

13 INTERNATIONAL METALLURGY & MATERIALS CONGRESS - REEL PROGRAM

09 NOVEMBER 2006 THURSDAY HALL 1

09.00	REGISTRATION					
10.30 - 12.00	OPENING CEREMONY					
12.30	FAIRS OPENING					
BREAK						
	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
13.30-14.10	Invited	Analysis of Strengthening Mechanisms in Al Alloys	Prof.Dr. David Embury	McMaster University	Canada	Non-Ferrous Metallurgy
14.10-14.30	K159	Deformation Mechanisms of Magnesium Alloy AZ31B Sheet	Özgür Duygulu	TÜBİTAK-MAM	Türkiye	Non-Ferrous Metallurgy
14.30-14.50	K227	Management of Material Properties in Aluminum Plate Production by Twin-Roll Casting	Murat Dündar	Assan Aluminium A.Ş.	Türkiye	Non-Ferrous Metallurgy
BREAK						
15.10-15.50	Invited	Copper Electrorefining – State of the Art and Perspectives for the Future	Prof.Dr. Michael Stelter	Institute for Nonferrous Metallurgy and Purest Materials	Germany	Non-Ferrous Metallurgy
15.50-16.10	K254	Direct Synthesis of Mg-Ni Alloys From Their Oxides via Electrochemical Deoxidation	Serdar Tan, Tayfur Öztürk, Kadri Aydınol, İshak Karakaya	Middle East Technical University	Türkiye	Non-Ferrous Metallurgy
16.10-16.30	K290	Effect of Catholyte Flowrate on Current Efficiency of Electrolytic Chromium Production from Synthetic Cr-Alum Solutions	A.Gamze Onuk, Sebahattin Gürmen, Cüneyt Arslan	İstanbul Technical University	Türkiye	Non-Ferrous Metallurgy
BREAK						
16.50-17.30	Invited	Development of New Structural Materials for Hydrogen Economy	Prof.Dr. Dan Eliezer	Ben Gurion University Of The Negev	Israel	Non-Ferrous Metallurgy
17.30-17.50	K279	Computational Solutions in Metallurgical Processes	Bora Derin-1, Onuralp Yücel-1, Klaus Hack-2	İstanbul Technical University-1, GTT Technologies-2	Türkiye	Non-Ferrous Metallurgy
17.50-18.10	C079	Comparison of Different Methods Used to Establish Recrystallization Conditions of Gold Alloys	Daniele Maggian	R&D Managar ProGold	Italy	Non-Ferrous Metallurgy

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	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
13.30-13.50	K046	Effect of 0.5 and 2 Mol % B ₂ O ₃ Additions on the Electrical Properties and on the Microstructure Of ZnO	Berat Yüksel, Tefvik Osman Özkan	İstanbul University	Türkiye	Ceramics, Glass, Refractories
13.50-14.10	K249	Preparation of Pb _{1-x} Lax(Zr _{1-y} Tiy) _{1-x/4} O ₃ Thin Films by Sol-gel Method and Their Characterization	Burkan Kaplan, Macit Özenbaş	Middle East Technical University	Türkiye	Ceramics, Glass, Refractories
14.10-14.30	K184	Investigation of Glass Ceramics Producibility Using Blast Furnace Slag without Melting	Fikri Erdem Şeşen, M.Lütfi Öveçoğlu, M.Kelami Şeşen	İstanbul Technical University	Türkiye	Ceramics, Glass, Refractories
14.30-14.50	K245	Determination of the Crystallization Kinetic Parameters in MgO-CaO-SiO ₂ -P ₂ O ₅ -F Glass	Abdullah Öztürk, Jongee Park	Middle East Technical University	Türkiye	Ceramics, Glass, Refractories
BREAK						
15.10-15.30	K109	Production of Mg-Al-Si-N Bonded Silicon Carbide	Saliha Berrin Gürel, Yavuz Kaygun, Ömer Faruk Emrullahoğlu	Afyon Kocatepe University	Türkiye	Ceramics, Glass, Refractories
15.30-15.50	K106	Formation of Zr(C,N) - ZrB ₂ Composite Powders by Self-Propagating High-Temperature Synthesis (SHS)	Hasan Erdem Camurlu-1, Filippo Maglia-2	Middle East Technical University-1, Department of Physical Chemistry-2	Türkiye	Ceramics, Glass, Refractories
15.50-16.10	K293	The Formation Of B-Cristobalite From Quartz- Fly Ash Mix Powders At Low Temperature	Serkan Abalı	Çanakkale Onsekiz Mart University	Türkiye	Ceramics, Glass, Refractories
16.10-16.30	K224	High Speed Camera Investigations of Ceramic Tiles Used in Ballistic Armour Applications	Tamer Sınmazçelik-2, Mehmet Güneş-1, Evren Bayramoğlu-2, Volkan Günay-2	TÜBİTAK-MAM-2, Kocaeli University-1	Türkiye	Ceramics, Glass, Refractories
BREAK						
16.50-17.10	K259	The Project of Improving BOF Refractory Lining Life in Isdemir	Barış Genç, Mustafa Sağlam	İskenderun Iron-Steel A.Ş.	Türkiye	Ceramics, Glass, Refractories
17.10-17.30	K154	Effect Of <i>In-Situ Spinel</i> Phase Formation on Corrosion Mechanism of Zero-Cement Castables (ZCC)	Yasemen Kalpaklı-1, Suat Yılmaz-2	Yıldız Technical University-1, İstanbul University-2	Türkiye	Ceramics, Glass, Refractories
17.30-17.50	K211	Investigation of the Refractory-Metal Reactions and Microstructural Changes in Al-Melting Furnace	Esin Günay-1, Yusuf Öztürk-1, L.Kemal Örs-2, Volkan Günay-2	TÜBİTAK-MAM-1, Asaş Aluminium-2	Türkiye	Ceramics, Glass, Refractories
17.50-18.10	K179	Calcination Behaviour of Turkish Dolomite in Semi-Pilot Scale Rotary Furnace	Bora Derin, Umut Demircan, Timur Uzunoglu, Yücel Onuralp	İstanbul Technical University	Türkiye	Ceramics, Glass, Refractories

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	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
10.00-10.20	K128	The Determination of the Abrasive Wear Behavior of Borided Fe ₃ Al Intermetallics	İbrahim Çelikyürek-1, Osman Torun-2, Remzi Gürler-1	Osmangazi University-1, Afyon Kocatepe University-2	Türkiye	Heat Treatment
10.20-10.40	K093	Microstructural, Mechanical and Thermal Properties of HVOF Sprayed NiAl Coatings	Osman Çulha-1, N.Funda Ak Azem-1, Ahmet Türk-2, Erdal Çelik-1	Dokuz Eylül University-1, Sakarya University-2	Türkiye	Heat Treatment

