

TICMET'19

October 10-12, 2019

The International Conference of Materials and Engineering Technology

(Uluslararası Malzeme ve
Mühendislik Teknolojileri
Konferansı)

Mavera Congress &
Art Center
Gaziantep University
Gaziantep/TURKEY



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CONFERENCE OBJECTIVE

The International Conference of Materials and Engineering Technology (TICMET'19) will be organized by Gaziantep University and together with other collaborating universities in Gaziantep, TURKEY on 10-12 October, 2019.

Gaziantep, a city Southeast Anatolia is the 6th largest city in Turkey. The city has a rich cultural heritage and it has been incorporated into the creative cities network by UNESCO in the field of gastronomy.

The main objective of TICMET'19 is to present the latest research and results of scientists related to Computer Sciences, Electrical&Electronics, Energy Technologies, Material Sciences, Manufacturing Technologies, Mechatronics and Biomedical Technologies. This conference provides opportunities for the different areas delegates to exchange new ideas and application experiences face to face, to establish business or research relations and to find global partners for future collaboration. We hope that the conferences results constituted significant contribution to the knowledge in these up to date scientific field. The organizing committee of conference is pleased to invite prospective authors to submit their original manuscripts to TICMET'19.

All abstracts will be reviewed and evaluated by the referees in the relevant field on the basis of technical and / or research content / depth, accuracy, relevance to the conference, contributions and readability.

Selected papers presented in the conference will be published one of the following journals:

- The International Journal of Materials and Engineering Technologies (TIJMET) (Dergipark)
- El-Cezeri Journal of Science and Engineering (TR Dizin)

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Dr. Mirza Nadeem Baig, Pakistan Welding Institute - PK
Dr. Mohammad Ghaffar Faraj, Koya University - IQ
Dr. Peter Kay, University Of The West Of England - GB
Dr. Sabir Ghauri, University Of The West Of England - GB
Dr. Shahroz Sakhawat, Pakistan Welding Institute – PK

INVITED SPEAKERS



Invited Speaker

Prof. Dr. Muammer KOÇ

Professor and Coordinator
Hamad Bin Khalifa University (HBKU)

MUAMMER KOC

Prior to his appointment as a founding professor of sustainability at HBKU in 2014, Professor Koç held professor, director, chair and dean positions at different universities in Turkey and the USA between 2000-2014. He has a PhD degree in Industrial and Systems Engineering from the Ohio State University (1999) and an Executive MBA degree from the University of Sheffield, UK (2014). He has published 130+ publications in various international journals and conferences; edited three books; organized, chaired, and co-chaired various international conferences, workshops and seminars on design, manufacturing and product development. In addition to his academic and educational activities, he provides consulting services to industry, government and educational institutes for strategic transformation, business optimization, organizational efficiency, lean operations, restructuring and reengineering initiatives. He has taught courses across a range of subjects, including product/process/business innovation and development; medical design and production; energy and efficiency; computer-aided engineering, design and manufacturing; modern manufacturing technologies; manufacturing system design; material forming plasticity; and the mechanical behavior of materials.



Invited Speaker

Prof. Dr. Marwan KHRAISHEH

Hamad Bin Khalifa University
(HBKU)

MARWAN KHRAISHEH

Prior to joining the Masdar Institute faculty, Dr. Khraisheh was the Secat - J. Morris Professor and the Director of Undergraduate Studies in the Mechanical Engineering Department at the University of Kentucky. His research interests include materials processing and sustainable manufacturing. He currently focuses on developing innovative concepts and techniques for processing and fabrication of advanced materials including lightweight alloys. Dr. Khraisheh is a recipient of a number of significant awards including the prestigious US National Science Foundation CAREER Award, the 2004 Society of Manufacturing Engineers (SME) Eugene Merchant Outstanding Young Manufacturing Engineer Award, the 2003 North American Manufacturing Research Institute (NAMRI) Outstanding Paper Award and the 2005 Henry Mason Lutes Award for Excellence in Engineering Education. He serves on the Editorial Board of Journal of Materials Processing Technology (Elsevier) and is a member of a number of international technical committees from ASME, ASM and TMS. Dr. Khraisheh has edited a proceeding book for ASME and has more than 110 publications including refereed journal papers, refereed conference papers and presentations.



Invited Speaker

Prof. Dr. Zakaria BOUMERZOUĞ

University Mohamed Khider
of Biskra

ZAKARIA BOUMERZOUĞ

Zakaria Boumerzoug is a professor of metallic materials at Biskra University. He joined Biskra University in 1992. He obtained his PhD from Constantine University in 1998. He published fifty articles and he participated to more than thirty international conferences as speaker and invited speaker. He was as a member and also as a guest editor in some international conferences. He has supervised 17 PhD students. He has reviewed many articles of some scientific journals. He is a chief of an international project between Biskra University and UMONS University in Belgium. He has a short international teaching experience at Cadiz University, Spain, May 2017(ERASMUS Program). He has organised more than 10 scientific meeting in Algeria.



Invited Speaker

Assoc. Dr. Mehmet AYDIN

Computer Science
University of the West of England

MEHMET AYDIN

Mehmet AYDIN joined CSCT department at the end of January 2015 as Senior Lecturer in Computer Science. Prior to this post, I have worked in academic and research positions for various universities including University of Bedfordshire, London South Bank University and University of Aberdeen. Mehmet AYDIN editorial board member of a number of international peer-reviewed journals, and have been serving as committee member of various international conferences. Mehmet AYDIN also member of EPSRC Review College and fellow of Higher Education Academy. My research interests include parallel and distributed metaheuristics, wired/wireless network planning and optimization, combinatorial optimization, evolutionary computation and intelligent agents and multi agent systems.



