



8TH
INTERNATIONAL
ADVANCED TECHNOLOGIES
SYMPOSIUM

MATERIAL SCIENCE AND METALLURGY

19.10.2017 THURSDAY/PERŞEMBE

MATERIAL SCIENCE AND METALLURGY

HALL-A			HALL-I	
	ID No	ARTICLE TITLE	ID No	ARTICLE TITLE
CHAIR	Prof. Dr. Serdar SALMAN		CHAIR	Prof. Dr. Adem KURT
13.30-14.00	Invited Speaker Prof. Dr. Tahir I. KHAN		Invited Speaker Asst. Prof. Dr. Göksel DURKAYA	
14.00-14.15	153	Influence of α -Al ₂ O ₃ Seeding and Heat Treatment Temperature on the Properties of Sol-Gel Derived Alumina Powders Bediha Orbay, Azade Yelten, Suat Yılmaz*	107	Investigation of Montmorillonite Surface Properties Çiğdem Sarıcı Özdemir*
14.15-14.30	12	Microstructure and Wear Properties of WCCo Based Coating Produced by HVOF on Weldon 700 Steel Serkan Islak*, Ugur Caligulu, Vahdettin Koç, Cihan Özorak, Ebru Özorak	927	Development Of Composite Structures From Rachis Chicken Feather Müslüm Erol, Nazim Paşayev*
14.30-14.45	17	Processing of carbide cermets to fabricate graded hard materials Ali Özer*, Ummuhanı Hilal Özer, Yahya Kemal Tür	59	Effect of Parameters on Copper Recovery from Acidic Leach Solution by ACORGA M5640 M. K. Tanaydın*, N. Demirkıran
14.45-15.00	21	The Effect On The Metallurgical And Mechanical Properties Of The Welded Joints Of Root Pass Electrode Type Hakan Ada, Sinan Aksöz*, Alpay Özer, Özgecan Ergü Barlay	843	Usability of Gas Metal Arc Welding Method For Hardfacing With The Addition of Metal Powder Mehmet Eroglu*, Oktay Yiğit
15.00-15.20	COFFEE BREAK		COFFEE BREAK	
CHAIR	Prof. Dr. Şükrü TALAŞ		CHAIR	Prof. Dr. Ramazan KAÇAR
15.20-15.35	108	Examining Characterization Pine Cone and Dye Adsorption Çiğdem ÖZDEMİR*	49	Investigation of Compression Test Performances of Honeycomb Sandwich Composites Produced by 3D Printing Method Murat Yavuz Solmaz*, Eyüp Çelik
15.35-15.50	41	Determining Physical Properties of Gained Flame Retardant Feature on the Leathers by Tributyl Phosphate Chemical Safiye M. Açikel	932	The Size Effect of Copper Particles on the Friction Properties of Brake Lining Materials Banu Sugoçu, İbrahim Can*, Hanlar Bağirov
15.50-16.05	632	Investigation of In-situ Synthesized TiB ₂ Particles in Iron-based Hardfacings Using with Hybrid Submerged Arc Welding Technique and Submerged Arc Welding Powders Containing Ferrotitanium and Ferroboreon Mustafa Kaptanoğlu*, Mehmet Eroğlu	182	Hardness and microstructure properties of AlCu-B ₄ C/hBN hybrid composites