10.40-11.00	K130	Wear Characteristic of Surface Alloyed Low Carbon Steel by Using PTA Process	İlyas Somunkıran, Serkan Özel, Bülent Kurt	Fırat University	Türkiye	Heat Treatment
BREAK						
11.20-11.40	K146	The Influence of Martensite Morphology on Surface Roughness of AISI 4140 Steel With Dual Phase Steel Structure	Volkan Kılıçlı, Mehmet Erdoğan, Ali Rıza Motorcu, Yusuf Şahin	Gazi University	Türkiye	Heat Treatment
11.40-12.00	K195	Determination of the Influence of Tempering Temperature on the Microstructure of Quenched SAE 1040 Steel by Magnetic Barkhausen Noise Method	Kemal Davut, C. Hakan Gür, İbrahim Çam	Middle East Technical University	Türkiye	Heat Treatment
12.00-12.20	K067	Corrosion and Corrosive Wear Behaviour of High Cr-Ni Steels	Yavuz Sun-1, Hüseyin Çimenoğlu-2, Hayrettin Ahlatcı-1	Zonguldak Karaelmas University-1, İstanbul Technical University-2	Türkiye	Heat Treatment
12.20-12.40	K280	Development of the Quenched and Tempered Sheet Steel Products	Şadi Karagöz-1, Alpay Yılmaz-2, Hakan Atapek-1	Kocaeli University-1, 7.Army Maintenance Center-2	Türkiye	Heat Treatment
BREAK						
13.30-14.10	Invited	Near-Frictionless Carbon Films for Super High Dentistry Storage Media	Dr. Osman Levent Eryılmaz	Argonne National Laboratory	USA	Surface Treatment, Coatings
14.10-14.30	K158	Investigation of Oxidation Behaviour of Nanosize Multilayer TiAlN/AlN Coatings	Fatih Üstel	Sakarya University	Türkiye	Surface Treatment, Coatings
14.30-14.50	K294	Improvement of Bio-activity of TiN Coatings by Mg Addition	Berk Ş. Demirel, M.Kürşat Kazmanlı, Gültekin Goller, Mustafa Ürgen	İstanbul Technical University	Türkiye	Surface Treatment, Coatings
BREAK						
15.10-15.30	K049	Development of Flame Retardancy Properties of Coated Fabrics with Phosphorous Doped SiO ₂ Thin Films	Aysun Cireli, Nurhan Onar, M.Faruk Ebeoğlulil, Işıl Kayatekin, Bengi Kutlu, Erdal Celik	Dokuz Eylül University	Türkiye	Surface Treatment, Coatings
15.30-15.50	K163	Metallurgical Characterization of Electrical Discharge Textured Roll Surface	Oktay Elkoca-1, Mehmet Yavuz-1, Bülent Ekmekci-2	Ereğli Iron-Steel A.Ş.-1, Zonguldak Karaelmas University-2	Türkiye	Surface Treatment, Coatings
15.50-16.10	K126	Naturally Derived and Synthesized Hydroxyapatite Coating on Titanium Substrates by Electrophoretic Deposition Method	Önder Albayrak-1, Mehmet İpekoğlu-1, Çınar Öncel-2, Sabri Altıntaş-1	Boğaziçi University-1, Sabancı University-2	Türkiye	Surface Treatment, Coatings
16.10-16.30	K225	Water Repellent Textiles by Sol-Gel Coating	Gamze Gül Avcı, Evren Bayramoğlu, Volkan Günay	TÜBİTAK-MAM	Türkiye	Surface Treatment, Coatings
BREAK						
16.50-17.10	C076	Effect of Texture on Corrosion Resistance of Hot-Dip Galvanized Coatings	Hamed Asgari, Fakhreddin Ashrafzadeh, Mohammad Reza Toroghinejad, Mohammad Ali Golozar, Kevvan Raeissi	Isfahan University of Technology	Iran	Surface Treatment, Coatings
17.10-17.30	K083	High Temperature Oxidation Behavior of Nickel-Base Alloys	Esra Dokumacı, Bülent Önay	Dokuz Eylül University	Türkiye	Surface Treatment, Coatings
17.30-17.50	K022	Surface Treatment Effects of Metal Wetting by Glass	C. Fahir Arısoy, M. Kelmi Şeşen	İstanbul Technical University	Türkiye	Surface Treatment, Coatings
17.50-18.10	K278	Effect of Boriding on Wear Performance of Ti6Al4V Alloy	Erdem Atar-1, Hüseyin Çimenoğlu-2, Eyüp Sabri Kayalı-2	Gebze High Technology Institute-1, İstanbul Technical University-2	Türkiye	Surface Treatment, Coatings

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	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
10.00-10.20	K125	Effects of Process Temperature and Time on the Synthesis of Nanosized Hydroxyapatite	Önder Albayrak-1, Gökhan Çaylı-2, Çınar Öncel-1, Sevim İşçi-3, Sabri Altıntaş-1	Boğaziçi University-1, Sabancı University-2, İstanbul Technical University-3	Türkiye	Biomaterials
10.20-10.40	K236	Can Magnesium Alloys be Used as Implants?-SEM Examinations From In Vivo Study	Ozgür Duygulu-1, Gizem Oktay-1, Cem Berk-1, Ali Arslan Kaya-1, R. Alper Kaya-2	TÜBİTAK-MAM-1, Şişli Etfal Hospital-2	Türkiye	Biomaterials
BREAK						
11.20-12.00	Invited	Advances in Metal/Polymer Nanocomposites	Prof.Dr. Bernd H. Günther	Fraunhofer Institute for Manufacturing and Advanced Materials	Germany	Nanomaterials
12.00-12.20	C009	The Localization Features of Plastic Deformation in Ultrafine Grain Materials	Vladimir Ivanovich Danilov-1, Lev Borisovich Zuev-1, Irina O. Bolotina-2, Aleksei Aleksandrovich Zagumennyi-1	Siberian Branch of Russian Academy of Sciences-1, Tomsk Polytechnic University-2	Russia	Nanomaterials
12.20-12.40	K229	Synthesis of the Nano TiO2 Particles by Hydrothermal Process	Hikmet Sayılkan-1, Ertuğrul Arpaç-2, Funda Sayılkan-1, Meltem Asiltürk-1, Gamze Gül Avcı-3	İnönü University-1, Akdeniz University-2, TÜBİTAK-MAM-3	Türkiye	Nanomaterials
BREAK						
13.30-13.50	K171	Producing of Surface Alloyed Low Carbon Steels by Powder Metallurgy Route	Mehmet Eroğlu, S.Hale Mahmutoğlu	Fırat University	Türkiye	Powder Metallurgy
13.50-14.10	K132	Sintering Process Of High Density W(90wt%)-Ni-Cu Alloys	Necmettin Kaan Çalışkan-1, Şakir Bor-2, Bilgehan Ögel-2	TÜBİTAK-SAGE-1, Middle East Technical University-2	Türkiye	Powder Metallurgy
14.10-14.30	K162	Aluminum Foam Production By Metal Powder Extrusion	Nazım Mahmutyazıcıoğlu, Tolga Uçak, Sabri Altıntaş	Boğaziçi University	Türkiye	Powder Metallurgy
14.30-14.50	K079	Effects of Deformation Amount on the Foamability of Al Based Metallic Foams by Powder Metallurgy	Hanifi Çinici, Mehmet Türker	Gazi University	Türkiye	Powder Metallurgy
BREAK						
15.10-15.30	K011	Production of Ti6Al4V Parts by Powder Injection Molding Method	Engin Ergül-1, Özkan Gülsoy-1, Volkan Günay-2, Tarkan Baykara-2	Marmara University-1, TÜBİTAK-MAM-1	Türkiye	Powder Metallurgy
15.30-15.50	K097	A Novel Water Leaching and Sintering Process for Manufacturing Highly Porous Stainless Steel	Halil İ. Bakan-1, Şerafettin Eroğlu-2	TÜBİTAK-MAM-1, İstanbul University-2	Türkiye	Powder Metallurgy
15.50-16.10	K045	Elastic Properties of Materials Produced from Carbon Added Prealloyed Iron Powders	Şenol Çetinkaya, Enver Oktay	İstanbul University	Türkiye	Powder Metallurgy
16.10-16.30	K104	Effects of Forging Pressure of a Ferritic Superalloy at Friction Welding	Hakan Ateş, Mehmet Türker, Adem Kurt	Gazi University	Türkiye	Powder Metallurgy
BREAK						

