

14 INTERNATIONAL METALLURGY & MATERIALS CONGRESS - FINAL PROGRAM

16 OCTOBER 2008 THURSDAY HALL 1		
09.00 - 10.30		REGISTRATION
11.00 - 12.30		OPENING CEREMONY
		İBRAHİM ANIL - Hannover Messe Ankiros Fuarçılık A.Ş.
		DR. ANDREAS GRUCHOW - Deutsche Messe A.G.
		DR. GUTTMANN HABIG - CECOF / CEMAFON / EUNITED
		PROF.DR. CÜNEYT ARSLAN - 14.Uluslararası Metalurji ve Malzeme Kongresi
		YAYLALI GÜNAY - Türkiye Döküm Sanayicileri Derneği
		CEMALETTİN KÜÇÜK - TMMOB Metalurji Mühendisleri Odası
		VEYSEL YAYAN - Demir ve Çelik Üreticileri Derneği
		KÜRŞAD TÜZMEN - T.C. Devlet Bakanı
BREAK		
16.30-18.30	PANEL	THE EFFECTS OF GLOBALIZATION ON TURKISH METALLURGY AND MATERIALS SECTOR
		PROF.DR. İSMAİL DUMAN - İstanbul Teknik Üniversitesi
		YAYLALI GÜNAY - Türkiye Döküm Sanayicileri Derneği
		MAHMUT KİPER - Türkiye Teknoloji Geliştirme Vakfı
		PROF.DR. AZİZ KONUKMAN - Gazi Üniversitesi
		BAHADIR ÖZER - Türkiye Alüminyum Sanayicileri Derneği

16 OCTOBER 2008 THURSDAY HALL 1		SESSION CHAIRMAN : TAYFUR ÖZTÜRK				
	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
13.00-13.40	Invited	SPD Processing for Grain Refinement : Modelling and Studies at Different Scale Levels	Igor V. Alexandrov	Ufa State Aviation Technical University	Russia	Materials and Design
13.40-14.00	K179	Effect of Equal Channel Angular Pressing (ECAP) and Subsequent Aging on the Mechanical Properties of 2024 Al-Alloy	Ebru Saraloğlu, Evren Tan, C.Hakan Gür	Orta Doğu Teknik Üniversitesi	Türkiye	Materials and Design
14.00-14.20	C048	Dynamic Recrystallization Investigation During Hot Deformation of Udimet 720 Nickel Base Superalloy	H. Monajati ¹ , M. Jahazi ² , P.H. Bocher ³ , S. Yue ⁴	Islamic Azad University of Najaf Abad, Aerospace manufacturing Technology Center, McGill University	Iran, Canada	Materials and Design
BREAK		SESSION CHAIRMAN : EYÜP SABRİ KAYALI				
14.40-15.00	K103	Effect of Alloying Element Additions on Order-Disorder Phase Transformation Temperatures in Fe-Al-X Intermetallics	Mehmet Yıldırım, Amdullah Mekhrabov, M.Vedat Akdeniz	Novalab, Orta Doğu Teknik Üniversitesi	Türkiye	Materials and Design
15.00-15.20	K072	High Temperature Wear Behaviour of High Cr-Ni Steels	Yavuz Sun ¹ , Hayrettin Ahlatçı ¹ , Hüseyin Çimenoglu ²	¹ Karabük Üniversitesi, ² Istanbul Teknik Üniversitesi	Türkiye	Materials and Design
15.20-15.40	C031	Influence of Acicular Ferrite Microstructure on Toughness of Double Submerged-Arc Weld Metal Deposits	Rrahim Maksuti ¹ , Hamit Mehmeti ² , Bajrush Bytyçi ¹ , Mursel Rama ¹	¹ University of Prishtina, ² State University of Tetova	Kosova, Macedonia	Materials and Design
		SESSION CHAIRMAN : CEVDET KAYNAK				

16 OCTOBER 2008 THURSDAY HALL 2						
	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
13.00-13.20	K186	Production of Al ₂ O ₃ Reinforced Aluminum Based Composite Materials and Investigation of Their Mechanical Properties	Vedat Şahin Ekinci ¹ , Cengiz Bağcı ² , Halil Arık ³	¹ Keşan Endüstri Meslek Lisesi, ² Bozok Üniversitesi, ³ Gazi Üniversitesi	Türkiye	Composite Materials
13.20-13.40	K163	Development of Armor Steels Throughout the Principles of Physical Metallurgy & Their Ballistic Performance	Şadi Karagöz ¹ , Hakan Atapek ¹ , Alpay Yılmaz ²	¹ Kocaeli Üniversitesi, ² Türk Kara Kuvvetleri	Türkiye	Composite Materials
BREAK		SESSION CHAIRMAN : C. HAKAN GÜR				
14.40-15.00	K224	The Effect Fiber Orientation on Flexure Strength and Fracture Morphology of Thermally Cycled Polymer Matrix Composites	Mustafa Özgür Bora ¹ , Onur Çoban ¹ , Tamer Sınmazçelik ² , Volkan Günay ²	¹ Kocaeli Üniversitesi, ² TÜBİTAK-MAM	Türkiye	Composite Materials
15.00-15.20	K140	Investigation of Wear Behaviour of Silicon Carbide Reinforced A380 Aluminum Matrix Composite under Dry Sliding Conditions and in Liquid Medium	Harun Mindivan ¹ , Eyüp Sabri Kayalı ² , Hüseyin Çimenoglu ²	¹ Atatürk Üniversitesi, ² Istanbul Teknik Üniversitesi	Türkiye	Composite Materials
15.20-15.40	K032	Effects of Mold Temperature, Initial Resin Temperature and Vacuum in Resin Transfer Molding	Eralp Akgul, Cevdet Kaynak, Nihat Ali Işırtman	Orta Doğu Teknik Üniversitesi	Türkiye	Composite Materials