8TH
INTERNATIONAL
ADVANCED TECHNOLOGIES
SYMPOSIUM

MATERIAL SCIENCE AND METALLURGY

				Serkan Islak*, Khlad F.G. Awath, Ertuğrul Çelik, Ugur Caligulu, Cihan Özorak	
16.05-16.20	191	Mechanical Properties and Failure Behavior of Spot Welded DP600/TRIP800 Dissimilar Steel Couple in Different Thicknesses Ramazan Kaçar*, Khalid. Omer H. Marwan	196	The Effect on the Micro-Structure and Hardness of Adding Fe at Different Amounts to Tin-Bronze Produced by Mechanical Alloying Method Niyazi Yılmaz ÇOLAK, Doğan Simsek*	
16.20-16.35	60	Stripping of Copper from ACORGA M5640 Loaded with Copper Ions M.K. Tanaydın*, N. Demirkıran	436	Gamma-rays Shielding Behavior of a Novel Composite Material Prepared from Different Minerals and Paraffin Mehmet Erdem*, Ayhan Akkaş, Volkan Şimşek, Emin Güngör, K. Kadir Eriş	
16.35-16.50	176	Removing Ca ²⁺ From Borax Solutions Containing Ca ²⁺ M.M. Kocakerim*, M. Uğur , M.Çopur	1214	Mechanical Properties of Synthetic Hydroxyapatite Reinforced Expanded Perlite and In Vitro Behavior Erdoğan Karip*; Mehtap Muratoğlu	
20.10.2017 FRIDAY/CUMA					
HALL-A			HALL-I		
CHAIR	Prof. Dr. Yusuf ÖZÇATALBAŞ			CHAIR	Prof. Dr. Recep ÇALIN
08.30-08.45	67	Dissolution of Manganese Powder Obtained from the Waste Alkaline Batteries in Sulfuric Acid Solutions Gülstan Deniz, Turhan Özdemir*, Nizamettin Demirkıran	192	420 Paslanmaz Çeliklerin Kaynak Sonrası Hızlı Soğumaya Bağlı Mekanik, Reolojik ve Morfolojik Özelliklerindeki Değişimleri Mehmet Çakmakkaya*, Şükrü Talaş, H. Andaç Yasan, M. İskender Eroğlu	
08.45-09.00	194	Investigation of mechanical properties welded joints of dissimilar pressure steels B. Çiçek*, L. Elen, F. Yıldırım, E. Çete, M. Hıdıroğlu	190	Effect of CrNi coated electrodes on the properties of resistance spot welded DP600 steel Hayriye Ertek Emre, Batuhan Bozkurt, Ramazan Kaçar*, Şükrü Talaş	
09.00-09.15	83	Sinter Parçaların İşlenmesinde Kesme Parametrelerinin Talaş Morfolojisine Etkisi Nuray Beköz Üllen*, Shaker Mahmood Aswad Hasak, M. Hüsnü Dirikolu	221	Development Of Sound-Absorbing Materials From Chicken Feathers Nazim Paşayev*, Müslüm Erol	



8TH
INTERNATIONAL
ADVANCED TECHNOLOGIES
SYMPOSIUM

MATERIAL SCIENCE AND METALLURGY

09.15-09.30	233	Nanokil Katkılı Jüt ve Cam Fiber Takviyeli Kompozit Malzemelerde Düşen Ağırlık Darbe Davranışı Hasan Yavuz Ünal* , Yeliz Pekbey	355	Synthesis of Cr ₂ O ₃ from Turkish chromite concentrates via ethyl alcohol Serdar Aktaş* , Mehmet Hakan Morcalı
09.30-09.45	91	Synthesis and characterization of Al ₂ O ₃ Thin Film by using Atomic Layer Deposition T. Colak, I. Kupa, O. B. Ozkan* , Y. Unal, H. I. Efker, M. P. Gonullu, H. Ates	354	Synthesis of nano-sized Cr ₂ O ₃ from Turkish chromite concentrates using sodium borohydride Mehmet Hakan Morcalı* , Serdar Aktaş
09.45-10.00	351	Application of Response Surface Methodology for Synthesis of Polyaniline Film on ZnNiMo Alloy Coated Copper Surface Gul Ozyilmaz, Ibrahim Filazi* , Çağla Sürmelioglu, Ali Tuncay Ozyilmaz	92	Stress analysis of composite parts adhesively jointed with the embedded adhesive and single-strap patch joint under tensile load İsmail Sülü*
10.00-10.20	COFFEE BREAK		COFFEE BREAK	
CHAIR	Prof. Dr. Süleyman GÜNDÜZ		CHAIR	Prof. Dr. Nizamettin KAHRAMAN
10.20-10.35	188	The Effect of Cryogenic Treatment on Surface Roughness and Delamination Factor in the Drilling of CFRP Composite Ergün Ekici* , Ali Riza Motorcu	93	Preparation and Cytocompatibility of Sol-Gel Derived Alumina-Bovine Hydroxyapatite (BHA) Composite Powders Azade Yelten, Okşan Karal-Yilmaz, Gaye Çetinkaya, Suat Yılmaz*
10.35-10.50	791	Recent Piezoelectric Material Applications M. Altay* , A.Sürmen	237	Mechanical Properties of Nanoclay Containing Jute/Glass/Epoxy Composite Laminate Hasan Yavuz Ünal* , Yeliz Pekbey
10.50-11.05	248	AISI 8620 Çelik Malzemelerin Plazma Püskürtme Yöntemiyle Kaplanabilirliğinin Araştırılması Faruk Aktürkoğlu, Yakup Kaya* , Nizamettin Kahraman	343	A Quantitative Analysis of USA's Military Aid to Turkey During The Cold War Betül Buzbay Akdemir*
11.05-11.20	479	The Thermal Aging Effect on the Adhesively Patch Repaired Composite Plates Kadir Turan* , Baran Erkek	84	Toz Metal Parçaların İşlenmesinde Kesme Parametrelerinin Yüzey Pürüzlülüğüne Etkisi Nuray Beköz Üllen* , Shaker Mahmood Aswad Hasak, M. Hüsnü Dirikolu
11.20-11.35	856	DP800HF ve 1200M Çelik Sacların Elektrik Direnç Nokta Kaynağında Akım Şiddetinin Mikrosertliğe Etkisi Melih KEKİK, Nuri Akkaş, Uğur Özseraç, Volkan Onar* , Hacı Aslan, Salim Aslanlar	364	Microstructure and Mechanical Properties of Al ₂ O ₃ -B ₄ C Nanocomposite Produced By Mechanical Alloying and Hot Pressing Method Abdullah Karabacak* , Aykut Çanakçı, Serdar Özkaya, Ugur Caligulu



