OF MISSING DATA IMPUTATION ON CLASSIFICATION ALGORITHMS IN MEDICAL PREDICTIVE MODELS ZELIHA ERGUL AYDIN, ZEHRA KAMISLI OZTURK Presenter: ZELIHA ERGUL AYDIN
	0338 : FORECASTING TRAFFIC DENSITY BASED ON A HYBRID ARTIFICIAL NEURAL NETWORK MODEL ZEYNEP IDIL ERZURUM CICEK, ZEHRA KAMISLI OZTURK Presenter: ZEYNEP IDIL ERZURUM CICEK
	0254 : COMPARISON OF CLASSIFICATION ALGORITHMS FOR COVID 19 DETECTION USING COUGH ACOUSTIC SIGNALS YUNUS EMRE ERDOGAN, ALI NARIN Presenter: YUNUS EMRE ERDOGAN
	0342 : MELANOMA DETECTION WITH EFFICIENTNET ZAFER TOLAN, ERKAN DUMAN Presenter: ZAFER TOLAN
	0344 : COVID 19 DETECTION WITH DEEP LEARNING METHODS FROM X RAY IMAGES FATMA BETUL KINACI INCE, ILKER ALI OZKAN Presenter: FATMA BETUL KINACI INCE
	0372 : SOUND ANALYSIS TO RECOGNIZE CATTLE VOCALIZATION IN THE BARN GUZIN OZMEN, ILKER ALI OZKAN, SEREF INAL, SAKIR TASDEMIR, MUSTAFA CAM, EMRE ARSLAN Presenter: GUZIN OZMEN
	0322 : INTERNATIONAL CYBERWARS HAKAN KOR, MUHAMMED FATIH AYKURT Presenter: HAKAN KOR
0257 : INVESTIGATION OF THE EFFECT OF DIESEL JP8 FUEL BLENDS ON THE EMISSIONS OF A COMMON RAIL ENGINE MEHMET SELMAN GOKMEN, HASAN AYDOGAN Presenter: MEHMET SELMAN GOKMEN	

Session 9 : 20.11.2021 - Saturday (09:00 - 10:30) (GMT +3)

Session chair : Suleyman Neseli

Virtual Hall II	0141 : CARDIOVASCULAR ASSESSMENT AT THE EMBRYONIC DEVELOPMENTAL STAGE USING COMPUTATIONAL FLUID DYNAMICS HUSEYIN ENES SALMAN Presenter: HUSEYIN ENES SALMAN
	0175 : OPTIMIZATION OF MACHINABILITY PARAMETERS OF S960QL STRUCTURAL STEEL BY FINITE ELEMENTS AND TAGUCHI METHOD RUSTEM BINALI, SULEYMAN YALDIZ, SULEYMAN NESELI Presenter: RUSTEM BINALI
	0227 : INVESTIGATION ON REDUCING FUEL CONSUMPTION OF A TRUCK BY ADDING AERODYNAMIC STRUCTURES NAZMI VURGUN, TOYGUN DAGDEVIR Presenter: NAZMI VURGUN
	0144 : EFFECT OF NANOFUIDS ON HEAT TRANSFER IN A ZIGZAG CHANNEL WITH CENTRAL WINGS SELMA AKCAY Presenter: SELMA AKCAY
	0321 : CURRENT SITUATIONS OF WIND ENERGY USAGE IN THE WORLD AND TURKEY FARUK KOSE, SULEYMAN KOSE Presenter: SULEYMAN KOSE
	0140 : A NON SYMMETRIC RECEDING CONTACT PROBLEM OF FUNCTIONALLY GRADED LAYER RESTING ON QUARTER PLANES GOKHAN ADIYAMAN, ERDAL ONER Presenter: GOKHAN ADIYAMAN
	0329 : ELECTRIC VEHICLE MECHANICAL DESIGN MANUFACTURING AND ANALYSIS APPLICATION A ENGIN OZCELIK, IREM SENA KOK, OMER CEM GOKDOGAN, CUNEYD YAVASOGLU, JANSET ALTAN, MUHAMMET KAHYA OGLU, M OZGUN KURT, AYBERK HALICI, HAKAN TERZIOGLU Presenter: IREM SENA KOK
0381 : ABSORPTION COEFFICIENT AND REFRACTIVE INDEX CHANGE OF EXPONENTIALLY CONFINED IN0 52GA0 48AS QUANTUM WELL BEHCET OZGUR ALAYDIN Presenter: BEHCET OZGUR ALAYDIN	