16.50-17.10	K155	Diffusion Bonding of High Cr White Iron to Low Carbon Steel	Mehmet Erođlu, Bülent Kurt	Fırat University	Türkiye	Welding
17.10-17.30	K089	Investigation of Weldability of Al-Si ₃ N ₄ Composite Materials by Diffusion Welding	Halil Arık-1, İbrahim Okan Erden-2, Mustafa Aydın-3	Gazi University-1, National Education Ministry-2, Dumlupınar University-3	Türkiye	Welding
17.30-17.50	K108	Keyhole Plasma Welding of AISI 420 Martensitic Stainless Steel	Bülent Kurt, Nuri Orhan, İlyas Somunkıran, Serkan Özel	Fırat University	Türkiye	Welding
17.50-18.10	K285	Investigation of Mechanical Properties of Sliding Plates Used in Railway Vehicles	Salim Aslanlar-1, Uđur Özaraç-1, Faruk Varol-2	Sakarya University-1, Balıkesir University	Türkiye	Welding

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	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
10.20-10.40	K177	Effect of Reinforcement Volume Ratio on Infiltration Height in Producing Al-MgO Composite By Vacuum Infiltration Method	Ramazan Çıtak-1, Recep Çalın-2	Gazi University-1, Kırkkale Industry High School-2	Türkiye	Composite Materials, Polymeric Materials
10.40-11.00	K182	Surface Modification of Layered Silicates Used in the Production of the Polymer Based Nanocomposites	G.İpek Nakaş, Cevdet Kaynak	Middle East Technical University	Türkiye	Composite Materials, Polymeric Materials
BREAK						
11.20-11.40	K152	Effect of Talc on the Microstructure and Mechanical Properties of Polypropylene/Eva Composite	Mustafa Öksüz-1, Mehmet Erođlu-2	Marmara University-1, Fırat University-2	Türkiye	Composite Materials, Polymeric Materials
11.40-12.00	K220	Atmospheric Conditions Effects on Mechanical, Thermal and Morphological Properties of PEI Composites	Onur Çoban-1, Tamer Sınmazçelik-2, Evren Bayramođlu-2, Volkan Günay-2	TÜBİTAK-MAM-2, Kocaeli University-1	Türkiye	Composite Materials, Polymeric Materials
12.00-12.20	K275	The Effect of Glass Bead and Wollastonite Additions on the Mechanical Properties of Polyester Resin	İlyas Kartal, Yalçın Boztoprak, Mustafa Çakır	Marmara University	Türkiye	Composite Materials, Polymeric Materials
12.20-12.40	C074	Mechanical and Sliding Wear of SBR Vulcanizates as a Function of Carbon Black Loading	Ahmad Mousa	Balqa Applied University	Jordan	Composite Materials, Polymeric Materials
BREAK						
13.30-14.10	Invited	Microstructural Design for Advanced Steels for Automotive Applications	Prof.Dr. David Embury	McMaster University	Canada	Iron and Steel Metallurgy
14.10-14.30	K025	Dual Phase Process Parameters in Erdemir Standarts 7140K & 7142K HSLA Steel Sheets	Hüseyin Aydın-1, Havva Kazdal Zeytin-1, Ceylan Kubilay-1, Ziya Aslanođlu-2, Hüseyin Cimenođlu-3	TÜBİTAK-MAM-1, Eređli Iron-Steel A.Ş.-2, İstanbul Technical University-3	Türkiye	Iron and Steel Metallurgy
14.30-14.50	K256	Variables in Abrasion Mechanism for Resin Bonded MgO-C and C-Dolomite Bricks in the Application of Steel Casting Ladle Workingline	Barış Genç, Kemal Özgün	İskenderun Iron-Steel A.Ş.	Türkiye	Iron and Steel Metallurgy
BREAK						
15.10-15.30	K169	The Investigation of Sponge Iron Production From Iron Oxide Pellets by Using Lignite Coals	Mustafa Kemal Geçim, Onuralp Yücel, Süheyla Aydın	İstanbul Technical University	Türkiye	Iron and Steel Metallurgy

15.30-15.50	K141	Investigation of Chlorizing Process on Elimination of Alkalies and Strength of Pellets Produced With Divriği Concentrate	Mustafa Boyrazlı, Recep Artır, Zeki Çizmeoğlu	Yıldız Technical University	Türkiye	Iron and Steel Metallurgy
15.50-16.10	C023	Sulphide Capacities of Ferromanganese Smelting Slags	Habib Sandikmen, Serdar Küçükkaragöz, Rauf Hurman Eric	University of the Witwatersrand	South Africa	Iron and Steel Metallurgy
16.10-16.30	K289	An Important Input for Iron & Steel Production; Ferroalloys	Süheyla Aydın, Ali Erçin Ersundu, Cüneyt Gürcan, Onuralp Yücel	İstanbul Technical University	Türkiye	Iron and Steel Metallurgy
BREAK						
16.50-17.30	Invited	Long Steel Products: Yesterday, Today, Tomorrow	Necdet Utkanlar	Asil Çelik A.Ş.	Türkiye	Iron and Steel Metallurgy
17.30-18.10	Invited	Flat Steel Products: Yesterday, Today, Tomorrow	M.Uğur Yılmaz	İskenderun Iron-Steel A.Ş.	Türkiye	Iron and Steel Metallurgy