8TH
INTERNATIONAL
ADVANCED TECHNOLOGIES
SYMPOSIUM

MATERIAL SCIENCE AND METALLURGY

11.35-11.50	296	The Sea Water Effect on The Mechanical Properties of Composite Plates Kadir Turan* , İbrahim Nas	374	The Investigation of Large Deflection of Clamped-Free Beam via Iterative Differential Quadrature Method Zekeriya Girgin, Faruk Emre Aysal* , Hüseyin Bayrakçeken
11.50-13.30	LUNCH BREAK		LUNCH BREAK	
CHAIR	Prof. Dr. Sermin OZAN		CHAIR	Prof. Dr. Mustafa BOZ
13.30-13.45	371	The Investigation of Large Deflection of Clamped-Free Beam via Combining Method Zekeriya Girgin, Faruk Emre Aysal* , Hüseyin Bayrakçeken	365	Simulation of Flame Spray Pyrolysis Process for Nanomaterial Production Mustafi Alhaleeb, Nesrin E. Machin*
13.45-14.00	396	Usability Of Composite Materials In Fixed Bed Muhammed Onay* , Çiğdem Sarıcı Özdemir	366	Characterization and Mechanical Properties of Al2O24-SiC Nanocomposites fabricated by Mechanical Alloying Abdullah Karabacak* , Aykut Çanakçı, Temel Varol, Fatih Erdemir, Serdar Özkaya
14.00-14.15	628	A Study on Weldability of MIL-A-12560 Armor Steel by Gas Metal Arc Welding Method Sinan Aksöz* , Alpay Özer, Özgecan Barlay Ergü, Hakan Ada	341	The World's Iron and Steel Production and A Look at Turkey's Position Betül Buzbay Akdemir*
14.15-14.30	397	Applications Of Dye Adsorption In Fixed Bed Column And Modeling Studies Muhammed Onay* , Çiğdem Sarıcı Özdemir	393	Structural Investigation of (La0.8Gd0.2)0.85Ag0.15MnO3 Compound Ali Osman Ayaş* , Mustafa Akyol, Ahmet Ekicibil
14.30-14.45	834	Microhardness Behavior of In-Situ Magnesium / Pumice Composites with Different Reinforcement Contents Ertan Köseadağ* , Tarık Aydoğmuş	613	Effect of Scaffold Design on Mechanical and Biological Behavior of PLA Fabricated by Fused Deposition Modeling Mihrişül Altan* , Meltem Demirci, İbrahim Can Temiz
14.45-15.00	286	The Unusual Reinforcement Materials Used in Production of Magnesium Matrix In-Situ Composites and Usability of Pumice Ertan Köseadağ* , Tarık Aydoğmuş	401	The Effects of Chemical Composition and Microstructure on Cutting Forces and Surface Roughness of Steels Yusuf Özçatalbaş*
15.00-15.20	COFFEE BREAK		COFFEE BREAK	
CHAIR	Prof. Dr. Mehmet EROĞLU		CHAIR	Prof. Dr. Salim ASLANLAR
15.20-15.35	283	The Effect of Li Amount on the Microstructure and Wear Behaviours of Al-Zn-Mg Alloys Produced by Powder Metallurgy Method Musa Yıldırım* , Dursun Özyürek, İjlal Şimşek	535	Influence Of Ti And B Additions On Mechanical Properties Of 316 Stainless Steel Melik Çetin* , Talha Sunar



