

CIEA 2018

INTERNATIONAL CONFERENCE ON
INNOVATIVE ENGINEERING APPLICATIONS
SIVAS CUMHURİYET UNIVERSITY

SEP 20-22
2018

20.09.2018 THURSDAY/PERŞEMBE				
ENGINEERING (GENERAL)				
	HALL-A		HALL-B	
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CHAIR	Prof. Dr. Hanlar BAGIROV		CHAIR	Prof. Dr. Meltem Sarıoğlu CEBECİ
11.00-11.30	Invited Speaker Prof. Dr. Kouider MADANI			Invited Speaker Prof. Dr. Mehmet ŞİMŞİR
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20.09.2018 THURSDAY/PERŞEMBE		
NATURAL SCIENCE		
HALL-E		
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CHAIR	Prof. Dr. Meltem SARIOĞLU CEBECİ	
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FOOD SCIENCE AND TECHNOLOGIES / BIOTECHNOLOGY AND BIOENGINEERING /MECHATRONICS/AUTOMOTIVE TECHNOLOGIES/ MANUFACTURING TECHNOLOGIES					
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14.00-14.15	72	DEVELOPMENT OF A ROAD ANALYSIS SYSTEM TO REDUCE VEHICLE VIBRATION AND RIDE DRIVING PERFORMANCE H. Sümbül*, A. Bogrek	175	FINITE ELEMENT ANALYZE OF THE EFFECT OF SETTING IMPLANTS AT VARIABLE ANGLES ON MANDIBULAR BONE E. Bahçe*, Ç. Aktaş, E. Emir, E. Sarıgül
14.15-14.30	102	EXPERIMENTAL HEAT TRANSFER PERFORMANCE OF A LOUVERED-FIN AND FLAT-TUBE AUTOMOTIVE RADIATOR FOR VARIOUS ENGINE COOLANTS E. Keklik, M. Hoşöz*	322	ANTIBACTERIAL EFFECTS OF ESSENTIAL OIL FROM THYMUS FALLAX F. ON CLAVIBACTER MICHIGANENSIS SUBSP. MICHIGANENSIS AND XANTHOMONAS AXONOPODIS PV. VESICATORIA T. Karan*
14.30-14.45	235	INVESTIGATION OF CUTTING TOOL WEARS AND CUTTING FORCES DURING WEAR IN MACHINING OF GGG 90 DUCTILE CAST IRON USED AS CRANK SHAFT H. Koçak*, G. Uzun	331	A LITERATURE REVIEW ON ELECTRONIC NOSE TECHNOLOGY FOR DIAGNOSIS OF DISEASES F. Yelken*, Ç. Acı
14.45-15.00	COFFEE BREAK			
CHAIR	Asst. Prof. Dr. İlkay DEMİR		CHAIR	
15.00-15.15	92	PERFORMANCE COMPARISON OF REFRIGERANTS R1234ZE(E), R1234YF AND R134A IN AN AUTOMOBILE AIR CONDITIONING SYSTEM M. Hoşöz*, A. Alkan		

15.15-15.30	185	EXPERIMENTAL STUDY ON THE EFFECT OF DIFFERENT CONDENSER AND EVAPORATOR AIR FLOW RATE IN AUTOMOTIVE AIR CONDITIONING SYSTEM A. Alkan*, A. Kolip, M. Hoşöz		
15.30-15.45	172	INVESTIGATION OF TRIBOLOGICAL PROPERTIES OF MULTILAYER COATED COCRM0 ALLOY N. Çakır*, A. K. Aslan, E. Bahçe, M. S. Güler		
15.45-16.00	209	USE OF WASTE MARBLE: ARCHITECTURAL CONCRETE E. T. Tunç*, K. E. Alyamaç		
16.00-16.15	360	INVESTIGATION OF TOPOGRAPHIC EFFECT IN GCP SELECTION IN UAV PHOTOGRAMMETRY: GAZİANTEP/ NİZİP H.S Kapıcıoglu* , K.O. Hastaoglu, F.Poyraz, Y. Gul		
16.15-16.30				