YUSEF HAIK

Yousef Haik is an internationally recognized scholar in the fields of engineering and nanotechnology. He has made notable contributions to the creation of novel nanomaterial that have seen applications in magnetic hyperthermia, onsite diagnostics, antimicrobials and solar cells. He is an inventor of numerous patents, many of which have been licensed. His publication record includes over 250 peer-reviewed articles, textbooks and conference proceedings. He is honored with a number of prestigious awards, including among many, the HH Sheikh Khalifa Award for Distinguished Research Professor, Arab Thoughts Foundation and the FUIW-FUMI Research Award. He is a fellow of the American Society of Mechanical Engineers (ASME) and a member of more than a dozen international societies. He serves as the Editor in Chief and on the editorial board for more

than a dozen international journals. His academic career has included appointments in engineering (Mechanical, Biomedical and Nanoengineering) and science (Medicinal Chemistry, Physics and Nanoscience) programs. He is an ABET evaluator. His administrative appointments include Associate Vice President, Dean, Director for Research Centers, Department Chair and Graduate Programs Director. He has led the creation of a number of degree programs.

PROGRAM OVERVIEW

10.10.2019 - THURSDAY

09:00 – 10:00	Registration	Conference Registration Desk
10:00 – 12:00	Opening Ceremony Plenary Sessions	Gaziantep University Maveria KSM - Main Hall
12:00 – 13:30	Lunch	Gaziantep University – Staff Cafeteria
13:30 – 14:30	Invited Speakers Session	Gaziantep University Maveria KSM – Hall I
14:30 – 15:00	Coffee Break	Gaziantep University Maveria KSM
15:00 – 16:30	Session I	Gaziantep University Maveria KSM - Hall 1 - Hall 2 – Hall 3 - Hall 4
16:30 – 16:45	Coffee Break	Gaziantep University Maveria KSM
16:45 – 18:15	Session II	Gaziantep University Maveria KSM - Hall 1 - Hall 2 – Hall 3 - Hall 4
19:00 – 22:00	Dinner	Historical Ayyuş Hanım House

11.10.2019 - FRIDAY

09:00 – 10:30	Session III	Gaziantep University Maveria KSM - Hall 1 - Hall 2 – Hall 3 - Hall 4
10:30 – 10:45	Coffee Break	Gaziantep University Maveria KSM
10:45 – 12:15	Session IV Special R&D Session	Gaziantep University Maveria KSM - Hall 1
12:15 – 14:00	Lunch	Gaziantep University – Staff Cafeteria
14:00 – 14:30	Invited Speaker Session	Gaziantep University Maveria KSM – Hall I
14:30 – 15:00	Special Session Enterprise Europe Network	Gaziantep University Maveria KSM – Hall I
15:00 – 15:15	Coffee Break	Gaziantep University Maveria KSM
15:15 – 16:45	Session V	Gaziantep University Maveria KSM - Hall 1 - Hall 2 – Hall 3 - Hall 4
16:45 – 17:00	Coffee Break	Gaziantep University Maveria KSM
17:00 – 18:30	Session VI	Gaziantep University Maveria KSM - Hall 1 - Hall 2 – Hall 3 - Hall 4
19:00 – 22:00	Gala Dinner	Gaziantep University – Seyirtepe Restaurant

12.10.2019 - SATURDAY

10:00 – 17:00	Social Tour	Rumkale
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PLENARY SESSION

10.10.2019 – Thursday (11:00 – 12:00)	
INVITED SPEAKERS	
MAIN HALL	INNOVATION CAPACITY AS A DRIVER OF KNOWLEDGE BASED SUSTAINABLE DEVELOPMENT Muammer KOÇ
	TOWARDS SUSTAINABLE AND SMART MANUFACTURING Marwan KHRAISHEH

INVITED SPEAKERS SESSION

10.10.2019 – Thursday (13:30 – 14:30)	
HALL 1	DISCONTINUOUS PRECIPITATION IN METALLIC ALLOYS Zakaria BOUMERZOUĞ
	INTERNET OF SMART THINGS AND LEARNING SWARMS Mehmet AYDIN

SESSION I

10.10.2019 – Thursday (15:00 – 16:30)	
Chair: PROF. DR. METİN BEDİR	
HALL 1	0016: EXTRACTION OF INTERFACIAL PROPERTIES FOR DIFFERENT TYPES OF FRC WITH AIDS OF MODERN TECHNIQUES AMJAD KHABAZ
	0035: FRICTION PROPERTIES BETWEEN PLASMA SPRAY CERAMIC COATED DISC PAD INTERACTIONS RECEP AKYUZ, EKREM ALTUNCU, OZAN DEMIRDALMIS
	0045: INVESTIGATION OF THE EFFECT OF CARBONATION CAKE ON RHEOLOGICAL PROPERTIES OF BITUMINOUS BINDERS AHMET MUNIR OZDEMİR, ERKUT YALCIN, HASAN ARSLANOĞLU, MEHMET YILMAZ, BAHAR VURAL KOK
	0144: CARBON FIBER REINFORCED POLYMER COMPOSITES FROM AEROSPACE TO CIVIL ENGINEERING APPLICATIONS MOHAMED H RABIE, MOHAMMAD K HASSAN, SOHEB M SALIM, EMAN M FAYYAD, MOHAMMAD REFA AT A RAHİM IRSHİDAT, NASSER ABDULLAH N J ALNUAIMI, AMIT K SHARMA, JEFFREY S WIGGINS
	0107: HOT CORROSION RESISTANCE OF ZRO2 5 CAO THERMAL BARRIER COATING TBC SYSTEM KADIR MERT DOLEKER
	0108: THE INFLUENCE OF CYCLIC AND ISOTHERMAL HOT CORROSION ON A NICKEL BASED SUPERALLOY KADIR MERT DOLEKER, ABDULLAH CAHİT KARAOĞLANLI