8TH
INTERNATIONAL
ADVANCED TECHNOLOGIES
SYMPOSIUM

MATERIAL SCIENCE AND METALLURGY

15.35-15.50	285	The Effect of Aging Temperature on the Wear Behaviours of AA7075 Alloy İjfal Şimşek*, Musa Yıldırım, Dursun Özyürek, Tansel Tunçay	420	Determining the Wear Resistance of Fe-Cr-C-B Hardfacing Coating by Ball-on-Disc Testing Hülya Durmuş, Nilay Çömez, Melis Yurddaşkal, Recep Uzun*
15.50-16.05	189	The Optimization of Drilling Parameters for Hole Diameter Dimensional Accuracy and Minimum Roundness in the Drilling of Al/10B4C/3Gr Hybrid Composites with the Cryogenically Treated HSS Drills Ali Rıza Motorcu*, Ergün Ekici	901	Electrical and Thermal Conductivity of Al-Zr Heat Resistance Overhead Line Conductor H. Erol*, E. Erol, O. Kahveci, H. Tecer, M. Gündüz
16.05-16.20	1083	Investigation Of Microstructure Properties Of Galvanized Steel And 6063-T6 Aluminum Alloy Steels With Cold Metal Transfer (Cmt) Method M. Ekici*, S. Aslanlar, U. Öz Saraç, H. Aslan	1178	Production and Properties of ZnO-Graphene Composite As a Result of Liquid Phase Exfoliation Process of ZnO and Expanded Graphite Together S.H. Güler*, Ö. Güler, M. Taşkın
16.20-16.35	1079	Investigation of Adhesive Wear Behavior of FeB-FeV-C Coatings Produced by GTAW Method Mehmet Yaz*	600	An Investigation on the Joint Performance of Wavy-lap Adhesive Joints Depending on the Taper Angles Murat Solmaz*, Selahattin Yıldırım
16.35-16.50	481	Effect of Diffusion Pressure on Combination of AISI 420 / AISI 4340 Steels By Diffusion Bonding Method Nida Katı*, Tülay Yıldız, Sermin Ozan, Haluk Kejanlı	1211	The Effect of Using Potato Starch as a Binder on the Pellet Strength of Cold-Hardened Pellets E. Arancı Öztürk*, B. Bostancı, Y. E. Benkli, M. Boyrazlı, Z. Çizmecioglu
21.10.2017 SATURDAY/CUMARTESİ				
	HALL-A			HALL-I
CHAIR	Prof. Dr. Ramazan KÖSE		CHAIR	Prof. Dr. Mustafa TAŞKIN
08.30-08.45	469	Investigation of Effect of Notch Direction on Fatigue Crack Propagation Behavior Nihal Yumak*, Kubilay Aslantaş	427	The Inhibitive Effect of a New Schiff Base Containing Pyrimidine Ring on Corrosion of Iron in HCl and H2SO4 Solutions Mehmet Gülcan*, Necla Çalışkan Kılıç, Eda Gokırmak Sogut, Metin Çelebi, Kadir Karakaş, Mehmet Sönmez
08.45-09.00	1154	Structural and optical properties of Nd ³⁺ doped BaTa ₂ O ₆ phosphor Mustafa İlhan*, Mete Kaan Ekmekçi, Zarif Çatalköy, Ramazan Samur	313	Ortasında Farklı Geometrik Şekillerde Delik Bulunan Tabakalı Kompozit Plakların Burkulma Analizi Mehmet Emin Deniz*
09.00-09.15	538	Wear mechanisms of WC-Co tool in dry machining of heat treated steels	857	Raylı Sistem Araçlarında Kullanılan SPA-C Çelik Saçların Elektrik Direnç Nokta Kaynağında Akım Şiddetinin Sertliğe Etkisi