17 OCTOBER 2008 FRIDAY HALL 1		SESSION CHAIRMAN : İSMAİL DUMAN				
	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
10.00-10.40	Invited	World Copper Industry and Turkey's Place	Ahmet Muhtar Tepiroğlu presented a paper instead of Hayrettin Çaycı	Sarkuysan Elektrolitik Bakır A.Ş.	Türkiye	Non-Ferrous Metallurgy
10.40-11.00	C057	Improvements in Copper Heap Leaching by Addition of Wetting Agents	A. Lützerath, Bernd Friedrich, M. Vest, H. Seelmann-Eggebert	IME RWTH Aachen University	Germany	Non-Ferrous Metallurgy
BREAK		SESSION CHAIRMAN : İBRAHİM YUSUFOĞLU				
11.20-11.40	K031	The Effect of Doping on Grain Size of Tungsten Powder Under Thermal Impact	İsmail Duman, Duygu Ağaogulları, Selim Ertürk, Kenan Eke	İstanbul Teknik Üniversitesi	Türkiye	Non-Ferrous Metallurgy
11.40-12.00	K011	Electrochemical Reduction of Tungsten Compounds to Tungsten	Metehan Erdoğan, İshak Karakaya, Tayfur Öztürk, Kadri Aydınol	Orta Doğu Teknik Üniversitesi	Türkiye	Non-Ferrous Metallurgy
12.00-12.20	K058	Electrolytical Cleaning and Diameter Reduction of Tungsten Filaments and Very Thin Wires in Continuous System	İsmail Duman, Duygu Ağaogulları, Selim Ertürk, Ahmet Işık Kunt	İstanbul Teknik Üniversitesi	Türkiye	Non-Ferrous Metallurgy
12.20-12.40	K160	The Synthesis of Aluminum Boride By Using Electrochemical Method	Güldem Kartal, Mehmet Efe Çakıroğlu, Servet Timur	İstanbul Teknik Üniversitesi	Türkiye	Non-Ferrous Metallurgy
BREAK		SESSION CHAIRMAN : SERVET TİMUR				
13.30-14.10	Invited	Vacuum Metallurgy : a Key Technology for High Tech Materials	Bernd Friedrich	IME RWTH Aachen University	Germany	Non-Ferrous Metallurgy
14.10-14.30	C058	Recovery of Magnesium and Salt from Black Dross by Vacuum Distillation	S. Akbari, Bernd Friedrich	IME RWTH Aachen University	Germany	Non-Ferrous Metallurgy
14.30-14.50	K159	Refined Magnesium Metal Ingot Production of Domestic Resource	Yeliz Demiray, Bora Derin, Onuralp Yücel	İstanbul Teknik Üniversitesi	Türkiye	Non-Ferrous Metallurgy
BREAK		SESSION CHAIRMAN : MÜZEYYEN MARŞOĞLU				
15.10-15.30	K193	Effect of Electrolyt Composition and Current Density on Alloy Composition at Production of Copper-Zinc Alloy Powder from Pyrophosphate Electrolytes	Gökçe Hapçı, Gökhan Orhan	İstanbul Üniversitesi	Türkiye	Non-Ferrous Metallurgy
15.30-15.50	K265	An Overview of the Conifrod Wire-Rod Plant in Sarkuysan : Modernization Activities&Results	Tolga Ediz, Sinan Selvi	Sarkuysan Elektrolitik Bakır A.Ş.	Türkiye	Non-Ferrous Metallurgy
15.50-16.10	K227	Thixotropic Feedstock Production For Etial 160 Alloy Via Thermomechanical Processing	Yücel Birol	TÜBİTAK-MAM	Türkiye	Non-Ferrous Metallurgy
16.10-16.30	K175	Preparation of RuO2/Ti Electrodes Via Thermal Decomposition Method: Effect of Coating Thickness on the Electrochemical Properties	Özgenur Kahvecioğlu, Servet Timur	İstanbul Teknik Üniversitesi	Türkiye	Non-Ferrous Metallurgy
BREAK		SESSION CHAIRMAN : MURAT SEZER				

16.50-17.10	K078	Evaluation of Cinkur Leach Residue by Recovering Zinc And Lead	Aydın Rüşen, Yavuz Topkaya	Orta Doğu Teknik Üniversitesi	Türkiye	Metallurgical Wastes and Environmental
17.10 - 17.30	K128	The Production of Pure Tungstenoxide From Tungsten Scraps	İsmail Duman, Sebahattin Gürmen, Selim Ertürk, Duygu Ağaoğulları	İstanbul Teknik Üniversitesi	Türkiye	Metallurgical Wastes and Environmental
17.30-17.50	K255	The Effective Way of Using Energy in Industry	Abdulkadir Özdebak	EVD Enerji Yönetimi ve Danışmanlık Hizmetleri	Türkiye	Metallurgical Wastes and Environmental

17 OCTOBER 2008 FRIDAY HALL 2		SESSION CHAIRMAN : FATİH ÜSTEL				
	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
10.00-10.20	K070	Carbon Nanotube – Reinforced Bioactive Ceramic Coatings on Metal – Based Implants Using Electrophoretic Deposition (EPD)	Cengiz Kaya ¹ , Figen Kaya ² , Cem Bülent Üstündağ ¹ , Inderjeet Singh, ³ Aldo R. Boccaccini ⁴	¹ Yıldız Teknik Üniversitesi, ² Zonguldak Karaelmas Üniversitesi, ³ Brunel Üniversitesi, ⁴ University College London	Türkiye, İngiltere	Powder Metallurgy, Biomaterials, Nanomaterials
10.20-10.40	K238	The Effect of Stirring Technique on Properties of Hydroxyapatite Powder Precipitated With Wet Chemical Synthesis	A.Binnaz Yoruç Hazar ¹ , Yeliz Koca ²	¹ Yıldız Teknik Üniversitesi, ² Gebze İleri Teknoloji Enstitüsü	Türkiye	Powder Metallurgy, Biomaterials, Nanomaterials
10.40-11.00	K033	Synthesis of Nanostructure Iron Particles in Spherical Morphology Via Ultrasonic Spray Pyrolysis and Hydrogen Reduction	Burçak Ebin, Sebahattin Gürmen	İstanbul Teknik Üniversitesi	Türkiye	Powder Metallurgy, Biomaterials, Nanomaterials
BREAK		SESSION CHAIRMAN : MACİT ÖZENBAŞ				
11.20-12.00	Invited	Nanomaterials and Concepts for Photovoltaics	Dr. Abdelilah Slaoui	European Materials Research Society	France	Powder Metallurgy, Biomaterials, Nanomaterials
12.00-12.20	K029	Production and Characterization of Iron Oxide Nanoparticles	Özge Acarbaş, Macit Özenbaş	Orta Doğu Teknik Üniversitesi	Türkiye	Powder Metallurgy, Biomaterials, Nanomaterials
12.20-12.40	K231	Fabrication of Polyacrylonitrile Nanofibers via Electrospinning	Aslıhan Süslü, Mehtap Özdemir, Erdal Çelik, Ümit Cöcen	Dokuz Eylül Üniversitesi	Türkiye	Powder Metallurgy, Biomaterials, Nanomaterials
BREAK		SESSION CHAIRMAN : LÜTFİ ÖVEÇOĞLU				
13.30-13.50	K060	Effects of B4C Addition on the Mechanical Properties of Hot Pressed SiC Ceramic Matrix Composites	Hasan Ögünç ¹ , Okan Addemir ¹ , M. Lütfi Öveçoğlu ¹ , Zeynep Keçeli ² , Tahsin Boyraz ³	¹ İstanbul Teknik Üniversitesi, ² Ford Otosan, ³ Cumhuriyet Üniversitesi	Türkiye	Powder Metallurgy, Biomaterials, Nanomaterials
13.50-14.10	K113	Synthesis of Morphologically Controlled Zinc Oxide Nanoparticles by Microemulsion Techniques	Özlem Altıntaş, Caner Durucan	Orta Doğu Teknik Üniversitesi	Türkiye	Powder Metallurgy, Biomaterials, Nanomaterials
14.10-14.30	K178	The Effect of Ferro – Boron on FeAl Intermetallics Produced by Pressure Assisted Combustion Synthesis	Özkan Özdemir, Nuri Ergin, Cuma Binal	Sakarya Üniversitesi	Türkiye	Powder Metallurgy, Biomaterials, Nanomaterials
14.30-14.50	K155	Process Parameters Optimizations of Ni-Al2O3 Nano Particle Reinforced Metal Matrix Composite (MMCs) Coatings Produced by Electrodeposition	Harun Gül, Fatih Kılıç, Serdar Aslan, Ahmet Alp, Hatem Akbulut	Sakarya Üniversitesi	Türkiye	Powder Metallurgy, Biomaterials, Nanomaterials
BREAK		SESSION CHAIRMAN : HAKAN SESİĞÜR				
15.10-15.30	K236	Production and Characterization of Soda-Lime Photosensitive Glasses	Arca İyiel ¹ , Süheyla Aydın ² , Onuralp Yücel ²	¹ Türkiye Şişe ve Cam Fabrikaları A.Ş., ² İstanbul Teknik Üniversitesi	Türkiye	Ceramics, Glasses, Refractories
15.30-15.50	K257	Investigation of Physical and Mechanical Properties of Alumina Coated Graphite Added Alumina Castable Refractories	Ersan Yılmaz ¹ , Yasemen Kutmen - Kalpaklı ² , Suat Yılmaz ¹	¹ İstanbul Üniversitesi, ² Yıldız Teknik Üniversitesi	Türkiye	Ceramics, Glasses, Refractories
15.50-16.10	K249	Investigation of the Whitening Effect of Marmor in Earthenware	Nuran Ay ¹ , Fazilet Ergöz ²	¹ Anadolu Üniversitesi, ² Güral Porselen	Türkiye	Ceramics, Glasses, Refractories
16.10-16.30	K235	The Investigation of Zirconia Mullite Based Castable Refractories for Glass Furnaces	Cemil Neşet, Ali Erçin Ersundu, Süheyla Aydın, Serdar Özgen	İstanbul Teknik Üniversitesi	Türkiye	Ceramics, Glasses, Refractories