10.10.2019 – Thursday (15:00 – 16:30)	
Chair:	
HALL 2	0061: AL CU MG MGO MWCNT KOMPOZİTLERİN FARKLI YÜKLER ALTINDA ASINMA ÖZELLİKLERİNİN İNCELENMESİ HALİL İBRAHİM KURT, ENGİN ERGÜL, MURAT ODUNCUOĞLU, CAN CİVİ
	0138: ANTEP FİSTİĞİ KABUKLARINDAN BİYOKOMÜR ÜRETİMİ ALİ KESKİN, ELİF ARANCI ÖZTÜRK, NADİR SENGÜL, FIRAT ELİBOL, MESUT ALTAS, MUSTAFA BOYRAZLI
	0160: SOĞUKTA SERTLESEN KOMPOZİT PELET ÜRETİMİNDE BAĞLAYICI OLARAK MELAS VE CMC NİN BİRLİKTE KULLANIMININ PELET ÖZELLİKLERİNE ETKİSİ ELİF ARANCI ÖZTÜRK, FIRAT ELİBOL, EDİP ERCEK, ALİ ABO, EZGİ GÜLER, YAGMUR ADSIZ, NADİR SENGÜL, AYDIN KARATEPE
	0097: ELECTROCHEMICAL CORROSION BEHAVIOR OF HEAT TREATED 2205 DUPLEX STAINLESS STEEL IN CHLORIDE SOLUTION HUSEYİN ZENGİN
	0098: EFFECT OF DIFFERENT INTERMETALLIC COMPOUNDS ON CORROSION RESISTANCE OF MG AL MAGNESIUM ALLOYS HUSEYİN ZENGİN
	0010: CRITICAL SIZE OF A SLAB REACTOR WITH NEUTRON TRANSPORT THEORY OF THE TRIPLET ANISOTROPIC SCATTERING HALİDE KOKLU, OKAN ÖZER

10.10.2019 – Thursday (15:00 – 16:30)	
Chair:	
HALL 3	0110: COMPARATIVE ANALYSIS OF CLASSIFICATION TECHNIQUES FOR CRISIS MANAGEMENT SYSTEMS SAED ALQARALEH, MERVE ISIK
	0079: COMPARISON OF AN INTERVAL TYPE 2 FUZZY SETS AND AHP METHODS FOR MATERIAL SELECTION PROBLEM ON LITHIUM ION BATTERIES AHMET AKTURK, SEDA TURK
	0166: ESTIMATION OF ACUTE WATER TOXICITY AGAINST DAPHNIA MAGNA USING THE LEVENBERG MARQUARDT NEURAL NETWORK METHOD ALI YASAR, ISMAIL SARITAS
	0112: PERFORMANCE INVESTIGATION OF DISTRIBUTED ORTHOGONAL SPACE TIME BLOCK CODING BASED ON RELAY SELECTION IN WIRELESS COOPERATIVE SYSTEMS MOHAMMED YOUSIF, SIDDEEQ AMEEN
	0052: GREY WOLF OPTIMIZATION BASED PTS SCHEME FOR PAPR REDUCTION IN OFDM SYSTEMS YUKSEL TOKUR BOZKURT
	0044: COMPARISON OF OPEN SOURCE AND HARDWARE FLIGHT CONTROLLERS ONUR ACAR, IBRAHIM GOV, M HANIFI DOGRU
	0169: AN EXTREME LEARNING MACHINE APPROACH FOR DETECTION OF EPILEPTIC SEIZURE ILKER ALI OZKAN, ABDULKADIR SADAY
	0170: DESIGN OF A SIMPLE SQUARE ROOT CALCULATOR ON FPGA BY USING VHDL ABDULKADIR SADAY, ILKER ALI OZKAN

10.10.2019 – Thursday (15:00 – 16:30)	
Chair:	
HALL 4	0139: CORROSION PROPERTIES OF DISTALLOY AE ALLOYS PREPARED BY P M METHOD IN 1M KOH SOLUTION AYSE NUR ACAR, RASIHA NEFISE MUTLU, ABDUL KADIR EKI, AHMET EKICIBIL
	0149: ELECTROCHEMICAL BEHAVIOUR OF TIN BASED FILM CATHODICALLY DEPOSITED FROM NON AQUEOUS MEDIA SITKI AKTAS, ABDULCABBAR YAVUZ, KAN KAPLAN, METIN BEDIR
	0091: LOW VELOCITY IMPACT BEHAVIORS OF THERMOPLASTICS COMPOSITES WITH DELAMINATIONS OGUZHAN DURDU, OKAN OZDEMIR
	0054: EFFECT OF GLASS FIBER HYBRIDIZATION ON LOW VELOCITY IMPACT BEHAVIOR OF BASALT FIBER REINFORCED COMPOSITE LAMINATES OZKAN OZBEK, OMER YAVUZ BOZKURT, AHMET ERKLIG
	0121: A NUMERICAL APPROACH TO ESTIMATE THE TENSILE STRENGTH OF STRUCTURAL LIGHTWEIGHT CONCRETE ESRA TUGRUL TUNC, KURSAT ESAT ALYAMAC, ZULFU CINAR ULUCAN
	0120: THE INFLUENCE OF DIFFERENT BED MATERIAL SIZES ON THE EQUILIBRIUM SCOUR DEPTH AT THE LABYRINTH SIDE WEIR FLOW MUSTAFA TUNC, MUHAMMET EMIN EMIROGLU