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21.09.2018 FRIDAY/CUMA		
COMPUTER SCIENCES		
HALL-E		
	ID No	ARTICLE TITLE
CHAIR	Asst. Prof. Dr. Rukiye KARAKIŞ	
08.30-08.45	63	SENTIMENT ANALYSIS ON IMDB MOVIE COMMENTS AND TWITTER DATA BY MACHINE LEARNING AND VECTOR SPACE TECHNIQUES A.Çoban*, I. Tarimer, A. Kocaman
08.45-09.00	229	EVALUATION OF MACHINE LEARNING-BASED SCHEMES BY USING INTEGRATED AHP-VIKOR METHOD: A CASE STUDY IN DETERMINATION OF BREAST CANCER PROGNOSIS M. G. Pamuk*, I. Atacak
09.00-09.15	140	GENETIC PROGRAMMING DESCRIPTOR FOR MULTI-CLASS PATTERNED CLASSIFICATION PROBLEM S. Arslan*, C. Öztürk
09.15-09.30	262	ON CLASSIFICATION OF NEWS DOCUMENTS IN TURKISH A.K. Uysal*
09.30-09.45	62	BEVERAGE FILLING AUTOMATION BY MOBILE PROGRAMMING AND AN EVALUATION OF PRODUCTION FORECAST I. Tarimer*, Y. Aymak, A. Ekti
09.45-10.00	287	WIRELESS NETWORKS AND COMPUTER VISION BASED PARK SYSTEM IN SMART CITIES A.Sener*, E. Gonultas
10.00.-10.15	COFFEE BREAK	

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CHAIR		Assoc. Prof. Dr. Murat KÖKSAL
10.15-10.45		Invited Speaker Prof. Dr. Asaf VAROL
10.45-11.00	296	ANALYSIS OF CROSSOVER, MUTATION METHODS AND RATES OF GENETIC ALGORITHMS APPLIED ON TRAVELING SALESMAN PROBLEM A.Bal*, M. Akın
11.00-11.15	236	A REINFORCEMENT LEARNING APPROACH IN HOME ENVIRONMENT USING PYTHON Z. Pala*
11.15-11.30	240	FORECASTING LOW FREQUENCY ELECTROMAGNETIC FIELDS VALUES TIME SERIES USING PYTHON Z. Pala*, I. H. Ünlük, Ç. Şahin
11.30-11.45	316	IMPROVING SOFTWARE DEVELOPMENT PROCESSES USING SEMANTIC WEB TECHNOLOGIES M. Milli, E. Ünsal*, M. Milli Ö. Aktaş
11.45-12.00	307	ONTOLOGICAL REPRESENTATION OF HETEROGENEOUS SENSOR DATA M. Milli, Ö. Aktaş, E. Ünsal*, D.D. Gezgin, M. Kahveci
12.00-12.15	319	A NEW GREENHOUSE MONITORING SYSTEM BASED ON INTERNET OF THINGS TECHNOLOGY E. Ünsal*, A.F. Yelkovan, M. Taşbaşı, Ö. Sönmez
12.15-12.30	324	COMPUTER ASSISTED SENSORY TRANSFORMATION AND PERCEPTION EXTENSION SYSTEM E. Ünsal*, S. Koçkanat, P. Tütüncü, E. Kopuz
12.30-12.45		LUNCH BREAK

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21.09.2018 FRIDAY/CUMA		
MATERIAL SCIENCE AND METALLURGY		
HALL-A		
	ID No	ARTICLE TITLE
CHAIR	Asst. Prof. Dr. Cem ERTEK	
		<p style="text-align: center;">Invited Speaker Prof. Dr. Mehmet EROĞLU Thursday 10.15-10.45 Hall B</p>
		348 ADVANCED HIGH STRENGTH STEELS (AHSS): THE PAST, PRESENT AND FUTURE
13.30-13.45	310	COATING HARDOX 450 STEEL WITH DIFFERENT STELLITE COATINGS VIA TIG METHOD Z. Balalan*, I. Kirik, O. Ekinci, M. Yaz
13.45-14.00	18	STUDY OF SOUND PROPERTIES OF HDPE / SIS POLYMER COMPOSITES S. Ersoy*, Y. Boztoprak
14.00-14.15	143	COMPARISON OF THE HISTOLOGICAL EFFECTS OF NANO CERAMIC SCALPEL AND STEEL SCALPEL ON WOUND HEALING IN RAT MODEL F. Ada*, E. Gumus
14.15-14.30	156	ACCELERATED AGING OF BIOBASED/KENAF FIBRES COMPOSITE: COLOR, STRUCTURAL CHANGES & VISCOELASTIC BEHAVIOUR A.Hamma*, S. Bouhelal, A. Pegoretti
14.30-14.45	250	A RESEARCH ABOUT THE EFFECTS OF THE NITRIDING METHODS ON THE HOT WORKING TOOL STEEL S. Tabak*, T. Demirel
14.45-15.00		A DIFFERENT APPROACH FOR MANUFACTURING OF BEVEL GEARS WITH END MILL ON CNC MILLING MACHINE