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	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
10.00-10.20	K204	Application of Experimental Design Methods in Ceramic Materials	Nuran Ay, Nihal Erginel, Elif Eren	Anadolu University	Türkiye	Materials and Design
10.20-10.40	K198	Anode Production for Polymer Electrolyte Membrane Fuel Cells	Buket Yılmaz, Yılmaz Taptık	İstanbul Technical University	Türkiye	Materials and Design
BREAK						
11.20-12.00	Invited	Producing Nanostructured Materials by Severe Plastic Deformation for Advanced Applications	Prof.Dr. Ruslav Z. Valiev	Ufa State Aviation Technical University	Russia	Materials and Design
12.00-12.20	K244	Simulation of Metal Flow in Equal Channel Angular Pressing	Pınar Karpuz, Caner Şimşir, C. Hakan Gür	Middle East Technical University	Türkiye	Materials and Design
12.20-12.40	C077	Effect of Microstructure and Texture in Formability and Mechanical Properties of Hot-Dip Galvanized Steel Sheets	Mohammad Reza Toroghinejad-1, Mohammad Safaeirad-2, Fakhreddin Ashrafizadeh-1	Isfahan University of Technology-1, Mobarakeh Steel Company	Iran	Materials and Design
BREAK						
13.30-14.10	Invited	New Trends in Research in Metal Fatigue	Prof.Dr. Hael Mughrabi	Universität Erlangen-Nürnberg	Germany	Materials and Design
14.10-14.30	K071	Compensating for Natural Ageing in AlMgSi Automotive Body Panels	Yücel Birol	TÜBİTAK-MAM	Türkiye	Materials and Design
14.30-14.50	K001	Radiation Damage Characterization on Various Structural Materials of a Hybrid Reactor	Mustafa Übeyli, Teyfik Demir	TOBB Economy and Technology University	Türkiye	Materials and Design
BREAK						

15.10-15.50	Invited	The Development of Double Oxide Film Defects in Al Alloy Castings	Dr. W.D. Griffiths	University of Birmingham	England	Casting
15.50-16.10	K074	Production of Thixotropic Aluminium Billet with Electromagnetic Stirring	Yücel Birol, Osman Çakır, Fahri Alageyik	TÜBİTAK-MAM	Türkiye	Casting
16.10-16.30	K078	Effect of Grain Size on the Scattering of Ultrasonic Waves in Austenitic Stainless Steel Casting	İlven Mutlu-1, Şinasi Ekinci-2, Enver Oktay-1	İstanbul University-1, Çekmece Nuclear Research Center-2	Türkiye	Casting
BREAK						
16.50-17.10	K137	Application of Cooling Curve Analysis As a Process Control Tool to Produce Compacted Graphite Cast Iron	Omar El-Mabrouk, Arda Çetin, Ali Kalkanlı, Ekrem Selçuk	Middle East Technical University	Türkiye	Casting
17.10-17.30	K166	The Effect of Georgia Bentonite on the Properties of Molding Sands	Akın Odabaşı, Necip Ünlü, Cem Göğtaş, Levent Sezer, Niyazi Eruslu	İstanbul Technical University	Türkiye	Casting
17.30-17.50	K076	Effects of Mold and Pouring Temperature on the Mechanical Properties of Al-%7 Si Casting Alloys	Fatih Baypınar-1, Ferhat Gül-2	Altun Foundry-1, Gazi University	Türkiye	Casting

POSTER PROGRAMS						
NUMBER OF THE POSTER	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
NF01	C011	Concentration and Distribution Characteristics of Lead in the Shaft Furnace Slag of "Trepça" Corporation	Musa Met Rizaj, Avni Terziqi, Ekrem Beqiri, N. Kamberaj	University of Pristina	Kosova	Non-Ferrous Metallurgy
NF03	C019	The Determination of Trace Elements (Pb, Cd and Zn) in Fine Particles PM10 in the Mitrovica Urban Atmosphere	Afrim Muharrem Sylja-1, Kadri Berisha-2, Emin Karakashi-2, Izet Zeqiri-2, Islam Fejza-2	Ministry of Environment and Spatial Planning -1, Faculty FXM Mitrovica-2	Kosova	Non-Ferrous Metallurgy
NF05	C040	Environmental Impacts From Pb and Zn Hydro and Pyro-Metallurgical Process in Trepca/Kosovo	Asllan Vitaku, Kadrush Berisha, Sefedin Kastrati	University of Prishtina	Kosova	Non-Ferrous Metallurgy
NF06	C044	Maximum Entropy Method For The Study Of Materials	Belashev Boris Zalmanovich	Geological Institute of KRC RAS	Russian	Non-Ferrous Metallurgy
NF07	C073	Effect of Intermediate Milling on Vacuum Silicothermic Reduction of Calcined Dolomite	Gholamreza Khayyati, A. Ataie, S. Heshmati Manesh, S. Sheibani	University of Tehran	Iran	Non-Ferrous Metallurgy
NF08	C078	A Study on High Temperature Oxidation of Titanium; Properties and Applications	Azadeh Ashrafzadeh, f. Ashrafzadeh	Isfahan University of Technology	Iran	Non-Ferrous Metallurgy
NF09	K002	Effect of Mechanical Activation on Alumina Extraction From Alunite Ore in Acidic Media	Savaş Erkuş, Kenan Yıldız	Sakarya University	Türkiye	Non-Ferrous Metallurgy
NF11	K168	The Effect of Reductant Type on the Magnesium Production in a Vacuum Metalthermic Process	Onuralp Yücel, Ahmet Çetin	İstanbul Technical University	Türkiye	Non-Ferrous Metallurgy
NF12	K201	Optimization of Recycling and Refining Process From Secondary Gold Sources	Barış Erdem, Güldem Kartal, Servet Timur	İstanbul Technical University	Türkiye	Non-Ferrous Metallurgy
NF13	K226	Effect of Grain Growth on "Orange" Appearance in Aluminum Alloys Produced by Twin-Roll Casting and Simulation by Finite Element Method	Kadri Can Atlı-1, Fatih Karakoyun-1, Aziz Dursun-2, Canan İnel-2	Boğaziçi University-1, Assan Aluminum A.Ş.-2	Türkiye	Non-Ferrous Metallurgy