SESSION II

10.10.2019 – Thursday (16:45 – 18:15)	
Chair:	
HALL 1	0070: AL 7075 PVC ISITICI YUZEYINE AKIMSIZ NI B PTFE ILE NANOKOMPOZIT KAPLAMA UYGULAMASI MUSTAFA BAKKAL, ALI TANER KUZU, MAHMUT YILMAZ, ERAY CELIK, BERKAY YUCETURK, E IREM DURULMUS, FIKRET ERTURK
	0015: SICAKLIK DEGISIMININ POLIURETAN CARPISMA KUTULARININ DARBE PERFORMANSINA ETKISININ DENEYSEL OLARAK INCELENMESI MURAT REIS
	0068: USAGE OF THERMAL SPRAY COATINGS WITH MCALY CONTENT IN GAS TURBINE ENGINES FOR WEAR RESISTANCE MEHMET KILIC, DERSIS OZKAN, ABDULLAH CAHIT KARAOGLANLI
	0020: MATERIAL CHARACTERISTICS OF POROUS COPPER FOAMS FOR HEAT TRANSFER PERFORMANCE ASSESSMENT OZKAN KIREC, MELDA OZDINC CARPINLIOGLU
	0086: REMOVAL OF DYE POLLUTION BY MODIFIED HALLOYSITE CLAY AS ECO FRIENDLY ADSORBENT KINETIC STUDIES DAVUT LACIN, AYSE ZEHR AROGUZ
	0081: CONSISTENCY LIMITS OF CLAY WITH CRUSHED WASTE ASPHALT ALI FIRAT CABALAR

10.10.2019 – Thursday (16:45 – 18:15)	
Chair:	
HALL 2	0095: DESIGN OF A NEW REWINDING SYSTEM FOR CORELESS STRETCH FILM PRODUCTION HATICE NIDA CIVAN, HADI SAMET MUMCU, OSMAN YAYLA
	0141: THE EFFECT OF USING SILVER BLENDED YARNS ON THE ABRASION RESISTANCE PROPERTY OF WOVEN FABRICS ZEHRRA KAYNAR TASCI, Nihat CELIK
	0140: SPORTSWEAR FABRIC SELECTION FOR DIFFERENT WEATHER CONDITIONS USING AHP AND TOPSIS ANALYSIS BURAK SARI, NIDA OGLAKCIOGLU
	0129: BONCUKLANMA GORUNTULERININ ISLENMESINDE FARKLI FİLTRELERİN KULLANIMI ABDURRAHMAN TELLİ
	0093: INVESTIGATION OF YARN PROPERTIES FROM PRODUCED 100 RECYCLED POLYESTER R PET BY DIFFERENT SPINNING SYSTEMS ESIN SARIOGLU, EBRU CELIKTEN, OSMAN YAYLA, EYUP ALI SATIL
	0087: VUCUT SICAKLIGI UYARISI VEREBİLEN AKILLI SPOR TEKSTİL URUNU TASARIMI HALİL İBRAHİM CELİK, DİLEK ALICI, ESİLE GULSEVGI, ZEYNEP SENGUL, ELIF GULTEKİN
	0116: ORME KUMASLARA SIVRISINEK KOVUCU APRE UYGULAMASI FAZLI BULUT, KEYSER GUNAL, ESIN SARIOGLU, AHMET AGAC, SEYDA ACIKGOZ
	0088: A REVIEW STUDY ON SMART TEXTILE INNOVATIONS AND DEVELOPMENTS HALİL İBRAHİM CELİK, ABDULKADİR AGA, ELIF GULTEKİN, HATICE KUBRA KAYNAK

10.10.2019 – Thursday (16:45 – 18:15)	
Chair:	
HALL 3	0148: ELECTROPOLYMERIZED POLYANILINE FILMS FOR ELECTROCHROMIC AND SUPERCAPACITOR APPLICATIONS PERİHAN YILMAZ ERDOĞAN, ABDULCABBAR YAVUZ, NAİME ÖZDEMİR, HÜSEYİN ZENGİN
	0131: EFFECTS OF SOLVENT RATIO ON ELECTRICAL AND MORPHOLOGICAL PROPERTIES OF CARBON NANOFIBER FILLED POLYMER NANOCOMPOSITES AYSE TURGUT, HATICE AYLIN KARAHAN TOPRAKCI, OZAN TOPRAKCI
	0135: MECHANICAL PROPERTIES OF POLYPROPYLENE THERMOPLASTIC ELASTOMER BLENDS AYSE TURGUT, HATICE AYLIN KARAHAN TOPRAKCI, OZAN TOPRAKCI, HÜSEYİN CAĞDAS ASLAN
	0042: THE EFFECTS OF PUNCH SPEED ON THE FORGING LOAD OF HOT PRECISION BEVEL GEAR FORGING MEHMET ALADAG, OMER EYERCIOGLU, GULAGA TAS
	0130: TUNING THE PROPERTIES OF NANOCOMPOSITE FIBERS BY CONTROLLING THE SPINNING SOLUTION AND PROCESSING CONDITIONS HATICE AYLIN KARAHAN TOPRAKCI, AYSE TURGUT, OZAN TOPRAKCI, MUHSİNE ZORCAN
	0132: ELECTROSPUN POLYVINYLDENE FLUORIDE FIBERS HATICE AYLIN KARAHAN TOPRAKCI, OZAN TOPRAKCI

10.10.2019 – Thursday (16:45 – 18:15)	
Chair:	
HALL 4	0074: R GO TiO2 NANOKOMPOZİT KATALİZÖRÜNÜN KARAKTERİZASYONU VE SERTLİK ÖZELLİKLERİNİN İNCELENMESİ DERYA BİRHAN
	0126: PVA TiO2 NANOKOMPOZİTİNİN ÜRETİMİ KARAKTERİZASYONU VE ANTİBAKTERİYEL ÖZELLİKLERİNİN İNCELEMESİ DERYA TEKİN, DERYA BİRHAN, TANER TEKİN
	0014: GRAFİT KATKILI POLİPROPİLEN KOMPOZİTLERİN MEKANİK VE TRIBOLOJİK ÖZELLİKLERİNİN İNCELENMESİ SALİH HAKAN YETGİN, MURAT COLAK
	0142: EFFECT OF PVA BASED SIZING MATERIAL ON TENSILE AND FRICTIONAL PROPERTIES OF RING SIRO COMPACT AND COMPACT SIROSPUN YARNS MEMİK BUNYAMIN UZUMCU, TUBA BEDEZ UTE, PINAR CELİK, AYSEGÜL EKMEKÇİ KORLU, HÜSEYİN KADOĞLU
	0147: FARADAİC PROPERTIES OF NICKEL ELECTRODE IN AQUEOUS AND NON AQUEOUS ELECTROLYTE NAİME ÖZDEMİR, ABDULCABBAR YAVUZ, PERİHAN YILMAZ ERDOĞAN, HÜSEYİN ZENGİN
	0125: R GO TiO2 NANOKOMPOZİTİNİN ÜRETİMİ KARAKTERİZASYONU VE SERTLİK ÖZELLİKLERİNİN İNCELENMESİ DERYA TEKİN