BREAK		SESSION CHAIRMAN : GÖKHAN ORHAN				
16.50-17.10	K059	Mechanical Characterization of Aluminium Titanate/ Cordierite Ceramics	Hasan Gökçe ¹ , Tahsin Boyraz ² , Zeynep Keçeli ³ , M.Lütfi Öveçoğlu ¹ , Okan Addemir ⁴	¹ İstanbul Teknik Üniversitesi, ² Cumhuriyet Üniversitesi, ³ Ford Otosan Otomotiv Sanayi A.Ş.	Türkiye	Ceramics, Glasses, Refractories
17.10-17.30	K026	An Influence of TiO2 Addition on the Sinter Ability and Room Temperature Mechanical Properties of c-ZrO2 Ceramics Using as Solid Oxide Fuel Cell (SOFC)	Bülent Aktaş ¹ , Serdar Salman ¹ , Gültekin Küpeli ¹ , Süleyman Tekeli ²	¹ Marmara Üniversitesi, ² Gazi Üniversitesi	Türkiye	Ceramics, Glasses, Refractories
17.30-17.50	K052	Production of Boron Carbide by Self Propagating High Temperature Synthesis	Murat Alkan, C.Bora Derin, M.Şeref Sönmez, Onuralp Yücel	İstanbul Teknik Üniversitesi	Türkiye	Ceramics, Glasses, Refractories
17.50-18.10	K219	Evaluation of Fiber Added Clay-Kaolin Mixtures for the Use of Art Applications	Tuğba Uçar, Burak Özkal, İrfan Aydın	İstanbul Teknik Üniversitesi, Mimar Sinan Üniversitesi	Türkiye	Ceramics, Glasses, Refractories
18 OCTOBER 2008 SATURDAY HALL 1		SESSION CHAIRMAN : NİYAZİ ERUSLU				
	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
10.00-10.20	K158	Foundry Industry: The World and Turkey	Yusuf Ziya Kayır	KOSGEB Sincan İşletme Geliştirme Merkezi	Türkiye	Casting
10.20-10.40	C003	Zinc Cover Steel Scrap Utilization in Induction Furnaces	Carlos Cadarso	Euro-Equip.S.A.	Spain	Casting
10.40-11.00	C056	Porosity in Aluminium Alloy Castings	Derya Dışınar, Lars Arnberg	SINTEF Materials and Chemistry, NTNU	Norway	Casting
BREAK		SESSION CHAIRMAN : ALAATTİN A. ÖZYURT				
11.20-11.40	K116	Effect of Composition and Heat Treatment to Mechanical Properties on Cast Steels	Ahmet Ekerim, Aylin Altınbay, Nilüfer Evcimen	Yıldız Teknik Üniversitesi	Türkiye	Casting
11.40-12.00	K130	Effect of Tin on the Hardness of Flake Graphite Cast Iron	Savaş İzgiz		Türkiye	Casting
12.00-12.20	K191	The Effect of the Cooling Time to the Mechanical and Microstructural Properties of Spheroidal Graphite Iron Casting Parts	Yaylılı Günay, İlhan Baltacı, Bülent Şirin, Cemal Erbaş	Componenta Dökümcülük A.Ş.	Türkiye	Casting
12.20-12.40	K220	Evaluation of Waste Casting Sand	Günnur Ulusoy ¹ , Mehmet Ulusoy ¹ , M.Erhan İşkol ²	MTA ¹ , Erkunt Sanayi A.Ş. ²	Türkiye	Casting
BREAK		SESSION CHAIRMAN : SÜHEYLAY AYDIN				
13.30-13.50	K194	Should Turkey Produce Stainless Steel ?	Yusuf Ziya Kayır, Etem G. Baççıl	KOSGEB Sincan İşletme Geliştirme Merkezi	Türkiye	Iron and Steel Metallurgy
13.50-14.10	K133	Improvements in the Electrofiltering and Aspiration System of 3rd Blast Furnace Charge Facilities	Kamil Eken , Ali Uçar	İsdemir A.Ş.	Türkiye	Iron and Steel Metallurgy
14.10-14.30	K226	Forming of Steel Parts in the Semi – Solid State	Yücel Birol	TÜBİTAK-MAM	Türkiye	Iron and Steel Metallurgy

14.30-14.50	K247	The Investigation of Kinetic Properties Surface Properties of Boronized AISI 4140 Steel By Electrochemical Boronizing	Alp Ersöz ¹ , C.Fahir Arısoy ¹ , M.Kelami Şeşen ¹ , Gökhan Başman ²	¹ İstanbul Teknik Üniversitesi, ² Temsa Arge ve Teknoloji A.Ş.	Türkiye	Iron and Steel Metallurgy
BREAK						
15.30-17.30	PANEL	IRON AND STEEL INDUSTRY IN TURKEY AND IN THE WORLD CURRENT STATUS AND FUTURE PROSPECTS				
		VEYSEL YAYAN - Demir ve Çelik Üreticileri Derneği				
		ÇETİN KAYA - Ekinciler Demir ve Çelik A.Ş.				
		NECDET UTKANLAR - Diler Holding				
		M.UĞUR YILMAZ - İskenderun Demir ve Çelik A.Ş.				