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	173	C. Özel*, E. Bahçe, D. Karman
15.00.-15.15	COFFEE BREAK	
CHAIR	Assoc. Prof. Dr. Turhan KURŞUN	
	Invited Speaker Prof. Dr. Şükrü TALAŞ Thursday 10.15-10.45 Hall C	
15.30-15.45	5	INVESTIGATION OF 17-4 PH STAINLESS STEEL FABRICATED BY LASER-POWDER BED FUSION H. Irrinki, J. S. D. Jangam, S. Pasebani, S. Badwe, J. Stitzel, K. Kate, O. Gülsoy*, S. V. Atre
15.45-16.00	342	PTA WELDING OF AISI 420 MARTENSITIC STAINLESS STEEL BY USING FILLER METAL N. Özdemir*, O. Yiğit, M. Güner, T. S. Şeker
16.00-16.15	75	MICROSTRUCTURE AND MECHANICAL PROPERTIES OF AISI-420 STAINLESS STEELS PRODUCED BY LASER-POWDERED BED FUSION S. D. Nath, H. Irrinki, M. Kearns, O. Gülsoy*, S. V. Atre
16.15-16.30	232	A COPPER OXIDE (CUO) THIN FILMS DEPOSITED BY THE SPRAY PYROLYSIS METHOD B. Youcef*, B. Antar, S. Hacene
16.30-16.45	308	THE EFFECT OF ANNEALING TEMPERATURES ON CRYSTAL STRUCTURES AND DYE SENSITIZED SOLAR CELL PERFORMANCE OF TIO2 NANOTUBE ARRAYS B. B. Çırak*
16.45-17.00	184	WORK HARDENING AND WEAR RESISTANCE BEHAVIOR OF HARD FACED CASTING SAMPLES CARRIED OUT WITH HIGH MANGANESE COVERED ELECTRODES S. Kolukisa*, İ. Dilek, S. Bayar
17.00-17.15	216	CREATING HYDROXYAPATITE BY HYDROTHERMAL METHOD IN Ti6Al4V ALLOY SURFACE

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		K. Yaman*, N. Ozdemir
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MATERIAL SCIENCE AND METALLURGY		
HALL-A		
	ID No	ARTICLE TITLE
CHAIR	Prof. Dr. Niyazi ÖZDEMİR	
08.30-08.45	192	MICROSTRUCTURE AND CORROSION RESISTANCE OF DIRECTIONALLY SOLIDIFIED AL-SI-MG EUTECTIC ALLOY AFTER HEAT TREATMENTY K. Kaygısız*, D. B. Kayan
08.45-09.00	202	SYNTHESIS OF THIADIAZOLE TETRASUBSTITUTED ZINC PHTHALOCYANINE COMPOUND AND INVESTIGATION OF THE POTENTIAL USE IN ORGANIC SOLAR CELLS E. Yabaş*, A.Özer, M. Kul, P. Başarar
09.00-09.15	309	MICROSTRUCTURAL ANALYSIS OF ST 52 COATED STELLING WITH TIG Z. Balalan*, I. Kirik, O. Ekinci, M. Kilic
09.15-09.45	279	EFFECT OF LASER POWER ON MICROSTRUCTURE PROPERTIES OF TITANIUM ALLOY COMBINED WITH ND:YAG LASER SOURCE C. Köse*, E. Karaca
09.45-10.00	6	THE EFFECT OF BRAZING FILLER MATERIALS AMOUNT ON MECHANICAL PROPERTIES OF JOINT S. Mercan*
10.00-10.15	COFFEE BREAK	
CHAIR	Prof. Dr. Niyazi ÖZDEMİR	
10.15-10.30	340	INVESTIGATION OF WEAR BEHAVIOR OF WC COATED STEEL BY ESD METHOD Ş. Talaş*, Y. Kayalı
10.30-10.45	114	DISSOLUTION KINETICS OF ZINC OXIDE POWDER OBTAINED WASTE ALKALINE BATTERIES IN SODIUM HYDROXIDE SOLUTIONS N. Demirkıran*, G.D.T. Özdemir