SESSION III

11.10.2019 – Friday (09:00 – 10:30)	
Chair:	
HALL 1	0102: A STUDY ON THE EFFECT OF ROLLING RESISTANCE CHANGE ON ACCELERATION PERFORMANCE AND TRANSMISSION LOSSES IN AN ALL ELECTRIC PASSENGER VEHICLE MEHMET AKIF KUNT
	0099: DESIGN AND ANALYSIS OF MANHOLE COVER FOR TRAILERS ISMAIL BOGREKCI, PINAR DEMIRCIOLU, DECAN ALPARGUN, EMRE CEYLAN, KADIR BOZKURT
	0049: THE EFFECTS OF DESIGN PARAMETERS OF THE DIE SET AND WORKPIECE ON THE SPRING BACK CHARACTERISTIC IN U BENDING PROCESS OMER EYERCIOGLU, ALHAMDOOSH MOHSEN, MANLA AHMAD LUTFI
	0136: DESIGN AND PERFORMANCE EVALUATION OF A SELF COOLING CONCENTRATING PHOTOVOLTAICS SYSTEM SHOUKAT ALIM KHAN, YUSUF BICER, SAMI G AL GHAMDI, MUAMMER KOC
	0019: FABRICATION CHARACTERIZATION AND PERFORMANCE OF MIXED MATRIX WATER TREATMENT MEMBRANES MODIFIED WITH 2 D NANOMATERIALS AHMED ABDALA, OMNYA ABDALLA, ZAFAR GHOURI
	0115: BEHAVIOUR OF LASER BEAM CHARACTERISTICS IN DIFFERENT FLUIDS NECIP FAZIL YILMAZ, MUHAMMED PAKSOY, HAKAN CANDAR
	0083: ADSORPTION STUDIES OF CIBACRON BLUE ONTO BOTH UNTREATED AND CHEMICALLY TREATED PISTACHIO SHELL POWDER FROM AQUEOUS SOLUTIONS ABDULAZIZ KAYA

11.10.2019 – Friday (09:00 – 10:30)	
Chair:	
HALL 2	0076: AN EXPERIMENTAL INVESTIGATION ON THE CHARPY IMPACT RESPONSE OF GLASS EPOXY COMPOSITES AGED IN SEAWATER AHMET ERKLIG, ZEYNAL ABIDIN OGUZ, OMER YAVUZ BOZKURT
	0077: ON THE LOW VELOCITY IMPACT BEHAVIOUR OF HYDROTHERMALLY AGED GLASS EPOXY COMPOSITES AHMET ERKLIG, ZEYNAL ABIDIN OGUZ, OMER YAVUZ BOZKURT
	0122: EFFECT OF LOADING RATE ON FLEXURAL RESPONSE OF AERATED CONCRETE COMPOSITE BEAMS DERYA BAKBAK, AHMET EMIN KURTOGLU
	0157: EFFECT OF TRANSITION TEMPERATURE ON MECHANICAL PROPERTIES OF TIG WELDED AISI 304 PIPES NECIP FAZIL YILMAZ, MAHMUT FURKAN KALKAN, MUSA YILMAZ
	0065: EFFECT OF CHITOSAN AND PRINTING INKS ON THE PROPERTIES AND BIODEGRADABILITY OF BIOCOMPOSITE PACKAGING FILMS TUBA KAVAS AKARCA, NESRİN HORZUM
	0158: A STUDY ON PROCESS PARAMETER IN ADDITIVE MANUFACTURING MUSA YILMAZ, NECIP FAZIL YILMAZ, OMER EYERCIOGLU
	0167: MECHANICAL AND MICROSTRUCTURAL BEHAVIOR OF ALUMINUM MATERIALS REINFORCED WITH B4C NECIP FAZIL YILMAZ, MUSA YILMAZ, MAHMUT FURKAN KALKAN

11.10.2019 – Friday (09:00 – 10:30)	
Chair:	
HALL 3	0058: MECHANICAL PROPERTIES OF GRAPHENE NANO PLATES REINFORCED LDPE COMPOSITES TUGCE GUL POLAT, AHMET ERKLIG
	0006: CAM ELYAF TAKVİYELİ PA66 KOMPOZİTİN DESTEK PARÇASININ ENJEKSİYONLA ÜRETİMİNE KALIP SİCAKLIGININ ETKİSİ HUSEYİN UZUN, MUGE FILİZ
	0002: 8006 ALUMİNYUM ALASIMI MÜTFAK FOLYE ÜRETİMİNİN HADDELEME SÜRECİNDE OLUSAN HATALAR VE ANALİZİ HUSEYİN UZUN, OZGE AYAZ
	0127: USING OF MICROCAPSULES IN HOT MIX ASPHALTS FOR SELF HEALING ERKUT YALCIN, AHMET MUNİR ÖZDEMİR, MEHMET YILMAZ, BAHA VURAL KOK
	0096: EXPERIMENTAL INVESTIGATION OF THERMODYNAMICS BEHAVIOR OF A HEAVY VEHICLE AIR COMPRESSOR MURAT SÜKRÜ AYDINER, ERDEM UNUVAR, METE KALYONCU
	0030: DETERMINATION OF THE CRITICAL POINT ON SNIPER BARREL IN TERMS OF THE STRESS AND DEFORMATION CONCEPTS MEHMET HANIFI DOĞRU
	0007: POLİETİLEN FİLM YÜZEYİNİN REAKTİF GAZ ORTAMINDA FONKSİYONELLEŞTİRİLMESİ CELAL SOYLEMEZ, İLKER TÜRKMEN