8TH
INTERNATIONAL
ADVANCED TECHNOLOGIES
SYMPOSIUM

MATERIAL SCIENCE AND METALLURGY

		Yusuf Özçatalbaş*			N. Akkaş, M. Kekik, V. Onar*, H. Aslan, U. Özserağ, S. Aslanlar
09.15-09.30	325	The Effect of Copper Addition On Mechanical and Corrosion Properties of AA 1055 Aluminium Alloys Kadir Imamoglu*, Semih Özbey, Serdar Salman, H. Ozkan Gulsoy	513	The Effect of MAG and FCAW Methods on Microstructure and Impact Toughness of Multi-pass Welded Weldox 700 Tolga Mert*, Mustafa Tümer	
09.30-09.45	314	Kompozit Plakların Burkulma Davranışı Üzerine Delik Geometrisi ve Matriks Malzemesinin Etkisi Mehmet Emin Deniz*	1129	Photoluminescence Properties of ZrO ₂ nanoparticles co-doped with Dy ³⁺ and Yb ³⁺ Esra Yıldız*	
09.45-10.00	330	The Friction Welding Of The Pair Of Inconel 713c-Aısı 4140 Material Niyazi Çavuşoğlu*	609	Effect of Boron Contents on the Structural and Mechanical Properties of Al-12Si Alloy Ali Hekimoğlu*, Gizem Ayata	
10.00-10.20	COFFEE BREAK			COFFEE BREAK	
CHAIR	Prof. Dr. Ferhat GÜL			CHAIR	Assoc. Prof. Dr. Hakan ATEŞ
10.20-10.35	729	Mekanik Yüzey İşleminin Alüminyum Malzemenin Bazı Özelliklerine Etkisinin İncelenmesi Zehra Alkan*, Remzi Varol, Ramazan Selver	149	Examination of jointability of DIN 2391 steel materials with natural stone cutters Serdar Mercan*	
10.35-10.50	346	The Effects Of Cryogenic Treatment On The Wear Resistance Of Grey Cast Iron Brake Discs Gamze Yatkın*, Hakan Gaşan	1179	The Effect of TiO ₂ Doped on Characteristics of Zinc Oxide Carbon Nanotube Composite O. Basgoz, E. Evin, O. Guler*	
10.50-11.05	483	Effects of Graphite Addition on Microstructural and Dimensional Stabilities of Fe-Cu Alloys During Sintering Hatice Varol Özkavak*, Mehmet Fahri Saraç, Hüseyin Özkavak, Hasan Erdem Çamurlu	1221	The Effect of CMC Addition on Briquet Strength In Production of Cold Bonded Briquette With Iron Based Powders Bayram Bostancı*, Eren Cihangiroğlu, Mustafa Boyrazlı, Elif Arancı Öztürk	
11.05-11.20	511	An Investigation on the Wear Properties of Particulate Reinforced AA2014 Composites Produced by Vacuum Infiltration Method Onur Okur*, Naci Arda Tanış, Recep Çalın	1186	Boriding of Ferrous-Based Powder Metal Steels in Different Compositions N. Yılmaz*, A. Çalık	
11.20-11.35	489	The Production and Characterization of B4C and Graphene Nanoparticle Reinforced Fe Based Brake Materials	616	Dye sensitized solar cell applications on Cotton Fabric Serkan Yılmaz Yetkin, Halil İbrahim Yavuz*	



8TH
INTERNATIONAL
ADVANCED TECHNOLOGIES
SYMPOSIUM

MATERIAL SCIENCE AND METALLURGY

		Aykut Çanakçı* , Kürşat Alp Arpacı, Müslim Çelebi, Serdar Özkaya, Ugur Caligulu, Temel Varol		
11.35-11.50	495	The Effect of Cold Rolling on Micro and Nano Scale Surface Roughness of Zircaloy-4 S. Ağca* , G.Çankaya	618	Determination of milling parameters on particle size of colemanite mineral Sezai Kutuk*
11.50-13.30	LUNCH BREAK			LUNCH BREAK
CHAIR	Prof. Dr. Serdar Osman YILMAZ		CHAIR	Prof. Dr. Suat YILMAZ
13.30-13.45	497	Preventing Biofilm formation on Laser Treated Titanium Implants, 24h In Situ Arzu Erol*	698	The effect of production parameters on Al-Ni-Cu matrixed Ti-reinforced composite produced by mechanical alloying method Fatih Demir, Mustafa Okumuş*
13.45-14.00	503	Examination of the Ferrite Content in Welded Similar Austenitic Stainless Steels B. Cicek* , E. Cete , L. Elen , F. Yildirim , M. Hıdıroğlu	958	Investigation of the Effects of Cold Treatment on Wear Performance of AISI 8620 Carburized Steel Necati Uçak, Adem Çiçek* , Kuat Ayvalı , Semih Ağca , Sadettin Orhan
14.00-14.15	658	Effect of Cooling Rate on Microstructure and Hardness of Nodular Cast Iron Erdem Camurlu* , Eren Guner , Ugur Taskan	637	Electrochemical Corrosion Behavior of Ti and Ti-16Nb Alloy for Implant Application Eren Yılmaz* , Azim Gökçe , Fehim Fındık , Özkan Gülsoy
14.15-14.30	636	Characterization of UHTC materials based on ZrC/ZrB ₂ /SiC/Al ₂ O ₃ composite A. Atasoy* , B.Demir	470	Investigation of Overload Effect on Ti-6Al-4V Alloy Fatigue Crack Propagation Behavior Nihal Yumak* , Kubilay Aslantaş
14.30-14.45	529	QP İşleminin AISI 4140 Çeliğinin Aşınma Davranışına Etkisi Ferhat GÜL* , Emre Ersan	700	Characterization of a new formation produced from Al-based nanocrystalline powders Mustafa Okumuş* , Fatih Demir
14.45-15.00	410	Alüminyum Esaslı Almg5 Kaynak Telinin Alüminyum-Demir İntermetalik Bileşiklerinin Oluşumuna Etkisi Recep Uzun* , Nilay Çömez , Hülya Durmuş	931	Investigation of the Surface Roughness of the Retrieved Total Knee Implants N. Çakır , D. Karaman* , E. Bahçe , E. Emir , A. K. Aslan
15.00-15.20	COFFEE BREAK			COFFEE BREAK
CHAIR	Assoc. Prof. Dr. Uğur ÖZSARAÇ		CHAIR	Prof. Dr. Münir TAŞDEMİR
15.20-15.35	1064	Al Köpük Dolgulu İnce Duvarlı Al6061/B4C Profil Üretimi H. Karakoç* , S. Albayrak , H. Çinici , R. Çıtak	669	Stainless Steel and Low Carbon Steel Weldability with TIG Welding Method A. KURT* , S. Çetin , H. Avcı