18 OCTOBER 2008 SATURDAY HALL 2		SESSION CHAIRMAN : ONURALP YÜCEL				
	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
10.00-10.30	Invited	High-Speed and Low Temperature Synthesis of Alpha-Alumina by Laser Chemical Vapor Deposition for Cutting Tools	Prof.Dr. Takashi Goto	Tohoku University	Japan	Ceramics, Glasses, Refractories
10.30-10.50	K075	cBN Doped Tungsten Carbide/Cobalt Materials Sintered By Spark Plasma Sintering Method	Bilge Yaman ¹ , Hasan Mandal ²	¹ Osmangazi Üniversitesi, ² Anadolu Üniversitesi	Türkiye	Ceramics, Glasses, Refractories
10.50-11.10	K242	Spark Plasma Sintering of B ₄ C Powder	Filiz Şahin ¹ , Emre Özüdoğru ¹ , Bora Derin ¹ , Gültekin Göller ¹ , Onuralp Yücel ¹ , Masao Tokita ²	¹ İstanbul Teknik Üniversitesi, ² SPS Syntex Inc.	Türkiye, Japonya	Ceramics, Glasses, Refractories
BREAK		SESSION CHAIRMAN : BÜLENT ÖNAY				
11.20-11.40	K104	The Effects of Heat Treatment on Mechanical Properties and Microstructure of Thermal Barrier Coatings	Ekrem Altuncu ¹ , Fatih Üstel ²	¹ Kocaeli Üniversitesi, ² Sakarya Üniversitesi	Türkiye	Surface Treatment, Heat Treatment
11.40-12.00	K034	Pulse Plasma Nitriding of TRD Chromized Steels and Investigation of Their Wear Behaviours	İbrahim Güneş, Şükrü Taktak, Şükrü Ülker	Afyon Kocatepe Üniversitesi	Türkiye	Surface Treatment, Heat Treatment
12.00-12.20	K221	Boronizing of Camshafts in Liquid Medium	Ümit Çetinkaya, Mehmet Kul, Sedat Ürün	Cumhuriyet Üniversitesi	Türkiye	Surface Treatment, Heat Treatment
12.20-12.40	K230	Oxidation Behavior of Nb Containing Alloys	Esra Dokumacı, Bülent Önay	Dokuz Eylül Üniversitesi	Türkiye	Surface Treatment, Heat Treatment
BREAK		SESSION CHAIRMAN : BÜLENT ÖNAY				
13.30-14.10	Invited	Distortion Potential-A Systematic Way to Understand Dimensional and Shape Changes	Thomas Luebben	Foundation Institute of Materials Science	Germany	Surface Treatment, Heat Treatment
14.10-14.30	K182	3D FEM Simulation of Steel Quenching	Caner Şimşir, C.Hakan Gür	Orta Doğu Teknik Üniversitesi	Türkiye	Surface Treatment, Heat Treatment
14.30-14.50	K021	Optimising Atmosphere Circulation in Heat Treatment Furnaces	Thomas Mahlo ¹ , Paul Stratton ² , Mustafa Uğurtan ¹	¹ Linde Gaz A.Ş., ² BOC Gases	Türkiye, İngiltere	Surface Treatment, Heat Treatment
BREAK		SESSION CHAIRMAN : AHMET ÇAKIR				
15.10-15.30	K225	Formation and Characterization of CaP Coatings on 316L Stainless Steel Substrate by Electrochemical Pulse Technique	Necmiye Funda Ak Azem, Uğur Malayoğlu, Ahmet Çakır	Dokuz Eylül Üniversitesi	Türkiye	Surface Treatment, Heat Treatment
15.30-15.50	C036	Study of Some Surface Parameters of a PVD Titanium Film Deposited Upon an AISI 316L Stainless Steel	Younus El Hachi, Abderrahmane Daimellah, Fatah Hellal	National Polytechnic School	Algeria	Surface Treatment, Heat Treatment
15.50-16.10	K044	Effects of Bias Voltage on the Morphology of Magnesium Coatings Deposited on Ti6Al4V Substrates Via Cathodic Arc PVD	Gizem Oktay ¹ , Mustafa Ürgen ² , Ali Arslan Kaya ³	¹ TÜBİTAK-MAM, ² İstanbul Teknik Üniversitesi, ³ Muğla Üniversitesi	Türkiye	Surface Treatment, Heat Treatment
16.10-16.30	K082	Surface Modification of MG AZ91D Alloy by Micro – ARC Oxidation Process	Yakup Gönüllü, Miray Çelikkilek, Bilgehan Özkahraman, Selçuk Yılmaz, Kamber Macit, Samet Işık	İstanbul Teknik Üniversitesi	Türkiye	Surface Treatment, Heat Treatment

BREAK		SESSION CHAIRMAN : KÜRŞAT KAZMANLI				
16.50-17.10	C021	Effect of Substrate Grain Size on Phase Layers Growth Kinetics of Zinc Hot-Dipped Coatings	Hamed Asgari ^{1,2} , Fakhreddin Ashrafizadeh ^{1,2} , Mohammad Reza Toroghinejad ¹	¹ Isfahan University of Technology, ² Young Researchers Club	Iran	Surface Treatment, Heat Treatment
17.10-17.30	K205	Microstructural Characterization of Heat Affected Zone in the 2507 Super Duplex Stainless Steel Welds	Caner Batgün ¹ , Süha Tirkeç ¹ , Koray Yurtşik ²	¹ Orta Doğu Teknik Üniversitesi, ² GAMA Endüstri Tesisleri İmalat ve Montaj A.Ş.	Türkiye	Surface Treatment, Heat Treatment
17.30-17.50	K232	Correlation Between Microstructure and Mechanical Properties of Microalloyed Steels Containing Al-V and Nb-V	Onur Ertuğrul, Kazım Önel	Dokuz Eylül Üniversitesi	Türkiye	Surface Treatment, Heat Treatment
17.50-18.10	K150	The Investigation of Surface Properties of Heat Treated Ti6Al4V Alloys by Using Particle Erosion	Eyüp Akagündüz ¹ , Zafer Yücel ¹ , Tamer Sınmazçelik ² , Volkan Günay ¹	¹ TÜBİTAK-MAM, ² Kocaeli Üniversitesi	Türkiye	Surface Treatment, Heat Treatment
POSTER PROGRAMS						
NUMBER OF THE POSTER	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
MD05	C033	The Effect of Successive Repairs on the Weldment Quality of API 5L X 52 Steel Pipes	Bouzid Maamache ¹ , Youcef Yahmi ¹ , Halim Brahimi ²	¹ Welding and NDT Center, ² Blida University	Algeria	Materials and Design
MD06	C037	Theoretical Effect of Notch Size on Corrosion Fatigue Behaviour of an AISI 316L Austenitic Stainless Steel	Fatah Hellal ¹ , Hamid Sedjal ² , Lidya Rouibah ¹	¹ National Polytechnic School, ² University Maameri	Algeria	Materials and Design
MD07	C047	Removal of Lead from the Industrial and Synthetic Cu-Pb-Fe Alloy by Means of Argon Barbotage	Beata Oleksiak	Silesian Technical University	Poland	Materials and Design
MD09	K008	Determination of Powder Injection Moulding Parameters for Titanium Materials	Mustafa Türkmen, Hayrettin Ahlatcı, Mustafa Acarer, Şennur Candan, Ercan Candan	Karabük Üniversitesi	Türkiye	Materials and Design
MD10	K010	Effect of Contact Angle on Metallographic and Mechanical Properties in Pressure Resistance Butt Welding	Selim Yıldırım, Nuray Beköz	İstanbul Üniversitesi	Türkiye	Materials and Design
MD11	K016	Microstructure and Mechanical Properties of Austempered Ductile Iron Austempered From Intercritical Austenitizing Temperatures	İsmail Ovalı ¹ , Volkan Kılıç ² , Mehmet Erdoğan ²	¹ Hacettepe Üniversitesi, ² Gazi Üniversitesi,	Türkiye	Materials and Design
MD12	K017	The Influence of Cooling at Various Cooling Rates from Intercritical Austenitizing Temperatures on Microstructure and Mechanical Properties of Ductile Iron	Şahin Coşkun ¹ , Volkan Kılıç ² , Mehmet Erdoğan ²	¹ Orta Doğu Teknik Üniversitesi, ² Gazi Üniversitesi	Türkiye	Materials and Design
MD13	K091	The Effect of Shielding Gases on the Toughness of Stainless Steels Weldments	Ramazan Yılmaz, Sedat Abuç	Sakarya Üniversitesi, AKV Anadolu Meslek Lisesi	Türkiye	Materials and Design
MD14	K099	Simulation of Glass Forming Ability Ni-Al Based Multicomponent Alloy Systems	Nagehan Duman, Amdullah Mekhrabov, M.Vedat Akdeniz	Novalab, Orta Doğu Teknik Üniversitesi	Türkiye	Materials and Design
MD15	K100	Modelling of Glass Forming Ability of Fe-Al Based Alloy Systems	Mehmet Yıldırım, Amdullah Mekhrabov, M.Vedat Akdeniz	Novalab, Orta Doğu Teknik Üniversitesi	Türkiye	Materials and Design
MD16	K102	Prediction of Order-Order and Order-Disorder Transition Temperatures in A2BC- Type Full Heusler Alloys	Cem Topbaşı, Amdullah Mekhrabov, M.Vedat Akdeniz	Novalab, Orta Doğu Teknik Üniversitesi	Türkiye	Materials and Design
MD17	K105	Defects in Hot Rolling Process of Steel Sheets and ITS Prevention	Adem Bakkaloğlu, Melih Onursal, Fikret Yılmaz	Yıldız Teknik Üniversitesi, Star Çelik	Türkiye	Materials and Design