11.10.2019 – Friday (09:00 – 10:30)	
Chair:	
HALL 4	0094: NADIR TOPRAK METAL HEKZOBORURLERLE KOMPOZIT OLUSTURULMASI CENGİZ BOZADA, MİKAIL ASLAN, HALİL İBRAHİM KURT, ZİHNİ ÖZTÜRK
	0038: NADIR TOPRAK METAL HEKZABORURLER HESAPLAMALI MALZEME BİLİMİ ÇALIŞMASI CENGİZ BOZADA, MİKAIL ASLAN
	0092: ÇOK YONLU TEKERLERE SAHİP BİR CATALI YÜKLEYİCİNİN HAREKET KONTROLÜNÜN DENEYSEL İNCELENMESİ MAHMUT CİMEN, METE KALYONCU
	0146: INVESTIGATION OF ASYMMETRIC SPUR GEARS FOR AEROSPACE APPLICATIONS BURAK SAHİN, NİHAT YILDIRIM, ABDULLAH AKPOLAT
	0152: EFFECT OF SLIDING CONDITION ON WEAR BEHAVIOR OF COMPOSITE MATERIALS EFE CETİN YILMAZ
	0041: NADIR TORAK METAL HEKZABORURLERİN KATALİZÖR OLARAK KULLANILMASI CENGİZ BOZADA, MİKAIL ASLAN

SESSION IV

11.10.2019 – Friday (10:45 – 12:15)	
SPECIAL R&D SESSION (DÖNÜŞÜM ÇAĞINDA AR-GE MERKEZLERİ)	
HALL 1	MODERATOR: ASSOC. PROF.DR. NECİP FAZİL YILMAZ
	DR. VERDA EMİROĞLU – DOĞUS TECHNOLOGY
	DR. METİN NİL – VESTEL R&D
	SERHAT KARADUMAN – ÇALIK DENİM
	PROF. DR. MUAMMER KOC – HAMAD BIN KHALIFA UNIVERSITY

INVITED SPEAKERS SESSION

11.10.2019 – Friday (14:00 – 14:30)	
HALL 1	DIFFERENT TECHNIQUES TO SYNTHESIS NONPOROUS STRUCTURES AND ITS APPLICATION IN SENSOR TECHNOLOGY Yousef HAIK

SPECIAL SESSION

11.10.2019 – Friday (14:30 – 15:00)	
HALL 1	ENTERPRISE EUROPE NETWORK (EEN) Prof. Dr. Ugur Cem Hasar, Muhammet Paksoy, Sina Ugurluer

SESSION V

11.10.2019 – Friday (15:15 – 16:45)	
Chair:	
HALL 1	0039: PRINCIPLES AND FINITE ELEMENT SIMULATION OF MULTI POINT FORMING TECHNOLOGY FOR SHEET METAL MAHMUT TANDOGAN, OMER EYERCIOGLU, MUSTAFA DULGER
	0028: ELECTROSPINNING OF PAN ZEOLITE COMPOSITE NANOFIBERS FUNDA CENGİZ CALLIOĞLU, HULYA KESİCİ GÜLER
	0040: ABRASIVE FLOW MACHINING OF FIBER EXTRUSION SPINNERET HOLES ADEM AKSOY, OMER EYERCIOGLU, KURSAD GOV
	0069: IMPACT RESPONSE OF THE CONTINUOUS FILAMENT POLYPROPYLENE E GLASS FIBER THERMOPLASTIC COMPOSITE HONEYCOMB CORE ULTRA LIGHTWEIGHT SANDWICH PANELS SERHAT OSMANOGLU, ALIHAN HAYIRKUS, OGUZHAN TAS, MURAT YAZICI
	0111: EFFECT OF SECONDARY AGING OF EN AC 43200 ALUMINUM ALLOY TO MECHANICAL PROPERTIES BEDRI BAKSAN, İBRAHİM CELİKYUREK, YUSUF KILIC
	0073: PVA TiO₂ NANOKOMPOZİTİNİN ÜRETİMİ KARAKTERİZASYONU VE ANTİBAKTERİYEL ÖZELLİKLERİNİN İNCELEMESİ DERYA BİRHAN
	0163: HİDROKSİAPATİT TOZ KATKILI ELEKTRİKSEL KIVILCIMLA İŞLENMİŞ Ti6Al4V ALASIMININ MİKROSERTLİK DEĞİŞİMLERİ YASİN EFE, NİHAL EKMEKÇİ

11.10.2019 – Friday (15:15 – 16:45)	
Chair:	
HALL 2	0005: MEMRISTOR BASED LOGIC OPERATIONS IN CROSSBAR SYSTEMS UFUK ASIL, ABDULLAH SEÇGİN
	0080: SEBEKE KALKISLI DAIMİ MİKNATISLI SENKRON MOTORUN SCADA TABANLI ONLINE DURUM İZLENMESİ VE RULMAN ARIZASI TESPİTİ SAADET GÜLSUM GOZUOĞLU, ZAFER DOĞAN
	0048: STATIC STRUCTURAL ANALYSIS OF A RC HELICOPTER TAIL ROTOR BURAK ÇİFTÇİOĞLU, İBRAHİM GOV, M HANIFI DOĞRU
	0165: U KESİTLİ PARÇALARDA İKİ FARKLI RADYÜSLE GERİ YAYLANMA TELAFİSİ TUGCE TURAN ABI
	0043: SPIRAL KAYNAKLI ÇELİK BORULARIN KOROZYONA KARŞI FBE KAPLAMALARIN TEST VE KARAKTERİZASYONU GOKHAN ÇİL, MAHMUT GEL
	0106: BOBİNLEME İŞLEMİNİN REJENERE LİF KARISIMLI İPLİKLERİN PERFORMANSI ÜZERİNDEKİ ETKİLERİNİN İNCELENMESİ ESİN SARIOĞLU, GÜLBİN FİDAN