8TH
INTERNATIONAL
ADVANCED TECHNOLOGIES
SYMPOSIUM

MATERIAL SCIENCE AND METALLURGY

15.35-15.50	640	Preparation of Single Phase CrSi Erdem Camurlu*, Filippo Maglia	1101	Investigation of Characterization of Powders in AM60 Powder Production by Gas Atomization Method Tayfun Çetin; Mehmet Akkaş*; Mustafa Boz	
15.50-16.05	537	Production of Open Cell Aluminum Foam by Vacuum Casting Method Melik Çetin*, Talha Sunar	555	Microstructural And Mechanical Characterization Of Dissimilar Metal Weld Between Hastelloy C-276 And Aisi 316l Austenitic Stainless Steel Mustafa Tümer*, Ş.Hakan Atapek, Z.Mithat Kerimak, Fatih Uluvar	
16.05-16.20	540	Basınçlı Döküm Kalıp Malzemelerinin Abrasif Aşınma Davranışı Üzerinde Isıl Faktörlerin Etkisi F. Gül*, M. Katmer	734	Fiber lazer kaynağı ile birleştirilen Ti-6Al-4V alaşımının mikrosertlik ve darbe tokluğuna lazer gücünün etkisi Ceyhan Köse*, Engin Karaca	
16.20-16.35	1173	The Investigation of Microstructures And Mechanical Properties of Cu Matrix Composite Materials Produced By Powder Metallurgy Method Using CrC Particulate Reinforced At Different Ratings M. Uzun*, U.A. Usca, M.M.Münis	1040	A comparative study of Laser and mechanically cut bimetal bandsaws made from M42 welded onto X42 carrier steel Şükrü Talaş*, Akın Bozkurt, Ersin Deniz	
16.35-16.50	961	Microstructure, hardness and morphological investigation of iron aluminides produced by a CA-PVD based diffusion process Erkan Kaçar*, Tuğba İpeksaç, Mustafa Ürgen	744	Pulsed Laser Welding Method In Overlap Welded Joints Of Titanium-Aluminum Alloy N. Çavuşoğlu, H. Özden*, N. Süleymanov	
22.10.2017 SUNDAY/PAZAR					
	HALL-A			HALL-I	
CHAIR	Assoc. Prof. Dr. Furkan SARSILMAZ		CHAIR	Assoc. Prof. Dr. Serkan ISLAK	
08.30-08.45	552	Pipework Structural Vibration Analysis at Pump Station in Crude Oil Transmission Pipelines Abdullah ŞAHİN*, Engin Ozdemir	933	Scaling effect on tensile properties of glass non-crimp fabric/epoxy composites Akın Ataş*, Fatih Balıkoğlu, Tayfur Kerem Demircioğlu, Oğuzcan İnal	
08.45-09.00	716	ANSYS Analyze of the Effect of Coating of Ti6Al7Nb Femoral Head with TiN/CrN/TiB2 on the Wear Properties A. K. Aslan, N. Çakır*, E. Bahçe, C.C. Turan, N. Ozdemir	394	Manufacturing Of Sandwich Plate With Carbon Fiber Core And Effect On Mechanical Properties Of Core Height Burak Kıyak*, Mete Kaman	