MD18	K107	Investigation of Adhesive Spot Weld Bonding of Interstitial Free Steel	Bilge Demir ¹ , Fatih Hayat ¹ , Salim Aslanlar ²	¹ Karabük Üniversitesi, ² Sakarya Üniversitesi	Türkiye	Materials and Design
MD21	K180	Effect of Dissimilar Channel Angular Pressing (DCAP) on the Mechanical Properties of 6061 Al-Alloy Strips	Göktürk Emre Uzunçakmak, Evren Tan, C.Hakan Gür	Orta Doğu Teknik Üniversitesi	Türkiye	Materials and Design
MD22	K208	Investigation of Mechanical Properties of Dual – Phase Steel Sheets Used in Automotive Industry	Serdar Aktaş ¹ , Uğur Öz Saraç ² , Salim Aslanlar ²	¹ Erciyes, ² Sakarya Üniversitesi	Türkiye	Materials and Design
MD23	K209	Investigation of Mechanical Properties of DH 36 Sheep Steel Sheets Welded by Various Welding Methods	Kadir Kurt ¹ , Uğur Öz Saraç ² , Salim Aslanlar ²	¹ Donanma Komutanlığı, ² Sakarya Üniversitesi	Türkiye	Materials and Design
MD24	K251	Characterization of Ultra-Fine Grained Steel Samples Produced by High Pressure Torsion Via Magnetic Barkhausen Noise Analysis	Sadık Bayramoğlu ¹ , C.Hakan Gür ¹ , Ruslan Z. Valiev ² , Igor Alexandrov ²	¹ Orta Doğu Teknik Üniversitesi, ² UFA State Aviation Technical University	Türkiye, Russia	Materials and Design
MD25	K259	Applications of Magnesium Alloys in the Automotive Industry	S.Alper Yeşilçubuk ¹ , Gökhan Başman ¹ , M.Kelami Şeşen ²	¹ Temsa Arge ve Teknoloji A.Ş., ² İstanbul Teknik Üniversitesi	Türkiye	Materials and Design
MD26	K263	Reducing the Unit Product Cost in High Pressure Die Casting by Optimising the Factors Which Shorten Die Life	Nazım Özkan Asan ¹ , Ahmet Topuz ² , Ali Bodur ³	¹ Tamçelik Isıl İşlem A.Ş., ² Yıldız Teknik Üniversitesi, ³ MAGMA GmbH	Türkiye	Materials and Design

NUMBER OF THE POSTER	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
NF01	C028	On the Role of both Salt Flux and Cold Pressing on Physical and Mechanical Properties of Aluminium Alloy Scraps	Ahmad Moloodi, Hosein Amini	Iranian Academic Center of Education Culture and Research	Iran	Non-Ferrous Metallurgy
NF02	C032	Development and Qualification of a Repair Procedure by TIG Welding of Gas Turbines Blades in Nickel Based Superalloys Inconel 738	Youcef Yahmi ¹ , Bouzid Maamache ¹ , Nouredine Abdelbaki ²	¹ Welding and NDT Center, ² Boumerdes University	Algeria	Non-Ferrous Metallurgy
NF04	C059	Applications for the Immersed Filter Centrifuge in Molten Metal and Slag Purification	C. Merkel, B. Friedrich	IME RWTH Aachen University	Germany	Non-Ferrous Metallurgy
NF05	C060	Removal of Titanium from Aluminium Melts by Gas Purging	B. Friedrich, U. Maiworm, C. Merkel	IME RWTH Aachen University	Germany	Non-Ferrous Metallurgy
NF06	K013	Ore Dressing of Manganese Ore by Chemical Process	Mehmet Kul	Cumhuriyet Üniversitesi	Türkiye	Non-Ferrous Metallurgy
NF07	K020	Optimization of the Operation Conditions in Tungsten Wire Draft Production	İsmail Duman, Selim Ertürk, Duygu Ağaogulları, Ali Ulus	İstanbul Teknik Üniversitesi	Türkiye	Non-Ferrous Metallurgy
NF08	K065	Investigation on the Carbothermic Reduction of Chromite Concentrate	Ahmet Atasoy ¹ , Frank R. Sale ²	¹ Sakarya Üniversitesi, ² Manchester University	Türkiye, İngiltere	Non-Ferrous Metallurgy
NF09	K076	Negative Effects of the Surface of Copper Bus Bars on Contact Performance and Solution Investigations	Selçuk Harput, Ayşe Gamze Onuk	Sarkuysan Elektrolitik Bakır A.Ş.	Türkiye	Non-Ferrous Metallurgy
NF10	K092	Welding of Monel Materials by GTAW and Their Impact Toughness	Ramazan Yılmaz, İhsani İpek	Sakarya Üniversitesi	Türkiye	Non-Ferrous Metallurgy
NF11	K098	Production of 150 cm Wide Magnesium AZ31 Alloy Sheet by Twin Roll Continuous Casting Technique	Özgür Duygulu ¹ , Selda Üçüncüoğlu ¹ , Gizem Oktay ¹ , Deniz Sultan Temur ¹ , Ali Arslan Kaya ²	¹ TÜBİTAK-MAM, ² Muğla Üniversitesi	Türkiye	Non-Ferrous Metallurgy

NF13	K171	The Effect of Mechanical Activation on Alumina Extraction From Diasporites	Kenan Yıldız, Ahmet Alp, Ebru Taşkın, Atilla Cebeci	Sakarya Üniversitesi	Türkiye	Non-Ferrous Metallurgy
NF14	K173	Extrusion Defects in the Hot Extruded Brass Alloys	Rahşan Gür Demirkır, Atilla Gürbüz, Mahmut A. Savaş, Baha Çakıroğlu	Pireks Bakır Alaşımları Sanayi Ticaret A.Ş.	Türkiye	Non-Ferrous Metallurgy
NF15	K176	Preparation of RuO ₂ /Ti Electrodes via Thermal Decomposition and Pechini Methods: Effect of Decomposition Temperature on the Electrochemical Properties	Özgenur Kahvecioğlu, Servet Timur	İstanbul Teknik Üniversitesi	Türkiye	Non-Ferrous Metallurgy
NF16	K192	Electrometallurgical Production of Copper-Tin Alloy Powder from Tripolyphosphate Electrolytes	Gizem Güzey, Gökhan Orhan	İstanbul Üniversitesi	Türkiye	Non-Ferrous Metallurgy
NF17	K197	Trace Element Scan of Au, Pt, Ir, by Naa Technique in Yozgat – Kadisehri Iron Ore	Okan Addemir ¹ , Cem Akarsu ¹ , Tahsin Boyraz ²	¹ İstanbul Teknik Üniversitesi, ² Cumhuriyet Üniversitesi	Türkiye	Non-Ferrous Metallurgy
NF18	K201	A Study on Recovery of Zinc from EAF Flue Dusts	Hakan Morcalı ¹ , Bora Derin ² , Adnan Aydın ¹ , Onuralp Yücel ²	Marmara Üniversitesi ¹ , İstanbul Teknik Üniversitesi ²	Türkiye	Non-Ferrous Metallurgy
NF19	K203	The Characterization of Decomposition Products of Ammonium Heptamolybdate Tetrahydrate and the Investigation of Its Decomposition Kinetics	Aliye Arabacı, İbrahim Yusufoglu, Kemal Can Kevser	İstanbul Üniversitesi	Türkiye	Non-Ferrous Metallurgy
NF21	K234	Ferromolybdenum Production by Aluminothermic Reduction	Murat Alkan, C.Bora Derin, Onuralp Yücel	İstanbul Teknik Üniversitesi	Türkiye	Non-Ferrous Metallurgy
NF22	K267	Cell Design from Copper Refining Electrolysis at High Current Densities	Burak Aksoylu, Sebahattin Gürmen, Gökhan Orhan, Cüneyt Arslan, İsmail Duman	İstanbul Teknik Üniversitesi	Türkiye	Non-Ferrous Metallurgy
NF23	K268	Preparation of Ceramic Mold, Process Design and Parameter Optimization for Titanium Casting	Özge Balcı, Özgün Küçükoglu, Oktay Çakar, GülDEM Kartal, Servet Timur	İstanbul Teknik Üniversitesi	Türkiye	Non-Ferrous Metallurgy