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10.45-11.00	112	OPTIMIZATION OF LEACHING OF MANGANESE FROM WASTE BATTERY POWDERS BY RESPONSE SURFACE METHODOLOGY G. D. T. Özdemir*, N. Demirkıran
11.00-11.15	113	SELECTIVE DISSOLUTION OF ZINC AND MANGANESE FROM WASTE ALKALINE BATTERY POWDERS BY TWO-STAGE LEACHING METHOD G. D. T. Özdemir*, N. Demirkıran
11.15-11.30	242	THE EFFECT OF WELDING SPEED ON THE MICROSTRUCTURE PROPERTIES OF ROBOTIC LASER WELDED FERRITIC STAINLESS STEEL C. Köse*, C. Topal
11.30-11.45	115	PRODUCTION OF ZNO FROM THE RESULTING AQUEOUS SOLUTION AFTER DISSOLUTION OF METALLIC ZINC IN SPENT ZINC-CARBON BATTERIES N. Demirkıran*, M. Dardağan, G.D.T. Özdemir
11.45-12.00	170	FACILE SYNTHESIS OF ZNO RODS, TUBES AND SHEETS AT DIFFERENT TEMPERATURES WITH USING CHEMICAL DEPOSITION METHOD S. M. Karadeniz*, M. Özturan
12.00-13.00	BREAK	
CHAIR	Asst. Prof. Dr. Serdar MERCAN	

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		Invited Speaker Prof. Dr. Ulvi ŞEKER Thursday 11.00-11.30 Hall C
13.30-13.45	349	A MODEL FOR DEVELOPMENT OF COUNTRY ON THE BASIS OF INNOVATION; GOVERNMENT-UNIVERSITY-INDUSTRY COOPERATION (GUIC) M. Şimşir*
13.45-14.00	341	BALLISTIC PERFORMANCE OF ESD COATED STEEL PLATES Ş. Talaş*, Y. Kayalı, B. Gökçe
14.00-14.15	350	USING OF METAL COATED DIAMOND IN DESIGN OF SEGMENT USED IN NATURAL STONE SAWING PROCESS M. Şimşir*, H. Sübütay
14.15-14.30	144	EXTRACTION KINETICS OF CU(II) IONS FROM LEACH SOLUTIONS WITH ACORGA M5640 M.K. Tanaydın*, N. Demirkıran
14.30-14.45	58	PRODUCTION OF ELECTROLYTIC COPPER FROM MALACHITE ORE PRACTICING OF LEACHING, SOLVENT EXTRACTION AND ELECTROLYSIS METHODS M.K. Tanaydın*, N. Demirkıran
14.45-15.00	277	INVESTIGATION OF CHARGE AND DISCHARGE CHARACTERISTICS OF DIFFERENT BATTERY TYPES ON HYBRID VEHICLE MODEL Y. E. Ekici*, K. Kartaca
15.00-15.15	COFFEE BREAK	
CHAIR	Asst. Prof. Dr. Serdar MERCAN	
15.15-15.30	278	DESIGN AND ANALYSIS OF SMALL DIMENSIONAL MAGNETICS NUANCED TRANSFORMER K. Kartaca* T. Abbasov, Y.E. Ekici

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15.30-15.45		
15.45-16.00	165	POLY (4-METHYL-2-(((PYRIDIN-2-YL) METHYLIDENE) AMINO) PHENOL)-PD(II) CATALYST: SYNTHESIS, CHARACTERIZATION AND APPLICATION IN SUZUKI REACTIONS N .Y. Baran*
16.00-16.15	243	INVESTIGATION OF MECHANICAL PROPERTIES OF ROBOTIC LASER WELDED FERRITIC STAINLESS STEEL C. Köse*, C. Topal
16.15-16.30	280	EFFECT OF HEAT TREATMENT CONDITIONS ON MICROSTRUCTURE PROPERTIES OF TITANIUM ALLOYS COUPLED WITH ND:YAG LASER SOURCE C. Köse*, E. Karaca