NF15	K266	The Effects of Metals and Chemicals on Human Health Used in Jewellery	Mesut Emre	Altınbaş Jewellery Production A.Ş.	Türkiye	Non-Ferrous Metallurgy
NF16	K268	The Effects of Process Parameters to the Surface Quality in Disk-Finishing Machines	Serhan Alyanak-1, Martin Moser-2	Fintek Machine Ltd.Şti-1, OTEC GmbH-2	Türkiye	Non-Ferrous Metallurgy
NF17	K269	Defects Seen on Gold Alloys Investment Casting	Cemil Alyanak	Alfa Metallurgy Ltd.Şti.	Türkiye	Non-Ferrous Metallurgy
NF18	K273	Investigation of Thermal Properties and Kinetic Calculation of Raw Magnesite by DTA/TG/DSC	İffet Elbeyli, Yasemen Kalpaklı, Sabriye Pişkin	Yıldız Technical University	Türkiye	Non-Ferrous Metallurgy
NF19	K274	The Effect of Different Heating Rates on Thermal Decomposition of Raw Magnesite	İffet Elbeyli, Yasemen Kalpaklı, Sabriye Pişkin	Yıldız Technical University	Türkiye	Non-Ferrous Metallurgy
NF20	K284	Bath Life and Bath Recovery in Copper Coating Process	Sibel Başakçılardan Kabakçı, A.Nursen İpekoğlu	İstanbul Technical University	Türkiye	Non-Ferrous Metallurgy

NUMBER OF THE POSTER	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
CRC01	C041	Si and Ge Nanocrystals Embedded in the Alumina Film	David Jishiashvili-1, Valerian Gobronidze-1, Zeinab Shoilashvili-2, David Kanchaveli-1	Georgian Technical University-1, Institute of Cybernetics-2	Georgia	Ceramics, Glass, Refractories
CRC03	K012	An Examination of Optical Properties of Glasses Coated With Ormosil Based SiO ₂ -TiO ₂ Solutions	Sebahattin Kırıtay-1, Enver Oktay-1, Volkan Günay-2	İstanbul University-1, TÜBİTAK-MAM-2	Türkiye	Ceramics, Glass, Refractories
CRC04	K065	Multilayer CeO ₂ /Gd ₂ O ₃ Buffer Layers for YBCO Coated Conductor	Işıl Kayatekin-1, Yalçın Akın-2, Erdal Çelik-1	Dokuz Eylül University-1, Florida State University-2	Türkiye	Ceramics, Glass, Refractories
CRC05	K090	Production of Si ₃ N ₄ Ceramic Powder from Sepiolite and Characterisation	Cengiz Bağcı-1, Halil Arık-2	Cumhuriyet University-1, Gazi University-2	Türkiye	Ceramics, Glass, Refractories
CRC06	K105	Production and Characterization of Strontium and Magnesium Doped Lanthanum- Gallium Oxide (LSGM) Ceramics	Hasan Erdem Camurlu-1, Filippo Maglia-2, Gaetano Chiodelli-3	Middle East Technical University-1, Department of Physical Chemistry-2, CNR-	Türkiye	Ceramics, Glass, Refractories
CRC07	K113	Steatite Production	Cemile Betül Abi-1, Faruk Ömer Emrullahoğlu-1, Yasemin Ayaz	Afyon Kocatepe University	Türkiye	Ceramics, Glass, Refractories
CRC08	K157	Investigation of Stoichiometric Spinel Addition on Resistance of Steel Slag of Zero-Cement Castables	Yasemen Kalpaklı-1, Suat Yılmaz-2	Yıldız Technical University-1, İstanbul University-2	Türkiye	Ceramics, Glass, Refractories
CRC09	K193	Production of B ₄ C/SiC Composites by Reactive Hot Pressing	Filiz Çınar Şahin, Nüket Ergün, Onuralp Yücel	İstanbul Technical University	Türkiye	Ceramics, Glass, Refractories
CRC10	K209	The Fabrication and Microstructural Characterization of Boron Nitride Based Ceramics by Pressureless Sintering and Hot Pressing	Burcu Ertuğ, Tahsin Boyraz, Okan Addemir	İstanbul Technical University	Türkiye	Ceramics, Glass, Refractories
CRC11	K217	Non-Destructive Testing of Ballistic Alumina Ceramics	Volkan Günay, Esin Günay, Sabri Tuncel, Yusuf ÖZtürk	TÜBİTAK-MAM	Türkiye	Ceramics, Glass, Refractories
CRC12	K248	Determination of Elastic Properties of a Mica Glass Ceramic	Aşlı Dereli, C. Hakan Gür, Abdullah Öztürk	Middle East Technical University	Türkiye	Ceramics, Glass, Refractories