NUMBER OF THE POSTER	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
MWE01	K094	Recovery of Nickel by Solvent Extraction From Electroplating Rinse Bath Solution	Mehmet Kul	Cumhuriyet Üniversitesi	Türkiye	Metallurgical Wastes and Environmental
MWE02	K152	Removal of Magnesium and Boron from Chloride Containing Spent Liquors	Şeref Sönmez, Onuralp Yücel, Bora Derin, Murat Alkan	İstanbul Teknik Üniversitesi	Türkiye	Metallurgical Wastes and Environmental
MWE03	K216	The Parameters Which Effects Aluminum Recovery at Aluminum Dross Presses	Erol Turgut	Metamak Ltd.	Türkiye	Metallurgical Wastes and Environmental
MWE04	K256	Synthesis of Meixnerite Reducing CO ₂ Emission and Its Characterisation	Ozan YAZICI, Suat YILMAZ	İstanbul Üniversitesi	Türkiye	Metallurgical Wastes and Environmental
MWE05	K264	Defining Properties of Some Industrial Wastes as Useable Cement Raw Materials	Mehmet Serkan Kırız	Hacettepe Üniversitesi	Türkiye	Metallurgical Wastes and Environmental

NUMBER OF THE POSTER	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
----------------------	----------	--------------------	---------	-------------	---------	---------

PBN03	K030	Characterization of Nanostructured Magnetite Thin Films Produced by Sol-Gel Processing	Ali Erdem Eken, Macit Özenbaş	Orta Doğu Teknik Üniversitesi	Türkiye	Powder Metallurgy, Biomaterials, Nanomaterials
PBN04	K077	Microstructural Properties of Selected High Density W (90 wt %) - Ni-Cu Alloys	Necmettin Kaan Çalışkan ¹ , Kaan Pehlivanoglu ¹ , Şakir Bor ²	¹ TÜBİTAK-SAGE, ² Orta Doğu Teknik Üniversitesi	Türkiye	Powder Metallurgy, Biomaterials, Nanomaterials
PBN05	K080	Manufacturing of Open – Celled Stainless Steel Foams by Powder Metallurgy Methods	Halil Bakan	TÜBİTAK-MAM	Türkiye	Powder Metallurgy, Biomaterials, Nanomaterials
PBN06	K084	Surface Modification of Titanium Alloy by Micro Arc Oxidation	Hüseyin Çimenoglu, Mert Günyüz, Murat Baydoğan, Eyüp Sabri Kayah	İstanbul Teknik Üniversitesi	Türkiye	Powder Metallurgy, Biomaterials, Nanomaterials
PBN07	K087	Production of Metal Oxide Nanoparticles for Dye- Sensitized Solar Cells	Halil İbrahim Yavuz, Macit Özenbaş	Orta Doğu Teknik Üniversitesi	Türkiye	Powder Metallurgy, Biomaterials, Nanomaterials
PBN08	K088	The Effect of Chemical Composition on Fracture Toughness of Sintered Steel Produced by Powder Metallurgy	Ramazan Yılmaz, Özgür Özgün	Sakarya Üniversitesi	Türkiye	Powder Metallurgy, Biomaterials, Nanomaterials
PBN09	K089	The Effect of Molibdenum Addition on Wear Behaviour of Low Alloy Sintered Steel	Ramazan Yılmaz, Mesut Ramazan Ekici	Sakarya Üniversitesi	Türkiye	Powder Metallurgy, Biomaterials, Nanomaterials

NUMBER OF THE POSTER	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
CGR01	C017	X-Ray Studied of Boron Carbide Produced Via Mechanochemical Method at Low Temperature	Mehrdad Eftekhari, Reza Ebrahimi-Kahrizangi	Islamic Azad University of Najafabad	Iran	Ceramics, Glasses, Refractories
CGR02	K002	Effect of Ranking Selection on the Weibull Modulus Estimation	Derya Dışınar ² , Sebahattin Kırtay ¹	² SINTEF Materials and Chemistry, ¹ İstanbul Üniversitesi	Türkiye, Norveç	Ceramics, Glasses, Refractories
CGR03	K004	Coating of Glass with Various Ratios of SiO ₂ -TiO ₂ Solutions and Their Effect on Mechanical Properties and Wetting Angle	Sebahattin Kırtay ¹ , Enver Oktay ¹ , Volkan Günay ²	¹ İstanbul Üniversitesi, ² Tübitak-MAM	Türkiye	Ceramics, Glasses, Refractories
CGR04	K012	Effect of 0,5 mol % B ₂ O ₃ Addition on the Grain Growth of ZnO	Berat Yüksel, Tefik Osman Özkan	İstanbul Üniversitesi	Türkiye	Ceramics, Glasses, Refractories
CGR05	K027	Effect of TiO ₂ Addition on the Microstructural and Electrical Properties of Cubic Zirconia Using as a Electrolyte Material For Solide Oxide Fuel Cell	Bülent Aktaş ¹ , Serdar Salman ¹ , Süleyman Tekeli ²	¹ Marmara Üniversitesi, ² Gazi Üniversitesi	Türkiye	Ceramics, Glasses, Refractories
CGR06	K028	The Effect of Nb Doping on Dielectric and Ferroelectric Properties of PZT Thin Films Prepared by Solution Deposition	Volkan Kayasü, Macit Özenbaş	Orta Doğu Teknik Üniversitesi	Türkiye	Ceramics, Glasses, Refractories
CGR07	K047	Effect of Alkaline Earth Oxides on Carbothermic Formation of Hexagonal Boron Nitride	Hasan Erdem Çamurlu ¹ , Yavuz Topkaya ² , Naci Sevinç ²	¹ Akdeniz Üniversitesi, ² Orta Doğu Teknik Üniversitesi	Türkiye	Ceramics, Glasses, Refractories
CGR08	K048	Processing of WC-Co Cemented Carbides Via Pressure Assisted Sintering Methods	Filiz Şahin, Emre Özudođru, Onuralp Yücel	İstanbul Teknik Üniversitesi	Türkiye	Ceramics, Glasses, Refractories
CGR09	K049	Effect of Mechanical Activation on Mullite Formation in Systems of Alumina-Kaoline and Alumina- Quartz	Eda Elmas ¹ , Kenan Yıldız ² , Nil Toplan ² , H. Özkan Toplan ²	¹ Kaleseramik Çanakkale Kalebodur San, ² Sakarya Üniversitesi	Türkiye	Ceramics, Glasses, Refractories
CGR10	K096	SiC Reinforced Al ₂ O ₃ Ceramic Composites	Ediz Ercenk ¹ , Muhammet Öztürk ¹ , Şenol Yılmaz ¹ , Volkan Günay ²	¹ Sakarya Üniversitesi, ² TÜBİTAK-MAM	Türkiye	Ceramics, Glasses, Refractories