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21.09.2018 FRIDAY/CUMA		
CIVIL AND CONSTRUCTION		
HALL-E		
	ID No	ARTICLE TITLE
CHAIR	Asst. Prof. Dr. Onur ONAT	
13.00-13.30		Invited Speaker Assoc. Prof. Dr. Jose Sena CRUZ
13.30-13.45	230	OPERATIONAL MODAL ANALYSIS OF ALUMINUM MODEL STRUCTURES USING EARTHQUAKE SIMULATOR A.Dushimimana*, F. Günday, S. Tuhta
13.45-14.00	231	ANALYTICAL AND EXPERIMENTAL MODAL ANALYSIS OF A STEEL MODEL STRUCTURES USING BLAST EXCITATION F. Günday*, A. Dushimimana, S. Tuhta
14.00-14.15	269	INVESTIGATION OF PREVENTION OF VEHICLE TIRE ONDULATIONS MADE OF FLEXIBLE PAVEMENTS WITH LIME AND PERLITE MINERAL ADDITIVES H. Temiz, M. K. Keklik*
14.15-14.30	84	SOLVING TURBULENT NEWTONIAN FLUID FLOW IN ECCENTRIC ANNULUS WITH MULTIVARIABLE REGRESSION ANALYSIS E. Ulker*, S. O. K. Uysal, M. Sorgun
14.30-14.45	85	A NUMERICAL SOLUTION OF NON-NEWTONIAN FLUID FLOW IN CONCENTRIC ANNULUS E. Ulker*, S. O. K. Uysal, M. Sorgun
14.45-15.00	133	ANCHORAGE STABILITY DESIGN FOR COAL OPEN PIT MINING SLOPE- GEOLAYER QUALITY ASSESSMENT ON SITE IN ŞIRNAK Y. I. Tosun*
15.00.-15.15	COFFEE BREAK	
CHAIR	Assoc. Prof. Dr. Burak YÖN	

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15.15-15.30	146	MECHANICAL AND DYNAMICS BEHAVIOUR OF FIBER AND FLY ASH REINFORCED HOLLOW PILE S. Karaca, F. Artuk*
15.30-15.45	150	USE OF PERVIOUS CONCRETE IN THE CONSTRUCTION INDUSTRY A.Unal*, A.Oz
15.45-16.00	176	LINEAR DYNAMIC ANALYSIS OF A MASONRY ARCH BRIDGE A.Özmen*, E. Sayın
16.00-16.15	186	MECHANICAL AND THERMAL INSULATION PROPERTIES OF LIGHTWEIGHT MORTARS WITH PERLITE V. Akyüncü*, A.B. Kizilkanat, N. Kabay
16.15-16.30	187	PHYSICAL AND MECHANICAL PROPERTIES OF CEMENT BASED COATING MATERIALS N. Kabay, V. Akyüncü*, A.B. Kizilkanat, Ö. U. Aktaş
16.30-16.45	73	THE EFFECT OF BARITE DUST ON THE MECHANICAL AND PHYSICAL PROPERTIES OF SELF-COMPACTING MORTARS S. Cemalgil*, S. Etili, O. Onat
16.45-17.00	359	SEISMIC BEHAVIOUR OF A HISTORICAL MASONRY ARCH BRIDGE UNDER DIFFERENT EARTHQUAKE LEVELS E. Sayın*, M. Karaton
17.00-17.15	213	DETERMINATION OF LOS ANGELES ABRASION LOSS OF BASALT AGGREGATE TYPE IN ELAZIĞ PROVINCE E. T. Tunç*

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22.09.2018 SATURDAY/CUMARTESİ