NUMBER OF THE POSTER	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
SHT02	C006	Effect of Heat Treatment on Interface of Explosively Welded Titanium/Stainless Steel Clads	Pezhman Farhadi Sartangi, Saeed Sheibani, A.A. Akbari Mousavi	University of Tehran	Iran	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion
SHT06	C052	Tribological and Adhesion Behavior of Hard Alloy Powder NiCrBCSI (Fe) Coatings Thermally Sprayed on 60CrMn4 Steel	Said Ahmed Abdi, Brahim Malki, Sylvaine Hamar, Soltane Lebaili	University de Alger	Algeria, France	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion
SHT07	C053	Thermo-Mechanical and Isothermal Treatments Influence on the Wear of ADI During Dry Friction	Nugzar Khidasheli, Ekguja Kutelia, Sayavur Bakhtiyarov, Gocha Beradze, Kadir Demirkıran	Georgian Technical University	Georgia, USA	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion
SHT10	C066	Case Study of the Correlation Between Barkhausen Noise and XRD Measurements and Their Interpretation	Janne Suoknuuti, J. Siirainen	Stresstech Oy	Finland	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion
SHT11	K021	Effect of Grit-Blasting Pressure on the Corrosion Behaviour in Flame Wire Sprayed to Al2O3 Coatings	Salih Hakan Yetgin, Nurullah Kıratlı	Dumlupınar University	Türkiye	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion
SHT12	K051	Development of UV-Protection Properties of Coated Cotton Fabrics with Iron Doped TiO ₂ Thin Films	Nurhan Onar, Işıl Kayatekin, Aysun Cireli, Erdal Çelik	Dokuz Eylül University	Türkiye	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion
SHT13	K060	Effect of Carbon Content on the Hardness Distribution of MoSi ₂ Surface Alloyed Fe Based Metals	Mustafa Serhat Başpınar, İsmail Kılıç	Afyon Kocatepe University	Türkiye	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion
SHT14	K062	Dry Sliding Wear Behavior and Friction Force of Unalloyed Austempered Ductile Iron	Melik Çetin-1, Ferhat Gül-2	Karabük Technical Education Faculty-1, Gazi University-2	Türkiye	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion
SHT15	K063	Adhasive Wear Behaviour of Tin Coated Austempered Ductile Iron	Faik Okay, Hasan Sert, Kasım Habal, Ferhat Gül	Gazi University	Türkiye	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion
SHT16	K082	Nickel Coatability by Electroless Coating Method of Copper Components and Investigation of Coating Conditions	Ramazan Çıtak, Ulaş Matik	Gazi University	Türkiye	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion
SHT17	K124	Investigation of Mechanical Properties of Boro-Tempered Ductile Iron	Yusuf Kayalı, Yılmaz Yalçın	Afyon Kocatepe University	Türkiye	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion
SHT18	K135	Effect of Coating Thickness Depending on Coating Roughness and Coating Hardness of the Different Al ₂ O ₃ -TiO ₂ Powders by Plasma Spray Coating Process	Işıl Kutbay, Bilal Daşçılar	Gebze High Technology Institute	Türkiye	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion
SHT19	K151	Production of Hard-Alpha Titanium Phase and Ultrasonic Inspection Blocks Involving This Phase	Selda Uçüncüoğlu-1, A. Arslan Kaya-1, N. Kürkçü-2, A. Kandemir-2, H. Arslan-2, C. Berk-1, F.C. Şahin-3	TUBITAK-MAM-1, GE-MTC-2, İstanbul Technical University-3	Türkiye	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion
SHT20	K161	Electric Arc Spray Coating: Technology and Applications	Ahmet Güleç, Fatih Ustel, Özgür Cevher, Ahmet Türk, Ahmet Akın Akıncı, Yılmaz Fevzi	Sakarya University	Türkiye	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion
SHT21	K164	Characterization of ZrN Thin Films Deposited by Cathodic Arc PVD System	Nurhan Cansever, Murat Çalışkan, Murat Danışman	Yıldız Teknik University	Türkiye	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion
SHT22	K180	Investigation of Wear Behaviour of Aluminum Matrix Composite Coating in Water	Harun Mindivan-1, Fatih Kılıç-1, E. Sabri Kayalı-1, Hüseyin Çimenoğlu-1, Ramazan Samur-2	İstanbul Technical University-1, Marmara University-2	Türkiye	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion
SHT23	K187	Determination of Microstructure and Residual Stress State in the Quenched Steel Components by Computer Simulation	Caner Şimşir, C.Hakan Gür	Middle East Technical University	Türkiye	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion
SHT24	K196	Mechanical and Microstructural Characterization of Cold Deformed 6XXX (Al-Mg-Si) Type Aluminum Alloys	Evren Tan, Bilgehan Ögel	Middle East Technical University	Türkiye	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion
SHT25	K207	Determination of Mechanic and Metallurgical Properties in The Joining Carburizing Steel by Electron Beam Welding	Adnan Çalık	Süleyman Demirel University	Türkiye	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion

SHT26	K210	The Effects of Boronizing on Interactions Between Iron Based Materials and Glass	C. Fahir Arısoy, M. Kelmi Şeşen	İstanbul Technical University	Türkiye	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion
SHT27	K216	Effect of Process Parameters on the Cutting Surface in Steel Plate Cutting by Laser	Cenk Kumruoğlu, Ali Özer	Cumhuriyet University	Türkiye	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion
SHT28	K228	The Effect of Bond Coat and Al Addition on the Properties of Plasma Sprayed Al ₂ O ₃ And Al ₂ O ₃ - % 13 TiO ₂ Coatings on AISI 316L	Şenol Yılmaz, Ediz Ercenk, Cuma Bindal	Sakarya University	Türkiye	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion
SHT29	K230	Evaluation of Surface Residual Stresses in Rollers Produced From AISI 52100 Bearing Steel via the Magnetic Barkhausen Noise Technique	Ali Küçükylmaz-1, C. Hakan Gür-2, İbrahim Çam-2	Örs A.Ş.-1, Middle East Technical University-2	Türkiye	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion
SHT30	K235	Magnesium Films Deposited on Different Substrates Using Arc PVD Method	Gizem Oktay, Özgür Duygulu, Cem Berk, Arslan Ali Kaya	TÜBİTAK-MAM	Türkiye	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion
SHT31	K252	Microstructural Characterization of Hypoeutectoid Steels Quenched from the A _{e1} - A _{e3} Intercritical Temperature Range by Magnetic Barkhausen Noise Technique	Beril Boyacıoğlu, C. Hakan Gür	Middle East Technical University	Türkiye	Surface Treatment, Coatings, Wear, Heat Treatment, Corrosion

NUMBER OF THE POSTER	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILITION	COUNTRY	SESSION
NMB01	C036	Novel 6, 5-Membered Fused Heterocyclic Compounds From Aliphatic Nucleosides	Aferdita Nevruz Nura-Lama, Muhamet Bicaaj	University of Prishtina	Kosova	Biomaterials, Nanomaterials
NMB03	K095	Simulation of Bulk Glass Forming Ability of Ti-Zr Based Multicomponent Alloy Systems	Sıla Süer, O. Amdulla Mekhrabov, M. Vedat Akdeniz	Middle East Technical University	Türkiye	Biomaterials, Nanomaterials
NMB04	K192	Water Absorption Properties of Bioceramic Reinforced Bone Cement	M. Eray Erkan-1, Sibel Dağlılar-1, Faik N. Oktar-2, Sevgi Özyeğin-2	Yıldız Technical University-1, Marmara University-2	Türkiye	Biomaterials, Nanomaterials
NMB05	K237	Diffusion Bonding of Titanium and Magnesium-Hybrid Implants	Özgür Duygulu-1, Ali Arslan Kaya-1, Gizem Oktay-1, Filiz Çınar Şahin-2	TÜBİTAK-MAM-1, İstanbul University-2	Türkiye	Biomaterials, Nanomaterials
NMB06	K240	Production and Characterization of Siliconized Hydroxyapatite Ceramics	Çekdar Vakıfahmetoğlu, Muharrem Timuçin	Middle East Technical University	Türkiye	Biomaterials, Nanomaterials
NMB07	K250	Characterization of Iron Oxide Nanoscale Thin Films Produced by Sol-Gel Processing	Aylin Karakuşcu, Macit Özenbaş	Middle East Technical University	Türkiye	Biomaterials, Nanomaterials
NMB08	K251	Production and Characterization of Iron Oxide Nanoparticles by Mechanical Methods	Özge Acarbaş, Macit Özenbaş	Middle East Technical University	Türkiye	Biomaterials, Nanomaterials