Session 10 : 20.11.2021 - Saturday (10:45 - 13:00) (GMT +3)

Session chair : Nurettin Dogan

**Virtual
Hall I**

0104 : CYBERSECURITY CHALLENGES FOR ORGANIZATIONS
ARTAN LUMA, BLERTON ABAZI, AZIR ALIU, HALIL SNOPCE, YLBER JANUZAJ
Presenter: ARTAN LUMA

0101 : THE IMPLEMENTATION OF THE NEW ENCRYPTION MATHEMATICAL MODEL FOR CRYPTOSYSTEMS
ARTAN LUMA, BLERTON ABAZI, AZIR ALIU, HALIL SNOPCE, YLBER JANUZAJ
Presenter: ARTAN LUMA

0332 : A DEEP LEARNING BASED APPROACH FOR EFFECTIVE DIAGNOSIS OF CORONAVIRUS DISEASE USING CLINICAL DATA
AHMET KARA
Presenter: AHMET KARA

0232 : SECURITY ISSUES IN THE RESTFUL API SERVICE USING OAUTH 2 0 FOR AUTHENTICATION AND AUTHORIZATION
ARBER BESHIRI, ANASTAS MISHEV, IVAN CHORBEV
Presenter: ARBER BESHIRI

0325 : DATA HIDING TO THE IMAGE WITH BIT PLANE SLICING AND DOUBLE XOR
BILGI OZDEMIR, NURETTIN DOGAN
Presenter: BILGI OZDEMIR

0375 : A DEEP LEARNING TOPOLOGY TO DIAGNOSE OF ASSISTANCE REQUEST BASED LIP READING
UGURCAN SORUC, HANDE ERKAYMAZ, OKAN ERKAYMAZ
Presenter: OKAN ERKAYMAZ

0237 : UNDERWATER FISH RECOGNITION USING DEEP LEARNING
GOKHAN ALTAN
Presenter: GOKHAN ALTAN

0238 : CLAHE BASED ENHANCEMENT APPROACH TO TRANSFER LEARNING FOR COVID 19 DETECTION
GOKHAN ALTAN, SULEYMAN SERHAN NARLI
Presenter: GOKHAN ALTAN

Session 10 : 20.11.2021 - Saturday (10:45 - 13:00) (GMT +3)

Session chair : Mustafa Altin

**Virtual
Hall II**

0182 : PIEZO RESISTIVITY OF CEMENT BASED MORTARS DOPED WITH CARBON BLACK AND CARBON FIBERS FOR SELF SENSING BEHAVIOR
OGUZHAN OZTURK, ALPTUG UNAL, MUSTAFA KOCER
Presenter: OGUZHAN OZTURK

0134 : EVALUATION EFFECT OF HIGH VOLUME FLY ASH MORTAR CONTENT TO COMPRESSIVE STRENGTH BY EFFICIENCY FACTOR
OMEED ALI, C D ATIS, U S KESKIN, U DURAK, S ILKENTAPAR, O KARAHAN
Presenter: OMEED ALI

0275 : COMPUTER AIDED DETERMINATION AND COMPARISON OF EARTHQUAKE DAMAGE SCORES OF RC BUILDINGS IN TURKEY USING RAPID ASSESSMENT METHODS
MUHAMMET OZDEMIR, MURAT MUVAFIK
Presenter: MUHAMMET OZDEMIR

0331 : COASTLINE CHANGE ANALYSIS IN SEYHAN DAM LAKE WITH GEOGRAPHIC INFORMATION SYSTEMS AND REMOTE SENSING METHODS
TANSU ALKAN, SULEYMAN SAVAS DURDURAN
Presenter: TANSU ALKAN

0330 : COASTLINE CHANGE ANALYSIS IN IZNIK LAKE WITH GEOGRAPHIC INFORMATION SYSTEMS AND REMOTE SENSING METHODS
TANSU ALKAN, SULEYMAN SAVAS DURDURAN
Presenter: TANSU ALKAN