CIVIL AND CONSTRUCTION

HALL-E

	ID No	ARTICLE TITLE
CHAIR	Assoc. Prof. Dr. Erkut SAYIN	
08.30-08.45	149	PREDICTION AND VERIFICATION OF COMPRESSIVE STRENGTH OF HISTORICAL MASONRY STRUCTURES WITH ARTIFICIAL NEURAL NETWORK O. Onat*, B. Yön
08.45-09.00	258	UNIVERSITY STUDENTS IN EASTERN ANATOLIA AND SOUTHEASTERN ANATOLIA REGION ARE AWARE OF OCCUPATIONAL HEALTH AND SAFETY IN THE CONSTRUCTION SECTOR M. Akgül*, Y. Doğan
09.00-09.15	147	MECHANICAL AND PHYSICAL PROPERTIES OF SELF-COMPACTING CONCRETE PRODUCED WITH GLASS POWDER S. Cemalgil*, S. Etli, O. Onat
09.15-09.45	74	INVESTIGATION PROPERTIES OF SELF-COMPACTING MORTAR PRODUCED WITH BASALT DUST S. Cemalgil*, S. Etli, O. Onat
09.45-10.00	255	AWARENESS ANALYSIS ON OCCUPATIONAL HEALTH AND SAFETY IN THE CONSTRUCTION SECTOR: SAMPLE OF MEDITERRANEAN AND BLACK SEA REGIONS M. Akgül*, Y. Doğan
10.00-10.15	COFFEE BREAK	
CHAIR	Assoc. Prof. Dr. Muhammed KARATON	
10.15-10.30	89	INVESTIGATION OF THE EFFECT OF FINE GRAINED TUFF ON THE PERFORMANCE OF FOAM CONCRETE L. Gündüz, Ş. O. Kalkan*
10.30-10.45	90	A TECHNICAL ANALYSIS ON THE USE OF PVAC ACRYLIC ESTER TERPOLYMER TYPE IN COMPOSITE MORTARS FOR INSULATION L. Gündüz, Ş. O. Kalkan*, M. İsker

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10.45-11.00	366	A SYSTEM BASED ON ADAPTIVE BACKGROUND SUBTRACTION APPROACH FOR MOVING OBJECT DETECTION AND TRACKING IN VIDEOS İ.Can, M.Yıldırım, A. Kapıcıoğlu, M. Özer*
11.00-11.15	365	BRAKE PADS AND MATERIALS FEATURES USED IN AUTOMOBILE BRAKES F.Karaca*, İ.Can, A.Kapıcıoğlu
11.15-11.30	293	SITE AMPLIFICATION OF TWO STRONG-MOTION RECORDING STATIONS IN ITALY: GUBBIO-PIANA (SOFT SOIL) AND FORGARIA CORNINO (STIFF SOIL) A.Sandikkaya*
11.30-11.45	325	ANALYSIS OF LAKE LEVEL VARIATION IN TIME-SCALE DOMAIN AND APPLICATION FOR TUZ LAKE T. M. Cengiz*
11.45-12.00	327	HOMOGENEITY ANALYSIS OF PRECIPITATION OVERLAKE THE GREAT LAKES REGION T. M. Cengiz*
12.00-13.00	BREAK	
CHAIR	Asst. Prof. Dr. Yusuf DOĞAN	
13.00-13.15	361	USE OF WHEY IN KEFIR PRODUCTION Ö.P.Can
13.15-13.30	119	NATURAL FREQUENCY ANALYSIS OF LAMINATED COMPOSITE BEAMS WITH MULTIPLE OPEN TRANSVERSE CRACKS V. Kahya*, S. Karaca, F. Y. Okur, A. C. Altunışık, M. Aslan
13.30-13.45	103	A FINITE ELEMENT FOR FREE VIBRATION ANALYSIS OF TAPERED BEAMS V. Kahya*, S. D. Güneş, S. Karaca

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13.45-14.00	306	MECHANICAL AND PHYSICAL PROPERTIES OF BORAX PENTAHYDRATE CONCRETE M. V. Çiçek*, Y. Esen
14.00-14.15	312	THE EFFECT OF DIFFERENT FLOW RATES ON THE CALCITE PERCENTAGE AND SEEPAGE RATE IN BIOLOGICAL IMPROVEMENT OF SOILS H. Akoğuz*, S. Çelik, Ö. Barış
14.15-14.30	330	EFFECT OF AGING ON SELF-SENSING CAPABILITY OF CEMENTITIOUS COMPOSITES DOPED WITH CARBON FIBERS G. Yıldırım*
14.30-14.45	270	ANALYSIS OF THE DISCONTINUOUS CONTACT PROBLEM OF A HOMOGENEOUS LAYER BY USING FINITE ELEMENT METHOD A.Polat*
14.45-15.00	351	EXPERIMENTAL MODAL TESTING OF A HISTORICAL CLOCK TOWER F. Y. Okur, A. F. Genç, M. Günaydın, A.C. Altunışık*
15.00-15.15	352	VIBRATION CHARACTERISTICS OF HISTORICAL MASONRY MUSEUM A. F. Genç, F. Y. Okur, M. Günaydın, A.C. Altunışık*
15.15-15.30	370	INDUSTRIAL APPLICATIONS OF TLP BONDING: CHALLENGES AND OVERVIEW R. Bakhtyari*
15.30-15.45	371	STRUCTURAL BEHAVIOUR OF RC STRUCTURES STRENGTHENED WITH PRESTRESSED CFRP LAMINATES J. S.Cruz*, L. Correia