CGR11	K168	The Effects of Donor Doping on the Microstructural Properties in La+3 Doped BaTiO3	Burcu Ertuğ ¹ , Okan Addemir ¹ , Tahsin Boyraz ²	¹ İstanbul Teknik Üniversitesi, ² Cumhuriyet Üniversitesi	Türkiye	Ceramics, Glasses, Refractories
CGR12	K211	Examination of Microstructural and Mechanical Properties of Ceramics Materials Obtained by Sepiolite – Kaolinite and Phyllosilicate	Hasan Gökçe, Tuğba Uçar, Ahmet Umut Söyler, Cengiz Hamzaçebi, M.Lütfi Öveçoğlu, Burak Özkal	İstanbul Teknik Üniversitesi	Türkiye	Ceramics, Glasses, Refractories
CGR14	K241	Investigation of Oxidation Behavior of Y2O3 and / Or Sm2O3 Doped alfa – SiAlON Ceramics	Semra Kurama, Onur Eser, Gülcan Corapcıoğlu	Anadolu Üniversitesi	Türkiye	Ceramics, Glasses, Refractories
CGR15	K245	Infrared Transparent Materials and Advanced Manufacturing Technologies Employed in Dome / Window Applications in Infrared Guided Weapons	Mehmet Kaan Pehlivanoglu, Necmettin Kaan Çalışkan	TÜBİTAK-SAGE	Türkiye	Ceramics, Glasses, Refractories

NUMBER OF THE POSTER	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
CD01	C029	Assessing the Accuracy of Simulation of Gravity Casting Systems Using FDM and FEM	Ahmad Moloodi ¹ , Mohamma Reza Izadpanah ²	¹ Haram Academic Center for Education Culture and Research, ² Shahid Bahonar	Iran	Casting
CD02	C030	Assessing the Accuracy of SPH and FDM to Simulate the Die Filling Process in Gravity Die Casting	Ahmad Moloodi ¹ , Ramin Raiszadeh ²	¹ Haram Academic Center for Education Culture & Research, ² Shahid Bahonar University of	Iran	Casting
CD03	K005	The Use of MagmaSoft Software in Casting of Metals and Alloys	Derya Dışınar ¹ , Ali Bodur ² , Mustafa Erkelik ²	¹ SINTEF Materials and Chemistry, ² MagmaSoft Türkiye	Türkiye, Norveç	Casting
CD04	K007	Wear and Corrosion Behaviour of Hot Extruded Al-12Si-XMg Alloys	Hayrettin Ahlatcı	Karabük Üniversitesi	Türkiye	Casting
CD05	K067	Effect of Ultrasonic Treatment on Hypereutectic Al-Si Alloy Cast	Narin Ünal, B.Gürkan Düztepe, H.Erdem Çamurlu	Akdeniz Üniversitesi	Türkiye	Casting
CD06	K074	Determination of Slag Particles Final Locations in Casting by Casting Flow and Solidification Computer Simulation	Soner Özden Ertürk, Levent Cenk Kumruoğlu, Ahmet Özel	Sakarya Üniversitesi	Türkiye	Casting
CD07	K093	The Effect of Metal Temperature on the Mechanical Properties of 6063 Aluminum Alloy Produced by Vertical Continuous Casting Method	Koray Turbaloğlu ¹ , Ercan Candan ² , Yavuz Sun ²	¹ Eti Alüminyum A.Ş., ² Karabük Üniversitesi	Türkiye	Casting
CD08	K233	Influence of Si and Pb Additions To AZ91 Alloy on Abrasive Wear Behaviours	Ferhat Gül ¹ , Hasan Hasırcı ¹ , Mehmet Ünal ² , Yunus Türen ² , Ercan Candan ²	¹ Gazi Üniversitesi, ² Karabük Üniversitesi	Türkiye	Casting
CD09	K258	Physical Characterization of Foundry Bentonite From Georgia	Akın Odabaşı, Necip Ünlü, Levent Sezer, Cengiz Hamzaçebi, Filiz Çınar Şahin, Niyazi Eruslu	İstanbul Teknik Üniversitesi	Türkiye	Casting

NUMBER OF THE POSTER	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
IS01	K043	Inspection of the Stainless Steel Production with AOD Converter	Ahmet Metin Narin ¹ , Adem Bakkaloğlu ¹ , Can Akbaşıoğlu ²	¹ Yıldız Teknik Üniversitesi, ² Akmetal Metalurji	Türkiye	Iron and Steel Metallurgy
IS02	K071	Extraction of Ferroborene by Carbothermic Method	Mehmet Kul	Cumhuriyet Üniversitesi	Türkiye	Iron and Steel Metallurgy

IS03	K073	Extraction of Ferromanganese by Carbothermic Method	Mehmet Kul, Hakan Aydın, Ümit Çetinkaya	Cumhuriyet Üniversitesi	Türkiye	Iron and Steel Metallurgy
IS04	K206	Investigation of Cold – Bonded Composite Pellet Production by Organic Binder	Yunus Emre Benklî ¹ , Mustafa Boyrazlı ¹ , Volkan Avdallar ¹ , Zeki Çizmeciöğlü ¹ , Recep Artır ²	¹ Yıldız Teknik Üniversitesi, ² Marmara Üniversitesi	Türkiye	Iron and Steel Metallurgy