0135 : INVESTIGATION OF THE USAGE OF STONE POWDER WASTE COOKED WITH BORON MINERALS AS A SUBSTITUTION AND ADDITIVE MATERIAL IN METAKAOLIN BASED GEOPOLYMER MORTARS
MEHMET AKTURK, ILKER BEKIR TOPCU, ULKU SULTAN KESKIN
Presenter: MEHMET AKTURK

0354 : A BRIEF STUDY ON THE COMPRESSIVE STRENGTH AND FLEXURAL STRENGTH OF FLY ASH AND GROUND GRANULATED BLAST FURNACE SLAG GEOPOLYMER MORTAR
HASAN A H ALTAWIL, MURAT OLGUN
Presenter: HASAN A H ALTAWIL

0261 : EXPERIMENTAL INVESTIGATION ON TORQUE ROTATION AND TENSILE STRENGTH BEHAVIOR OF MULTISTRAND ROTATION RESISTANT STEEL WIRE ROPES
MURAT POLAT, ZEYNEP SEYMA SERDAROGLU
Presenter: MURAT POLAT

0369 : THE MOBILE APPLICATION OF SELCUK UNIVERSITY WEATHER TRACKING SYSTEM
FATIH BASCIFTCI, ERDEM AGBAHCA, KUBRA UYAR, ZULEYHA YILMAZ ACAR, BURAK TEZCAN, MUCAHIT SAMI RENKYORGANCI, BEKIR CAN YUVA
Presenter: BURAK TEZCAN

0368 : SELCUK UNIVERSITY WEATHER TRACKING SYSTEM AND SELCUK METEOROLOGY WEBSITE
FATIH BASCIFTCI, ERDEM AGBAHCA, KUBRA UYAR, ZULEYHA YILMAZ ACAR, BURAK TEZCAN
Presenter: BURAK TEZCAN

Session 11 : 20.11.2021 - Saturday (13:30 - 15:00) (GMT +3)

Session chair : Kenan Yigit

Virtual Hall I	0201 : DESIGN OF A DIGITAL LOCK IN AMPLIFIER USING XILINX SYSTEM GENERATOR MEHMET DEMIRTAS, MEHMET AKIF ERISMIS, SALIH GUNES Presenter: MEHMET DEMIRTAS
	0196 : SIMULATION AND THEORETICAL ANALYSIS OF A DIGITAL CAPACITANCE MEASUREMENT CIRCUIT MEHMET DEMIRTAS, MEHMET AKIF ERISMIS, SALIH GUNES Presenter: MEHMET DEMIRTAS
	0327 : DISABLED PERSON S PARKING AREA RECOGNITION SYSTEM WITH IMAGE PROCESSING ALGORITM MUHAMMET MUSTAFA YURDAKUL, MUHAMMED KEREM TURKES, HAKAN AKCA Presenter: MUHAMMET MUSTAFA YURDAKUL
	0319 : BABY HEALTH MONITORING AND PRE DIAGNOSTIC SUPPORT SYSTEM MUHAMMET MUSTAFA YURDAKUL, MUHAMMED KEREM TURKES, HAKAN AKCA Presenter: MUHAMMET MUSTAFA YURDAKUL
	0171 : ARTIFICIAL INTELLIGENCE BASED CONCRETE COMPRESSIVE STRENGTH DETECTION TAHIR KARACETE, MUHAMMED KURSAD UCAR Presenter: TAHIR KARACETE
	0250 : A STUDY FOR THE IMPROVEMENT OF OPERATING CAPACITY IN MARINE GENERATORS KENAN YIGIT Presenter: KENAN YIGIT
	0334 : DESIGN AND PERFORMANCE ANALYSIS OF A LORAWAN PROTOCOL BASED NETWORK FOR DATA COMMUNICATION WITH SMART WATER METER DEVICES BURSA CASE STUDY OMER YILDIZ, SAIT ESER KARLIK Presenter: OMER YILDIZ
0147 : ARDUINO BASED SYSTEM DESIGN FOR MEASURING HEART RATE AND BODY TEMPERATURE ADNAN M A SHAKARJI, ADEM GOLCUK Presenter: ADNAN M A SHAKARJI	