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21.09.2018 FRIDAY/CUMA		
ELECTRICAL AND ELECTRONICS		
HALL-B		
	ID No	Article Title
CHAIR	Asst. Prof. Dr. Murat OKATAN	
		Invited Speaker Assoc. Prof. Dr. Günyaz ABLAY Thursday 10.15-10.45 Hall A
13.30-13.45	57	ANTHROPOMETRIC AND BLOOD ANALYSIS PARAMETERS DEPENDENT BREAST CANCER PRE-DIAGNOSIS WITH THE HELP OF INFORMATIVE IMAGES OBTAINED BY DATA MINING AND IMAGE PROCESSING ALGORITHMS S. B. Akben*
13.45-14.00	64	USEFUL LIFE PREDICTION OF ALUMINUM ELECTROLYTIC CAPACITORS USED IN MOTOR DRIVE APPLICATIONS V. Süel*, H. Onay, K. Akıncı, T. Özgen
14.00-14.15	68	2D FEM BASED FLYBACK TRANSFORMER DESIGN FOR THE HIGHEST EFFICIENCY V. Süel*, H. Onay, K. Akıncı, T. Özgen
14.15-14.30	69	FPAA IMPLEMENTATION OF DISCRETE TIME CHAOTIC MAPS E. Günay, K. Altun*
14.30-14.45	70	PERFORMANCE ANALYSIS OF ORTHOGONAL CHAOTIC SIGNALS IN DIGITAL BASED CHAOTIC COMMUNICATION SYSTEMS K. Altun*, E. Günay
14.45-15.00		
15.00.-15.15	COFFEE BREAK	

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CHAIR	Asst. Prof. Dr. Özlem POLAT	
15.15-15.30	244	ANALYSIS OF RADIO FREQUENCY ELECTROMAGNETIC WAVES OF COMPACT FLOURESCENT LAMPS FOR ONE DIMENSION PLANE Y. Tanış*, İ. Koşalay
15.30-15.45	122	INDUCTION MOTOR BROKEN ROTOR BAR FAULT DETERMINE BY EWMA METHOD USING CURRENT SIGNATURE ANALYSIS E. Eser*
15.45-16.00	123	DETERMINATION OF BEARING FAULTS IN INDUCTION MOTORS BY EWMA METHOD E. Eser*, Z. Doğan
16.00-16.15	129	BACK-SCATTERING DEPENDENT MODE PURITY OF VORTEX BEAM EMITTER K. Çiçek*, J. Zhu, L. Meriggi, X. Cai, M. Sorel, S. Yu
16.15-16.30	137	PARAMETRIC OPTIMIZATION OF OUTRUNNER PMSM FOR STABILIZING OF EFFICIENCY-COGGING TORQUE A.Saygın, A. Aksöz*
16.30-16.45	138	PERFORMANCE STUDY OF HIGH OPERATION SPEED OF PMSM USING FIELD ORIENTED CONTROL METHOD AND SVPWM A.Saygın, A. Aksöz*
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08.45-09.00	152	EFFECTS OF DIFFERENT DESIGN REZONANCE INDUCTANCES (LR) ON LLC CONVERTER M. C. C. Başol*
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09.15-09.45	163	LED / IRLED COMPONENTS AND APPLICATION EXAMPLE USED IN MEDICAL SYSTEMS A. Aytekin, I. Kıyak*
09.45-10.00	164	ILLUMINATION DESIGN OF EDUCATIONAL ENVIRONMENT WITH EFFICIENT LIGHTING LUMINARIES A. Spor, I. Kıyak*
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10.30-10.45	204	INVESTIGATION OF ENERGY QUALITY ON MGS UNDER HIGH PENETRATION OF PV GENERATION D. B. Ünsal* , A. Kulaksız, A. Önen
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14.30-14.45	222	THE IMPACT OF GRID-CONNECTED DISTRIBUTED POWER GENERATION SYSTEMS ON POWER QUALITY O. Akar, U. K. Terzi*, E. Dursun, O. Ozgonenel, A. Demirci
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