NUMBER OF THE POSTER	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILITION	COUNTRY	SESSION
PW01	C043	Characterization of the Microstructures of SiC Particle Reinforced Aluminum Matrix Composites by a New Image Processing Algorithm	Ferenc Kretz-1, C.Hakan Gür-2, Zoltan Gacsi	University of Miskolc-1, Middle East Technical University-2	Hungary, Türkiye	Powder Metallurgy
PW03	K010	Effect of Al5Y3O12 Additions on Mechanical Properties of Powder Injection Molded 316L Stainless Steels	Özkan Gülsoy	Marmara University	Türkiye	Powder Metallurgy
PW04	K014	The Effect of Ferro-Titanium Addition on the Impact and Fracture Toughness of low Alloyed Steels Produced by Powder Metallurgy	Ramazan Yılmaz, Azim Gökçe	Sakarya University	Türkiye	Powder Metallurgy

PW05	K080	Effects of B2O3 Addition on the Foamability of Aluminium Based Metallic Foam Produced by Powder Metallurg	Hanifi Çinici-1, Mehmet Türker-1, Sami Günebakmaz, Hüseyin Gülen	Gazi University	Türkiye	Powder Metallurgy
PW06	K101	Effect of Different Pressing and Sintering Conditions on Microstructure and Properties of P/M Al-B4C Composites	Filiz Kumdalı, Fatih Toptan, Işıl Kerti	Yıldız Technical University	Türkiye	Powder Metallurgy
PW07	K115	Injection Moulding of Alumina-Effect of Moulding Pressure	Saliha Berrin Gürel-1, Betül Cemile Abi-1, Ömer Faruk Emrullahoğlu-1, Harun Geredeli-2	Afyon Kocatepe University-1, Kayseri Turkaz Ceramic-2	Türkiye	Powder Metallurgy
PW08	K238	The Effect of Mechanical Alloying Duration on the Powder Size, Hardness and Microstructure of the Ni Based Superalloy Powder	Mehmet Erdem-1, Mehmet Türker-2	M.E.B-1, Gazi University-2	Türkiye	Powder Metallurgy

NUMBER OF THE POSTER	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILITION	COUNTRY	SESSION
WD01	C065	Correlation of Microstructure and Hardness of Two Pass Submerged Arc Welds of Line Pipe Steel X65	Rrahim Maksuti, Hamit Mehmeti, Shefik Imeri	University of Prishtina	Kosova	Welding
WD02	K008	The Effect of Shielding Gases on the Toughness of Stainless Steels Welded by Gtaw	Ramazan Yılmaz, Mücahit Gökmen	Sakarya University	Türkiye	Welding
WD03	K009	Mechanical Properties of AISI 304 Austenitic Stainless Steels Welded by GTAW Using Various Filler Materials	Ramazan Yılmaz-1, Ali Türkyılmazoğlu-2	Sakarya University-1, MEB Sakarya Anatolia Technical and Industrial High School-2	Türkiye	Welding
WD04	K056	Determination of Weld Defects in Butt and Corner Welds by Ultrasonic Method	Nuray Beköz-1, Şinasi Ekinci-2, Enver Oktay-1	İstanbul University-1, Çekmece Nuclear Research Center-2	Türkiye	Welding
WD05	K153	Diffusion Bonding of Ferritic Gray Cast Iron to SAE 1040 Steel	Mehmet Eroğlu, Bülent Kurt	Fırat University	Türkiye	Welding

NUMBER OF THE POSTER	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILITION	COUNTRY	SESSION
CMP05	K120	Solid Particle Erosion Mechanisms in Polymers and Polymer Composites and Effective Factors on Material Performance	Sinan Fidan, Tamer Sınmazçelik	Kocaeli University	Türkiye	Composite Materials, Polymeric Materials
CMP06	K121	Solid Particle Erosion Effect on Mechanical Properties of Polymer Composites	Sinan Fidan, Tamer Sınmazçelik	Kocaeli University	Türkiye	Composite Materials, Polymeric Materials
CMP08	K218	Investigating of Fracture Toughness and Morphological Changes due to the Climatic Aging of UHMWPE	Tülin Şahin-1, Tamer Sınmazçelik-2, Evren Bayramoğlu-2, Volkan Günay-2	TÜBİTAK-MAM-2, Kocaeli University-1	Türkiye	Composite Materials, Polymeric Materials
CMP09	K219	Climatic Aging of PVC: Investigation of Impact Properties and Morphological Changes	Tülin Şahin-1, Tamer Sınmazçelik-2, Evren Bayramoğlu-2, Volkan Günay-2	TÜBİTAK-MAM-2, Kocaeli University-1	Türkiye	Composite Materials, Polymeric Materials
CMP10	K276	Investigation of Wear Properties of Epoxy-Polyester Mixtures	İlyas Kartal, Yalçın Boztoprak, M.Kemal Bilici, Mustafa Çakır	Marmara University	Türkiye	Composite Materials, Polymeric Materials

NUMBER OF THE POSTER	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILITION	COUNTRY	SESSION
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IS02	C008	Extraction-Spectrophotometric Determination of Molybdenum, Tungsten and Vanadium in Products of Ferrous Metallurgy as Ternary Complexes with Polyphenols and Tetrazolium Salts	Kiril Blazhev Gavazov, Atanas Dimitrov, Vanya Lekova	University of Plovdiv	Bulgaria	Iron and Steel Metallurgy
IS04	C075	Technological Results of the EBT Dephosphorization Practice	Gheorghe S. Iorga, Stefan Stan, Vasile Ursu, Florian Zaman, Alexandru Crisan	Metallurgical Research Institute of Bucharest	Romanie	Iron and Steel Metallurgy
IS05	K018	Microstructural Characterization of the Dual Phase Steels	Ceylan Kubilay, Havva Kazdal Zeytin, Hüseyin Aydın	TÜBİTAK-MAM	Türkiye	Iron and Steel Metallurgy
IS06	K024	Effects of Alloying Elements to Microstructural and Mechanical Properties of Dual Phase Sheet Steel	Hüseyin Aydın-1, Havva Kazdal Zeytin-1, Ceylan Kubilay-1, Ziya Aslanoğlu-2, Hüseyin Cimenoglu-3	TÜBİTAK-MAM-1, Ereğli Iron-Steel A.Ş.-2, İstanbul Technical University-3	Türkiye	Iron and Steel Metallurgy
IS07	K069	Mass Balance Modeling for Electric Arc Furnace and Ladle Furnace System in Steel Making Facility in Turkey	Yaşar Yetişken-1, Ünal Çamdalı-2, İsmail Ekmeççi-3	Kırıkkale University-1, Development Bank-2, Sakarya University-3	Türkiye	Iron and Steel Metallurgy
IS08	K070	Ultra Fine Grain Production Processes in Steels and Industrial Aspects	Eda Yılmaztürk-1, Adem Bakkaloğlu-2	Eczacıbaşı Esan Industrial Raw Materials A.Ş.-1, Yıldız Technical University-2	Türkiye	Iron and Steel Metallurgy
IS09	K085	Alkali Control in Blast Furnace	Zeki Çizmecioğlu, Özlem Aydın	Yıldız Technical University	Türkiye	Iron and Steel Metallurgy
IS10	K122	Examination of Desulfurization Behaviour of Ladle Furnace Slags	Ender Keskinliç-1, Yavuz A. Topkaya-2, Ahmet Geveci-2	Ereğli Iron-Steel Plant-1, Middle East Technical University-2	Türkiye	Iron and Steel Metallurgy
IS11	K246	Nondestructive Characterization of Microstructure of Dual Phase Steels by Magnetic Barkhausen Noise Method	Mücahit Kaplan-1, C. Hakan Gür-1, Mehmet Erdoğan-2	Middle East Technical University-1, Gazi University-2	Türkiye	Iron and Steel Metallurgy
IS12	K258	To Be Recycled to Coke Ovens Via the Coal Charge Tar Decanter Sludge by Briquetting	Halil Bozkurt, A. Mesud Çakır	İskenderun Iron-Steel A.Ş.	Türkiye	Iron and Steel Metallurgy
IS13	K260	The Usage of the Solid Waste at Sinter Production	Yahya Kahraman, Ö. Saltuk Bölükbaşı	İskenderun Iron-Steel A.Ş.	Türkiye	Iron and Steel Metallurgy
IS14	K261	Usage of Dunite Instead of Dolomite in Sinter Making	Fevzi Torun, Ersun İyiol	İskenderun Iron-Steel A.Ş.	Türkiye	Iron and Steel Metallurgy
IS15	K262	Of the Adoption Modernization Works on Isdemir Desulphurization Plant	Zekeriya Ünal, Umut Aydın	İskenderun Iron-Steel A.Ş.	Türkiye	Iron and Steel Metallurgy
IS16	K265	Increasing the Service Life of Carburizing Steel by Double Hardening	Yasin Uysal, Mehmet Yavuz, Oktay Elkoca, Saygın Şener	Ereğli Iron-Steel A.Ş.	Türkiye	Iron and Steel Metallurgy