8TH
INTERNATIONAL
ADVANCED TECHNOLOGIES
SYMPOSIUM

MATERIAL SCIENCE AND METALLURGY

09.00-09.15	730	Seebeck Coefficient of Dually Doped Ca _{2.7} -xAg _{0.3} Ce _x Co ₄ O ₉ for High Temperature Applications Enes Kılınç* , Fatih Uysal , Mücahit Abdullah Sarı , Erdal Çelik , Hüseyin Kurt	548	Deposition and Characterization of Titanium Dioxide Thin Films by Ultrasonic Spray Pyrolysis Method Murat Kaleli* , A. B. Bayram , M. Pekeroğlu , M. Koç , S. Akyürekli , C. A. Yavru , E. Eren
09.15-09.30	731	Investigation of Characteristic Properties of Ag coated Ti-based Material by Cold Substrate Method İbrahim Buldu* , Vagif Nevruzoğlu , Zeynep Yeşil Duymuş , Murat Tomakin , Ercüment Yüzüak , Sabit Melih Ateş , Efe Yılmaz , Firas Süleyman	541	Dökümhanelerde Kum Kalıp Yapımı İçin Üç Boyutlu Yazım Teknolojisi Ferhat Gül* , Kutay Aydın , Arif Gök
09.30-09.45	1063	İnce Duvarlı Al Profil Köpük Üretimi ve Basma Davranışının İncelenmesi H. Karakoç* , A. Uzun , U. Gökmen , R. Çıtak	768	The Effects Of Cutting Speed Feed Rate And Angle Of Cutting On Surface Roughness In Cnc Turning Of Titanium Şükrü KARATAŞ* , Necmettin Taştan
09.45-10.00	1190	AISI D3 Takım Çeliklerinin Dik İşlem Merkezli CNC Freze Tezgahında İşlenmesinde Farklı Takım Yollarının İşleme Süresine Etkisi U.A. Usca , M. Uzun*	897	Effect of face sheet lay-up on the static behaviour of balanced and unbalanced sandwich beams with different span-to-depth ratios Fatih Balıkoğlu* , Tayfur Kerem Demircioğlu , Akın Ataş , Nurettin Arslan
10.00-10.20	COFFEE BREAK		COFFEE BREAK	
CHAIR	Assoc. Prof. Dr. Uğur ÇALIGÜLÜ		CHAIR	Assoc. Prof. Dr. Ali Kaya GÜR
10.20-10.35	1039	Elektrokimyasal Kaplama Yöntemiyle Bor-Karbür Takviyeli Ni-Co Kaplamaların Üretimi Yusuf Kayalı* , Demet Yavuz , Sukru Ulker , Sukru Talas , Fatih Çolak , Rıza Kara	1100	The Effect of Gas Pressure on AZ91 Powder Production by Gas Atomization Method M. Akkaş* ; T. Çetin ; M. Boz , B. Bostan
10.35-10.50	1042	Optimization of Leaching Conditions of Copper Slag Aslıhan Demiraslan , M. Deniz Turan* , Zeynel Abidin Sarı , Hasan Nizamoğlu	1017	Effect Of Hydrothermal Ageing On The Mechanical Properties Of Carbon Fiber Reinforced Nanocomposite Pipes Containing Carbon Nanotube And Boron Nitride Nanodisc M. Kara* , S. Ak
10.50-11.05	299	The Thermal Aging Effect on The Strength of Single Lap Jointed Composite Plates Kadir Turan* , Nazif Satı	736	Yapay vücut sıvısı içerisinde bekletilen lazer kaynaklı AISI 420 martenzitik paslanmaz çeliğin yüzey özelliklerinin incelenmesi Ceyhun Köse* , Ramazan Kaçar