11.10.2019 – Friday (15:15 – 16:45)	
Chair:	
HALL 3	0060: IMPACT OF LI CO RATIO ON LITHIUM ION BATTERY CATHODE PERFORMANCE ÖZLEM KAP, NESRİN HORZUM, MESUT ER
	0066: REMOVAL OF LEAD IONS FROM AQUEOUS SYSTEM USING ALGAE BASED NANOFIBER SORBENTS FATMA RABİA KARADUMAN, SANİYE TÜRK CULHA, NESRİN HORZUM
	0012: EFFECTS OF COLD METAL TRANSFER CMT WELDING PARAMETERS ON THE CLAD BEAD PROFILE RIZWAN KHALID
	0056: PRODUCTION OF SINOITE CERAMICS A NOVEL ONE STEP METHOD VIA SPARK PLASMA SINTERING ALPARSLAN ALİ BALTA, ARİFE YURDAKUL, ORKUN TUNÇKAN, SERVET TURAN, HİLMİ YURDAKUL
	0159: NUMERICAL AND EXPERIMENTAL STUDY OF DC04 SHEET METAL FORMABILITY HÜSEYİN VATANSEVER, TUNCAY KAMAS, HARUN GÜÇLÜ, MURAT YAZICI
	0123: THIN FILM MXENE METAMATERIAL ABSORBER FOR SOLAR CELL APPLICATIONS HÜSEYİN KORKMAZ, UĞUR CEM HAŞAR
	0063: BOILING HEAT TRANSFER PERFORMANCE ENHANCEMENT OF GRAPHENE CARBON NANOTUBE HYBRID NANOCOATING NURETTİN SEZER, YUSUF BİCER, MUAMMER KOC
	0064: BOILING HEAT TRANSFER PERFORMANCE ENHANCEMENT OF COLLOIDAL DISPERSION OF CARBON BLACK NURETTİN SEZER, YUSUF BİCER, MUAMMER KOC
	0145: BALLISTIC PERFORMANCE OF ULTRA HIGH STRENGTH ARMOR STEELS UNDER DIFFERENT CONDITIONS DOĞAN ACAR, BAHADIR HAKAN CANPOLAT, ERDAL USTA, OMER NECATİ CORA
	0168: COMPARISON BETWEEN DIMETHYL ETHER DME AMMONIA AND METHANOL AS LARGE SCALE ENERGY CARRIER AND STORAGE BASED ON BOIL OFF GAS MOHAMMED AL BREIKI, YUSUF BİCER

	0090: NUMERICAL AND EXPERIMENTAL STUDY OF DC04 SHEET METAL SPRINGBACK HUSEYIN VATANSEVER, TUNCAY KAMAS, MURAT YAZICI
	0143: SUSTAINABILITY STUDIES FOR TEXTILE INDUSTRY BURAK SARI, MEMIK BUNYAMIN UZUMCU
	0026: CONTROLLING THE STRUCTURE AND PERFORMANCE OF GRAPHENE OXIDE MEMBRANES ISHA ABBASI, NAFIA TASNEEM, ZAFAR GHOURI, KHALED ELSAID, AHMED ABDALA
	0022: SYNTHESIS AND CHARACTERIZATION OF HIGH PERFORMANCE ALUMINUM GRAPHENE NANOCOMPOSITES FOR LIGHT WEIGHT APPLICATIONS TOWARDS ENERGY EFFICIENCY GOALS SARA AHMED

11.10.2019 – Friday (15:15 – 16:45)

Chair:

HALL 4	0162: STABILIZATION OF CLAYEY SOIL WITH FLY ASH AND AUTOCLAVED AERATED CONCRETE UNDER FREEZING THAWING EFFECT FATİH YILMAZ, HAKAN ALPER KAMILOĞLU
	0161: EXPERIMENTAL ANALYTICAL AND NUMERICAL EXAMINATION OF ACTIVE FAILURE SURFACES OCCURRING BEHIND THE T TYPE CANTILEVER RETAINING WALL HAKAN ALPER KAMILOĞLU, EROL SADOĞLU, FATİH YILMAZ
	0155: CHARACTERIZATION OF FATTY ACID METHYL AND ETHYL ESTERS IN VIRGIN OLIVE OILS AS AFFECTED BY CULTIVAR SONGUL KESEN
	0154: DETERMINATION OF STEROL PROFILE OF SELECTED TURKISH OLIVE OILS USING GC FID SONGUL KESEN
	0105: COMPARISON OF FIVE DEVELOPED POWER CYCLES IN THE FRAME OF WASTE HEAT RECOVERY ALPEREN TOZLU, AYSEGUL ABUSOĞLU, EMRAH OZAHİ
	0103: AL MG AL2O3 KOMPOZİTLERİN YAPAY SINIR AĞLARI YAKLASIMI İLE POROZİTE İCERİGINİN ARASTIRILMASI HALİL İBRAHİM KURT, ENGIN ERGUL, NECİP FAZİL YILMAZ, MURAT ODUNCUOĞLU
	0040: ABRASIVE FLOW MACHINING OF FIBER EXTRUSION SPINNERET HOLES ADEM AKSOY, OMER EYERCIOĞLU, KURSAD GOV

SESSION VI

11.10.2019 – Friday (17:00 – 18:30)

Chair:

HALL 1	0119: DETERMINATION OF THE TEMPERATURE AND PH EFFECT ON THE FIBROIN BASED TISSUE SCAFFOLDS FORMATION NURAY EMİN, SALMA A TAHER MOHAMED
	0114: FEASIBILITY STUDY OF AUTONOMOUS FREIGHT PLATOONING PETER KAY, CERİ MORRIS, KAROLINA PAWLUCZAK ROCHA
	0153: EFFECT OF NANO SLICA WITH EPOXY RESIN BONDED SINGLE STRAP REPAIRS AHMET ERKLİG
	0043: SİRAL KAYNAKLI ÇELİK BORULARIN KOROZYONA KARSİ FBE KAPLAMALARIN TEST VE KARAKTERİZASYONU GOKHAN CİL, MAHMUT GEL
	0151: BİYO MALZEME OLARAK KULLANILAN TİTANYUM ALASINMLARININ ASINMA DAVRANISLARI BİR İNCELEME EFE CETİN YILMAZ
	0075: INVESTIGATION OF FRICTION AND WEAR PERFORMANCE OF PINE CONE POWDER ADDITIVE BRAKE PADS ADEM KURT, HALİL İBRAHİM TOFAN

11.10.2019 – Friday (17:00 – 18:30)

Chair:

HALL 2	0008: DETERMINATION OF WEIBULL COEFFICIENTS FOR HATAY REGION BY USING THE MOVING LEAST SQUARES APPROACH YUSUF ALPER KAPLAN, AYSE GUL KAPLAN
	0053: THE EFFECTS OF FLUX TYPE ON MECHANICAL AND MICROSTRUCTURAL PROPERTIES OF S235 STRUCTURAL STEEL BY SUBMERGED ARC WELDING AZIZ BARIS BASYIGIT, BUSRA SOLAK
	0104: BURSTING STRENGTH ANALYSIS OF KNITTED FABRICS FROM MULTIFILAMENT MICROFILAMENT CORE SPUN YARNS ESIN SARIOGLU, GULBIN FIDAN
	0156: USE FUZZY LOGIC APPROACH FOR VALUATION OF THE HOUSE ALI YASAR, ISMAIL SARITAS
	0062: THERMAL MANAGEMENT OF HIGH CONCENTRATING PHOTOVOLTAICS USING HYBRID MICRO NANO COATINGS USING NUCLEATE BOILING SHOUKAT ALIM KHAN, MUAMMER KOC, SAMI G ALGHAMDI

	0057: THERMAL MANAGEMENT OF HIGH CONCENTRATING PHOTOVOLTAICS USING HYBRID MICRO NANO COATINGS USING NUCLEATE BOILING FATHIMA FASMIN, AHMED SODIQ, MUTHUMEENAL ARUNACHALAM, FARIDA AIDOUDEI, BELABBES MERZOUGUI
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11.10.2019 – Friday (17:00 – 18:30)

Chair:

HALL 3	0164: ORGANIC RANKINE CYCLE DESIGN TEACHING SOFTWARE ALPEREN TOZLU, HAMID YILMAZ
	0150: ZIRKONYA İLE GÜÇLENDİRİLMİS LITHIUM SILICATE BIO SERAMİK MALZEMESİNİN FARKLI ASINMA MEKANİZMALARINDAKİ TRIBOLOJİK DAVRANISININ İNCELENMESİ EFE CETİN YILMAZ
	0084: EFFECT OF PVA BASED SIZING MATERIAL ON TENSILE AND FRICTIONAL PROPERTIES OF RING SIRO COMPACT AND COMPACT SIROSPUN YARNS EL HADJ RAOUACHE, FARES KHALFALLAH, ZAKARIA BOUMERZOUG, NEJAH JEMAL
	0082: THERMAL MODELING AND EXPERIMENTAL ANALYSIS OF FRICTION WELDED AA1100 ALUMINUM ALLOY WITH MILD STEEL FARES KHALFALLAH, ZAKARIA BOUMERZOUG, ELHADJ RAOUACHE, RAJAKUMAR SELVARAJAN
	0118: COMPARATIVE EVALUATION TO THE EFFECTS OF TISSUE SCAFFOLDING PRODUCTION METHODS OF SYNTHETIC AND NATURAL POLYMERS ON SCAFFOLD PROPERTIES NURAY EMIN, KIYMET NURAL
	0027: KINEMATIC ANALYSIS OF 3 DOF FLIGHT SIMULATOR EDİP ÖZTÜRK, KURSAD GÖV

11.10.2019 – Friday (17:00 – 18:30)

Chair:

HALL 4	0100: AL MGO KOMPOZİTLERİN ÜRETİMİ VE KAREKTERİSTİĞİ MIKAIL ASLAN, ABDULAZİZ KAYA, HALİL İBRAHİM KURT, NECİP FAZİL YILMAZ
	0001: AL2024 KOMPOZİTLERİN ASINMA KAREKTERİSTİĞİ ENGİN ERGÜL, HALİL İBRAHİM KURT, CAN CİVİ, GOKHAN EYİCİ
	0101: AL MG SIC KOMPOZİTLERİN GÖRÜNÜR YÜZLÜKLERİNİN TAGUCHİ ANALİZİ ABDULAZİZ KAYA, MIKAIL ASLAN, NECİP FAZİL YILMAZ, HALİL İBRAHİM KURT
	0023: SURFACE FINISHING OF AEROSPACE MATERIALS OSMAN SOYDAN, KURSAD GÖV, ÖMER EYERCİOĞLU
	0085: SIMULATION OF BEHAVIOR OF CARBON EPOXY AND GLASS EPOXY COMPOSITES UNDER THE DROP WEIGHT IMPACT EVENT EYUP YETER, MEHMET HANİFİ DOĞRU
	0024: MICRO HOLE DRILLING OF AEROSPACE MATERIALS AYKUT AKBULUT, KURSAD GÖV
	0031: INVESTIGATION OF THE BULLET IMPACT ENERGY PERFORMANCE ACCORDING TO VARIABLE TIP GEOMETRY MURAT SUBAŞI, MEHMET HANİFİ DOĞRU, EYUP YETER, NECİP FAZİL YILMAZ
	0025: USING NANO FIBERS FOR ACOUSTIC INSULATION IN AEROSPACE PARTS BİRKAN BAĞLAMA, KURSAD GÖV, EYUP YETER



GAZİANTEP ÜNİVERSİTESİ
MÂVERA
KONGRE VE SANAT MERKEZİ