NUMBER OF THE POSTER	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
MD02	K003	Austenitic Stainless Steels for Fusion Energy Reactor Applications	Mustafa Übeyli, Teyfik Demir	TOBB Economy ve Technology University	Türkiye	Materials and Design
MD03	K020	Fatigue Failure Investigation in Direction Forks of Military Tanks	Salim Aslanlar, Uğur Özaraç	Sakarya University	Türkiye	Materials and Design
MD04	K040	Failure Analysis of a Metal Cutting Tool	Selim Yıldırım	İstanbul University	Türkiye	Materials and Design
MD05	K075	Aluminium Extrusion Applications in Automotive Industry	Yücel Birol	TÜBİTAK-MAM	Türkiye	Materials and Design

MD06	K143	Determination of Mechanic Behaviours with Artificial Neural Networks Method in the Joining Two Different Steel by Electron Beam Welding	Adnan Çalık, Fatih Taylan	Süleyman Demirel University	Türkiye	Materials and Design
MD07	K173	Examination of Differentiations Resulted From Climatic Conditions and Building Materials According to Regions at Turkish House Architecture	İclal Aluclu, Aysel Yılmaz, Özgür Murt	Dicle University	Türkiye	Materials and Design
MD08	K183	Examination of Environmental Effect-Damage Relationship at Outside Wall Surfaces of Traditional Soil Buildings	Şefika Ergin Oruç-1, Bilge Işık-2	Dicle University-1, İstanbul Technical University-2	Türkiye	Materials and Design
MD09	K190	First Principles Investigations of Hydrogen Storage Characteristics of Cu-Ti Based Hydrides	Alper Kınacı, Mehmet Kadri Aydınol	Middle East Technical University	Türkiye	Materials and Design
MD10	K191	Molecular Dynamics of Electromigration in Aluminum and its Alloys	Fatih Gürçağ Şen, Mehmet Kadri Aydınol	Middle East Technical University	Türkiye	Materials and Design
MD11	K200	Cathode Production for Polymer Electrolyte Membrane Fuel Cell	Didar Eser, Servet Timur	İstanbul Technical University	Türkiye	Materials and Design
MD12	K288	Design and Construction of Thermal Evaporation Unit for the Production of thin Films With Controlled Compositional Gradient	Hasan Akyıldız, Tayfur Öztürk	Middle East Technical University	Türkiye	Materials and Design
MD13	K291	The Failures of Leaf Springs and Failure Analysis of a Failed Leaf Spring	Gökhan Başman-1, Fuat Topçu-1, M.Kelami Şeşen-2	Uzel Automotive Systems A.Ş.-1, İstanbul Technical University-2	Türkiye	Materials and Design
MD14	K295	Microstructural Investigation of the Effect of Severe Plastic Deformation on Mg and Mg-Ti	Gülhan Çakmak, Tayfur Öztürk	Middle East Technical University	Türkiye	Materials and Design

NUMBER OF THE POSTER	PAPER NO	TITLE OF THE PAPER	AUTHORS	AFFILIATION	COUNTRY	SESSION
CD01	K072	Critical Material Issues In Cast Aluminium Cylinder Heads	Yücel Birol-1, Ali Aslan Ebrinç-2	TÜBİTAK-MAM-1, Ford Automotive A.Ş.-2	Türkiye	Casting
CD02	K073	Production of Thixotropic Feedstock from AA6061 Alloy	Yücel Birol, Osman Çakır, Fahri Alageyik	TÜBİTAK-MAM	Türkiye	Casting
CD03	K087	Effect of Grain Refinement on the Cooling Curve and Fluidity of 380 Alloy	Cihan Balaban, Özkan Şen, Gökhan Özer, Kerem Altuğ Güler	Yıldız Technical University	Türkiye	Casting
CD04	K138	Investigation of Microporosity Formation Mechanisms in A356 Aluminium Alloy	Arda Çetin, Ali Kalkanlı	Middle East Technical University	Türkiye	Casting
CD05	K185	Application of Expandable Pattern Casting	Cem Uluç, Nilgün Kuşkonmaz	Yıldız Technical University	Türkiye	Casting
CD07	K194	Assessment Aluminium Melt Quality: A Review	Derya Dışpınar-1 John Campbell-2	İstanbul University-1, Birmingham University-2	Türkiye	Casting
CD08	K283	Use of Simulation Techniques for Controlling Sequential Solidification in Steel Castings (Two Success Stories)	Ramazan Kayıkçı-1, M.G. Akyürek-2, H. Engin-2	Sakarya University-1, Anadolu Foundry Ind. A.Ş.-2	Türkiye	Casting
CD10	K292	Obtaining the Mechanical Properties of GGG50 in Ductile Cast Iron by Heat Treatment	Şefkat Koç	ÇİMSATAŞ	Türkiye	Casting