8TH
INTERNATIONAL
ADVANCED TECHNOLOGIES
SYMPOSIUM

MATERIAL SCIENCE AND METALLURGY

11.05-11.20	251	Metal Sektöründe Son Yıllara Ait İş Kazası ve Meslek Hastalığı İstatistikleri Filiz Uz, İsmail Ünver, Yahya Bozkurt*	235	GTAW Yöntemi ile Oluşturulan FeB-FeV-C Kaplamalarının Adhesiv Aşınma Davranışının İncelenmesi Mehmet Yaz*
11.20-11.35	550	The Effect of Heat Treatment on the Aluminium Metal Foams Aykut Çanakçı*, Özgür Yasin Keskin, Serdar Özkaya	329	6061-T6 Alüminyum Alaşımı Levhaların Sürtünme Karıştırma Kaynak Yöntemiyle Birleştirilmesi A.Gündoğmuş*, N. Çavuşoğlu, S.Çelik, A.Oral
11.35-11.50	735	Solüsyon ve yaşlandırma ısıl işlemlerinin fiber lazer kaynağı ile birleştirilen Ti-6Al-4V alaşımının mikrosertlik ve darbe tokluğu özelliklerine etkisi Ceyhun Köse* Engin Karaca	828	Obtaining of Boron Nitride Films by CVD Method at Low Temperatures Kaan Soysal*, Kemal Arslan, Ömer Faruk Murathan
11.50-13.30	LUNCH BREAK			LUNCH BREAK
CHAIR	Assoc. Prof. Dr. Furkan SARSILMAZ		CHAIR	Assoc. Prof. Dr. Ayhan ORHAN
13.30-13.45	150	The Effect Of Heat Treatment On The Wear Behavior Of Ramor 500 Armor Steel Semih Taşkaya*, Nida Katı, Tülay Yıldız, Ali Kaya Gür	833	Comparison of TIG and MIG welded 5083 aluminum alloy Beril Ozcelik*, Serhat Kusmus
13.45-14.00	11	The Effect on the Microstructure and Mechanical Properties of Austempering Temperature in Austempered Ductile Cast Iron GGG40 Ugur Caligulu*, Serkan Islak, Aykut Canakci, Ugur Gencsoy, Remzi KALLI	254	The Negative Effects and Precautions of the Noise Exposed of the Employees in Forging Industry Yahya Bozkurt*, İsmail Ünver
14.00-14.15	1170	An optoelectronic sensor for Smart House Applications Ayşegül Dere*, Niyazi Özdemir	482	Effect of Diffusion Time on Combination of AISI 420 / AISI 4340 Steels by Diffusion Bonding Method Tülay Yıldız*, Nida Katı, Sermin Ozan
14.15-14.30	109	Improving Corrosion Resistance of Steel Wires with Magnesium Reinforced Zn-%5Al Alloy Coating and Observation of Microstructure Changes Teslime Ayman*, Ayhan Orhan	148	Investigation of Microstructure, Hardness Values and Compressive Strengths of SiC/Al Composites in Different Reinforcing Rates Produced by PM Method Yahya Hışman Çelik*, Erol Kılıçkap
14.30-14.45	61	Fatigue Behaviour of AISI 304 Austenitic Stainless Steel to AISI 1010 Low Carbon Steel Welded by CO2 Laser Beam Welding Ugur Caligulu, Mustafa Türkmen, Alpay ÖZER, Aydın ŞIK, Mustafa Taşkın*	831	Investigation of Adhesive Wear Behavior of FeB-FeCr-C Coatings Produced by GTAW Method Mehmet Yaz*, Zülküf Balalan, Serdar Osman Yılmaz



8TH
INTERNATIONAL
ADVANCED TECHNOLOGIES
SYMPOSIUM

MATERIAL SCIENCE AND METALLURGY

14.45-15.00	33	Plasma Transfer Arc Welding of Inconel 718 Superalloy O. Yiğit*, N. Özdemir, M.Y. Doğan	118	Properties of Galfan Coating Teslime Ayman*, Ayhan Orhan
15.00-15.20	COFFEE BREAK		COFFEE BREAK	
CHAIR	Assoc. Prof. Dr. Melik ÇETİN		CHAIR	
15.20-15.35	35	PTA welding of AISI 420 martensitic stainless steel by using AISI 316 filler metal O. Yiğit*, N. Özdemir, O. Mızrak		
15.35-15.50	1210	Effect of Using Cornflour on Pellet Strength in Cold Hardening Pellet Production Y. E. Benkli*, E. Arancı Öztürk, B. Bostancı, M. Boyrazlı, Z. Çizmecioglu		
15.50-16.05	1215	Investigate Of Sheep Hydroxyapatite Composites Reinforced with Expanded Perlite, P2O5, MgO and ZrO2 Mehtap Muratoğlu; Erdoğan Karip; Tuğçe Özcan*; Selin Baydemir		
16.05-16.20	1216	Production of Al and Al 6061 metal foam reinforced with expanded perlite, TiH2 Sezgin Aydın*; Erdoğan Karip; Mehtap Muratoğlu		
16.20-16.35	1169	Production of Nano-organic Semiconductor Materials for Battery Applications Ayşegül Dere*, Niyazi Özdemir		
16.35-16.50	32	Tungsten Inert Gas Welding of AZ30 Magnesium Alloy Oktay Yiğit*, Niyazi Özdemir, Tarık Selçuk Şeker		