Session 11 : 20.11.2021 - Saturday (13:30 - 15:00) (GMT +3)

Session chair : Mehmet Turan Demirci

Virtual Hall II	0172 : SYNTHESIS OF TIO2 NANOTUBES IN NEUTRAL SOLUTION FOR HYDROGEN SENSORS ESME ISIK, NECMETTIN KILINC, LUTFU BILAL TASYUREK Presenter: ESME ISIK
	0231 : SYNTHESIS AND CHARACTERIZATION OF FEW LAYERED GRAPHENE REINFORCED AL 10SI 2CU MATRIX COMPOSITES BERK SENYURT, NAZLI AKCAMLI, DUYGU AGAOGULLARI Presenter: BERK SENYURT
	0222 : THE QUALITATIVE IDENTIFICATION AND COMPARISON OF THE INITIAL MICROSTRUCTURE CHANGE AFTER DOUBLE AUSTENITIZING ON DIN 41CR4 QUALITY STEEL CANSU CELTIK, YAKUP YUREKTURK Presenter: CANSU CELTIK
	0249 : HIGH PRESSURE RESISTANT GLASS FIBER REINFORCED POLYMER MATRIX COMPOSITE PIPE DESIGN ALI ARI, ALI BAYRAM Presenter: ALI ARI
	0212 : FABRICATION OF PVDF MEMBRANES MODIFIED WITH DOPAMINE ZINC OXIDE AND INVESTIGATION OF LEAD REMOVAL FROM AQUEOUS SOLUTIONS IREM SEVIM UCEL, ELIF DEMIREL Presenter: IREM SEVIM UCEL
	0285 : SYNTHESIS OF POLYMER COATED MAGNETIC NANO PARTICULAR BY USING ACTIVATED CARBON AND KINETICS STUDIES ALI IMRAN VAIZOGULLAR, HUSEYN OSMAN, MEHMET UGURLU, ABDUL CHAUDRY, ILTERIS YILMAZ Presenter: ALI IMRAN VAIZOGULLAR
	0359 : THE INFLUENCE OF MN SUBSTITUTION AND H2S ANNEALING ON CU2ZNSNS4 THIN FILMS CANAN AYTUG AVA, YUSUF SELIM OCAK, OMER CELIK Presenter: CANAN AYTUG AVA
0282 : FACILE PREPARATION AND EFFICIENT DEGRADATION PERFORMANCE OF ZNO CUO COMPOSITE UNDER VISIBLE LIGHT IRRADIATION ALI IMRAN VAIZOGULLAR, MEHMET UGURLU, ILTERIS YILMAZ Presenter: ALI IMRAN VAIZOGULLAR	

Session 12 : 20.11.2021 - Saturday (15:15 - 16:45) (GMT +3)

Session chair : Kadir Kiran

Virtual Hall I	0176 : MODELLING AND VIBRATION ANALYSIS OF A SINGLE LINK FLEXIBLE MANIPULATOR IN SIMMECHANICS MEHMET UYAR Presenter: MEHMET UYAR
	0346 : ASYMPTOTIC SAMPLING REGRESSION WITH MACHINE LEARNING AND SURROGATE MODELING TECHNIQUES GAMZE BAYRAK Presenter: GAMZE BAYRAK
	0350 : MIXING METHODS OF CARBON NANOTUBES FATMA NAZLI OZSOLAK Presenter: FATMA NAZLI OZSOLAK
	0269 : THE INFLUENCE OF SINGLE SIDED MOUNTING MATERIAL ON LONGITUDINAL WAVE PROPAGATION IN Ti6Al4V ROD MEHMET NURULLAH BALCI Presenter: MEHMET NURULLAH BALCI
	0373 : INVESTIGATION OF TORSIONAL PERFORMANCE OF CARBON FIBER COMPOSITE DRIVESHAFT WITH DIFFERENT STACKING SEQUENCE AND FIBER ORIENTATION MUSTAFA SAID OKUTAN, KENAN GENEL Presenter: MUSTAFA SAID OKUTAN
	0183 : EFFECT OF LINE SEARCH CONDITIONS ON CONJUGATE GRADIENT METHOD PERFORMANCE IN NONLINEAR LEAST SQUARES FITTING OF 2D GEOMETRIES KADIR KIRAN Presenter: KADIR KIRAN
	0305 : CORRELATION BETWEEN MECHANICAL PROPERTIES AND ELECTRICAL CONDUCTIVITY VALUES OF NORDIC GOLD ALLOY WITH DIFFERENT ANNEALING TEMPERATURES RASIM GOKER ISIK, CAGLAR YUKSEL, ALPTEKIN KISASOZ, ZEKERIYA COMERT, MUSTAFA YILDIZ, SERDAR OSMAN YILMAZ Presenter: RASIM GOKER ISIK
0167 : EMISSION REDUCTIONS BY AN AUXILIARY AIR CONDITIONER IN LIQUID HYDROGEN POWERED FUEL CELL VEHICLES ADEM UGURLU Presenter: ADEM UGURLU	