NUMBER OF THE POSTER	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
SHT03	C052	Effect of Force Variations in Skin Pass Rolling Process on Texture, Corrosion Behaviour and Roughness of Zinc Hot-Dipped Coatings	Hamed Asgari ¹ , Amir Reza Bakhtiari ¹ , Mohammad Reza Toroghinejad ¹ , Fakhreddin Ashrafizadeh ¹ , Keyvan Rezaei ¹	¹ Isfahan University of Technology, ² Young Researchers Club	Iran	Surface Treatment, Heat Treatment
SHT04	C054	Evaluation of Texture and Grain Size of Nano-Grained Copper Produced by ARB Process	Mahnoosh Shaarbaf, Mohammad Reza Toroghinejad	Isfahan University of Technology	Iran	Surface Treatment, Heat Treatment
SHT05	K009	Effect of Thermal Oxidation on Corrosion Behaviour of Titanium Materials Produced by Powder Injection Moulding Process	Mustafa Türkmen, Hayrettin Ahlatcı, Şennur Candan, Ercan Candan	Karabük Üniversitesi	Türkiye	Surface Treatment, Heat Treatment
SHT06	K018	Corrosion in Automobile Shock Absorbers	Aliye Arabacı	İstanbul Üniversitesi	Türkiye	Surface Treatment, Heat Treatment
SHT07	K022	Cryogenic Processing	Paul Stratton ¹ , Mustafa Uğurtan ²	¹ BOC Gases, ² Linde Gaz A.Ş.	Türkiye, İngiltere	Surface Treatment, Heat Treatment
SHT08	K051	Pulsed Plasma Nitriding of AISI 52100 Steel and Its Tribological Properties	Şükrü Ülker, Şükrü Taktak, İbrahim Güneş	Afyon Kocatepe Üniversitesi	Türkiye	Surface Treatment, Heat Treatment
SHT09	K061	Investigation of Thermo Cycle Treatment of AISI 1040 Steel Modified by Electrolytic Plasma Technique	L.Cenk Kumruoğlu, D.Alexander Becerik, Ahmet Özel, Abdullah Mimaroglu	Sakarya Üniversitesi	Türkiye	Surface Treatment, Heat Treatment
SHT10	K062	Investigation of Thermo Cycle Treatment of AISI 4140 Steel Modified by Plasma Electrolytic Surface Modification Technique	L.Cenk Kumruoğlu, Aysun Ayday, Can Kurnaz, Ahmet Özel	Sakarya Üniversitesi	Türkiye	Surface Treatment, Heat Treatment
SHT11	K079	YSZ/Al ₂ O ₃ Plasma Powder Production to Produce Thermal Barrier Coatings	Nil Toplan, Ufuk Saral	Sakarya Üniversitesi	Türkiye	Surface Treatment, Heat Treatment
SHT12	K081	The Effect of the Alumina Addition on the Thermal Shock Behaviour of YSZ the Thermal Barrier Coatings	Ufuk Saral, Fatih Üstel, Nil Toplan	Sakarya Üniversitesi	Türkiye	Surface Treatment, Heat Treatment
SHT14	K124	The Effect of Micro Arc Oxidation Processing Parameters to the Surface Properties of Aluminum Alloy	Murat Baydoğan, İsa Metin Özkara	İstanbul Teknik Üniversitesi	Türkiye	Surface Treatment, Heat Treatment
SHT15	K136	Wear Behavior of AISI 52100 Steel Against VC Coated AISI 52100 Steel	Murat Uzun, Şaduman Şen, Uğur Şen	Sakarya Üniversitesi	Türkiye	Surface Treatment, Heat Treatment
SHT16	K181	Monitoring the Residual Stress State in the Shot-Peened Steel Components by Magnetic Barkhausen Noise Method	Serdar Savaş, C.Hakan Gür	Orta Doğu Teknik Üniversitesi	Türkiye	Surface Treatment, Heat Treatment
SHT17	K196	Quench and Temper Applications for Alloy- and Carbon-Steels	Mehmet Çakıcı	Asil Çelik Sanayi ve Ticaret A.Ş.	Türkiye	Surface Treatment, Heat Treatment
SHT18	K198	Effects of Welding on the Mechanical Properties of Al-Zn-Mg Alloys	Caner Batgün, Süha Tirkes, Mert Akkuş	Orta Doğu Teknik Üniversitesi	Türkiye	Surface Treatment, Heat Treatment

SHT19	K200	Determination of the Hot Cracking Tendency of 7075 Aluminum Alloy During Welding Using the Circular Patch Test	Murat Tolga Ertürk, Süha Tirkeş, Caner Batgün	Orta Doğu Teknik Üniversitesi	Türkiye	Surface Treatment, Heat Treatment
SHT20	K212	Aluminide Coating of AISI 1010 by Pack Aluminizing Method	Eren Yılmaz, Ediz Erceenk, Şaduman Şen, Uğur Şen	Sakarya Üniversitesi	Türkiye	Surface Treatment, Heat Treatment
SHT21	K223	Effects of Boronizing and Normalizing Heat Treatment on the Adhesive Wear Behaviour of AISI 4140 Steel	Hasan Hasırcı, Mehmet Tabur, Ferhat Gül, Mahmut İzçiler	Gazi Üniversitesi	Türkiye	Surface Treatment, Heat Treatment
SHT22	K246	Boron Coating of Low-Alloy Steels and Determination of Wear Resistance	Serdar Osman Yılmaz, Macit Özenbaş	Fırat Üniversitesi, Orta Doğu Teknik Üniversitesi	Türkiye	Surface Treatment, Heat Treatment

NUMBER OF THE POSTER	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
OH01	C004	A Research on the Utilization of Powder Metallurgy for Production of Compressor Body	Yadullah Babayev, Mustafa Akdağ	Qafqaz University	Azerbaycan	Other
OH04	C039	Research on Possible Use of the Ferronickel Electrical Furnaces' Slag for Production of Construction Materials	N.A. Murati ¹ , M. Rizaj ¹ , E. Beqiri ¹ , I. Ibrahim ² ,	¹ University of Prishtina, ² Ministry of Industry and Trade	Kosova	Other
OH06	C045	Prediction of Enthalpies of Formation of Binary Transition Metal Alloys	Hadda Krarcha, Aissa Belgacem Bouzida, Salima Messaadi	University of Batna	Algeria	Other
OH07	K068	Investigation of Twin Behaviour in a Gas Turbine Part Which Was Produced by Inconel 617	Hüseyin Aydın, Havva Kazdal Zeytin, Ceylan Kubilay, Bilal Teymur	TÜBİTAK-MAM	Türkiye	Other
OH08	K127	Production of Boron Trichloride from Boron Carbide	Duygu Ağaogulları, İsmail Duman	İstanbul Teknik Üniversitesi	Türkiye	Other
OH09	K141	Optimization of Particle Addition Conditions in Production of Al-B4C Composites by Casting Route	Fatih Toptan, Ayfer Kılıçarslan, Ahmet Karaaslan, Mustafa Çiğdem, Işıl Kerti	Yıldız Teknik Üniversitesi	Türkiye	Diğer
OH10	K148	The Effect of Fiber Orientations on Viscoelastic Properties in Polymer Matrix Composites Which Are Subjected to Thermal Cycles	Mustafa Özgür Bora ¹ , Onur Çoban ¹ , Tamer Sınmazçelik ² , Volkan Günay ²	¹ Kocaeli Üniversitesi, ² TÜBİTAK-MAM	Türkiye	Other
OH11	K149	The Effect of Fiber Orientation on Scratch Resistance in Thermally Cycled Polymer Matrix Composites	Mustafa Özgür Bora ¹ , Onur Çoban ¹ , Zafer Yücel ² , Tamer Sınmazçelik ² , Volkan Günay ²	¹ Kocaeli Üniversitesi, ² TÜBİTAK-MAM	Türkiye	Other
OH12	K154	Revealing the Grain Structure of Martensitic Microstructure Steels by Chemical Etching Methods	Havva Kazdal Zeytin, Bilal Teymur, Adem Deniz, Hüseyin Aydın	TÜBİTAK-MAM	Türkiye	Other
OH13	K162	Electro-metallographical Examinations on Electrolytically Etched Nb Added High Speed Tool Steel	Şadi Karagöz, Hakan Atapek, Emincan Sertcan	Kocaeli Üniversitesi	Türkiye	Other
OH14	K261	Historical Development of Metallurgy	Hamdullah Çuvalcı ¹ , Aykut Çanakçı ¹ , Fazlı Arslan ¹ , Necip Ünlü ²	¹ Karadeniz Teknik Üniversitesi, ² İstanbul Teknik Üniversitesi	Türkiye	Other
OH15	K266	The Optical Behavior of ZnO Films Against the Radiation	O. Ozdemir ¹ , Hüseyin Çimenoglu ¹ , G. Albayrak ² , B. Tuğrul ¹ , N. Altınsoy ¹ , Murat Baydoğan ¹ , H. Sengel ¹ , F.	¹ İstanbul Teknik Üniversitesi, ² Şişecam	Türkiye	Other