Session 12 : 20.11.2021 - Saturday (15:15 - 16:45) (GMT +3)

Session chair : Esra Bilgin Simsek

Virtual Hall II	0129 : FT IR ANALYSIS OF NANOCOMPOSITES EXPOSED TO DIFFERENT ENVIRONMENTS YASEMIN KORKMAZ, KURSAT GULTEKIN Presenter: YASEMIN KORKMAZ
	0130 : FUNCTIONALIZED CNTS DOPED NANOCOMPOSITES STRUCTURAL THERMAL AND MECHANICAL PROPERTIES YASEMIN KORKMAZ, KURSAT GULTEKIN Presenter: YASEMIN KORKMAZ
	0154 : OPTIMIZATION OF POLYMER BASED MATERIALS AS ADSORBENTS FOR THE TREATMENT OF WASTEWATERS FROM CIGARETTE MANUFACTURING PROCESS ESRA BILGIN SIMSEK, OZLEM TUNA Presenter: ESRA BILGIN SIMSEK
	0233 : AA7XXX PRODUCED BY MECHANICAL ALLOYING METHOD MECHANICAL AND MICROSTRUCTURAL PROPERTIES OF POWDERS KEMAL DOGAN, MUSTAFA ACARER, EMIN SALUR, YASIN RAMAZAN EKER Presenter: KEMAL DOGAN
	0291 : CONDUCTIVITY BEHAVIOR OF SB2SE3 THIN FILMS UNDER DIFFERENT STRESS FACTORS AYTEN CANTAS, S HAZAL GUNDOGAN, ASUMAN KOCU, F NUR SARIKAYA, GULNUR AYGUN, LUTFI OZYUZER, C GOKHAN UNLU, GOKHAN YILMAZ Presenter: GOKHAN YILMAZ
	0287 : FABRICATION AND CHARACTERIZATION OF MULLITE REINFORCED Y2O3 ADDED ZRO2 CERAMICS MEHMET AKIF HAFIZOGLU, TAHSIN BOYRAZ, AHMET AKKUS Presenter: MEHMET AKIF HAFIZOGLU
	0366 : DIGITAL TWIN AND APPLICATION OF BTX FRACTIONATION SECTION OZBEN KUTLU Presenter: OZBEN KUTLU
0198 : SPECIFICS OF DEVELOPING AND MAKING OF AERODYNAMICALLY BALANCED WIND TURBINE WITH INCLINED AXIS ARCHIL GEGUCHADZE, BADRI ZIVZIVADZE, ZAZA PAPIDZE, ALU GAMAKHARIA, ANZORI KUPARADZE, NATA SULAKVELIDZE Presenter: ANZORI KUPARADZE	

Session 13 : 20.11.2021 - Saturday (17:00 - 19:00) (GMT +3)

Session chair : Ilker Ali Ozkan

**Virtual
Hall I**

0304 : PROTOTYPE AND MODELLING OF CARRYING USEFUL LOAD WITH MULTICOPTERS
OMER FARUK SARI, MUCAHID MUSTAFA SARITAS, AHMET ERHARMAN, ALI YASAR
Presenter: OMER FARUK SARI

0203 : OPTIMAL REACTIVE POWER DISPATCH USING OBPSO ALGORITHM
MEHMET CECEN, CENK YAVUZ
Presenter: MEHMET CECEN

0326 : EVALUATION OF ARTIFICIAL HEART PUMPS FROM AN ENGINEERING PERSPECTIVE
NAZLIHAN KILICASLAN
Presenter: NAZLIHAN KILICASLAN

0348 : RADAR RANGE PROFILE PROCESSING BY USING ONE DIMENSIONAL TIME DOMAIN GREEN S FUNCTION
RIDVAN FIRAT CINAR, FATIH KOCADAG, ASKIN DEMIRKOL
Presenter: RIDVAN FIRAT CINAR

0378 : RENEWABLE ENERGY GUARANTEES OF ORIGIN SYSTEM IN TURKEY A PRELIMINARY ASSESSMENT
AZRA SENTURK, MUSTAFA OZCAN
Presenter: AZRA SENTURK

0380 : DESIGN OF A MINIATURIZED FREQUENCY SELECTIVE SURFACE BASED RASORBER
MUHAMMED MALKOC, SIBEL UNALDI
Presenter: MUHAMMED MALKOC

0145 : LIFE EXPECTANCY PREDICTION AFTER HEART ATTACK BY USING ENSEMBLE LEARNING METHODS
GIZEMNUR EROL, BETUL UZBAS
Presenter: GIZEMNUR EROL

0103 : FPGA USAGE AND APPLICATIONS IN THE INDUSTRIAL AREA
ABDULKADIR SADAY, ILKER ALI OZKAN
Presenter: ABDULKADIR SADAY

Session 13 : 20.11.2021 - Saturday (17:00 - 19:00) (GMT +3)

Session chair : Cahit Perkgoz

**Virtual
Hall II**

0208 : PRODUCTION AND CHARACTERIZATION OF HYBRID COMPOSITES BASED ON PLA WITH NANOCRYSTALLINE CELLULOSE AND SCOTCH PINE FILLERS
ELIF TOK, IBRAHIM SEN, ENES DEMIR, SEYMA DUMAN
Presenter: ELIF TOK

0266 : CHARACTERIZATION METHODS OF NANO PARTICLES ADDED TO INDUSTRIAL LUBRICANTS
ONUR CAN SIRVAN, MUHAMMET HUSEYIN CETIN, BABUR OZCELIK
Presenter: ONUR CAN SIRVAN

0277 : EFFECT OF ANNEALING TEMPERATURES ON THE MICROSTRUCTURAL AND MECHANICAL PROPERTIES OF COCRFENI HIGH ENTROPY ALLOYS PRODUCED BY POWDER METALLURGY
MUSTAFA TEKIN, HASAN KOTAN
Presenter: MUSTAFA TEKIN

0324 : SOUR CHERRY KERNEL REINFORCED BIOCOSMPOSITE FILMS AND INVESTIGATION OF SOME PROPERTIES
ULKU SOYDAL, MURAT YILDIRIM, MUHAMMED MELIH BUL, GULNARE AHMETLI
Presenter: MUHAMMED MELIH BUL

0199 : PRODUCTION OF CYLINDER HEADS ENGINE BLOCKS BY USING COMPACT GRAPHITE CAST IRON
CEM ULUC, MERVE ULULAR, HASAN HASIRCI
Presenter: CEM ULUC

0308 : DETECTING STRUCTURAL PROPERTIES OF 2D MATERIALS BY CONVOLUTIONAL NEURAL NETWORKS
CAHIT PERKGOZ
Presenter: CAHIT PERKGOZ

0264 : EXPERIMENTAL INVESTIGATIONS ON MECHANICAL PROPERTIES OF STEEL WIRE ROPES BY USING DIFFERENT EMPREGNATED THERMOPLASTIC MATERIALS
ZEYNEP SEYMA SERDAROGLU, MURAT POLAT
Presenter: ZEYNEP SEYMA SERDAROGLU

0260 : EFFECTS OF REDUCTION RATIO ON WIRE ROPE STRENGTH IN COMPACTED WIRE ROPE PRODUCTION
SEVIM GOKCE ESEN
Presenter: SEVIM GOKCE ESEN

0262 : THE EFFECT OF CORE MATERIAL AND STRETCH RATIO ON PRE STRETCHED ELEVATOR ROPES
ZEHRA ALTINISIK, ERDINC EFENDI
Presenter: ZEHRA ALTINISIK