

UDCS'19 FULL PROGRAMME

DAY 1	4 APRIL THURSDAY		LOCATION	
8.30-09.30	Registration		Iron and Steel Institute Conference Hall	
09.30-09.50	Turkish National Anthem and Musical Notation			
09.50-10.00	Presentation of Karabuk University and Iron & Steel Institute			
10.00-10.40	Speech of Protocol			
10.40-11.10	Keynote Speech Kamal Bin YUSOH - Progress on Graphene – Based Steel Composites			
11.10-11.30	Coffee Break			
11.30-12.00	Keynote Speech Mehmet EROGLU - Advanced High Strength Steels (AHSS): Production and Applications			
12.00-12.30	Keynote Speech Murat BAYDOGAN - Hot Dip Aluminum Coating Process in Steel and Cast Iron			
12.30-14.00	Lunch			
14.00-16.00	Panel - 2023 Vision of Iron and Steel Huseyin CIMENOGLU (Istanbul Technical University) Huseyin SOYKAN (KARDEMIR Inc.) Sinan BOZKURT (ERDEMIR Inc.) Veysel YAYAN (Ministry of Science, Industry and Technology) Ibrahim TOZLU (MATIL Inc.) Şerafettin ONER (ÇELSAANTAS Inc.)	Poster Presentations		Iron & Steel Institute
16.00-16.15	Coffee Break			
16.15-16.45	Keynote Speech Olekandr BABACHENKO - Investigation of the Kinetics of Decomposition of Supercooled Austenite with Continuous Cooling of K76Φ Steel for Rails	Oral Presentations 1		
16.45-17.45	Presentations Sponsor Companies			
19.30	Gala Dinner			
DAY 2	5 APRIL FRIDAY		LOCATION	
9.00-10.30	Oral Presentations 2		Iron & Steel Institute	
10.30-11.00	Coffee Break			
11.00-11.30	Keynote Speech Peter DEARNLY - Thermochemical Surface Engineered Steels – Their Behavior In Tribology			
11.30-12.00	Keynote Speech Mertol GOKELMA - Extracting REE (Rare Earth Elements) from the Ferric Fraction of Processed WEEE (Waste of Electrical and Electronic Equipment)			
12.00-12.30	Keynote Speech Ahmet KARAASLAN - Laser Welding of Different Metal Pairs with Steel			
12.30-14.00	Lunch			
14.00-14.30	Keynote Speech Bulent AYDEMIR - The Place in the World of Test Laboratories in Turkey - According to ISO 6892-1 Standard			
14.30-15.00	Keynote Speech Igor BELIC - Modeling of 3D Grain Size Distribution			
15.00-15.30	Keynote Speech Fevzi KAFEXHIU - Image Analysis of Size and Distribution Of Particles in Tempered Martensite			
15.30-16.00	Coffee Break			
16.00-17.30	Oral Presentations 3			
19.30	Dinner			
DAY 3	6 APRIL SATURDAY			LOCATION
9.00-10.30	Oral Presentations 4			Iron & Steel Institute
10.30-11.00	Coffee Break			
11.00-12.30	Oral Presentations 5			

ORAL PRESENTATIONS

SESSION 1

Parallel Session – Room : Magnetite – 04.04.2019 – (16:15 – 17:45)		
Paper ID	Title	Speaker
75	The Effect Of Addition Of Si And Cr Alloying Elements To The Severe Abrasive Wear Behavior Of Medium Carbon Steels	Esmâ KESKIN
108	Investigation Of Hot Forged And Cooled Material Properties By Numerical Simulation Method	Osman CULHA
114	Reduction Behaviour and Pelletizing of Mill Scale – Oily Sludge Pellets	Samet BALLI
115	Effect of Section Thickness on Austemperability of GGG-70 Nodular Cast Iron Crankshafts	Mehmet YILDIRIM
118	Hot Shortness Mechanism and Mill Scale Characterization in Low Carbon Steels	Selçuk YEŞİLTEPE
123	Investigation of Material Properties of Cardan Shaft Fixed Joint Forked Flange Produced by Hot Forging and Cooling in Different Environments	Osman CULHA

Parallel Session – Room : Wustite – 04.04.2019 – (16:15 – 17:45)		
Paper ID	Title	Speaker
18	Influence of Additions of Titanium and Boron on the Structural Evolution of the As-Cast State of 27Cr High Chromium White Cast Iron	Serdar Osman YILMAZ
23	Effect of Ultrafine-Grained Formation on Tribological Properties of Low Carbon Shipbuilding Steel	Dursun Murat SEKBAN
28	Microstructure and Mechanical Properties of Ultrafine-Grained Low Carbon Shipbuilding Steel Processed by Equal-Channel Angular Pressing	Dursun Murat SEKBAN
126	Structural and Physical Properties of Sintered Distaloy AE Alloy Compacts	Ayşe Nur ACAR
165	Characterization of Nano Aluminium Oxide Reinforced Iron Oxide Composites Produced by Powder Metallurgy	Abuzer AÇIKGÖZ
169	Effect of Ta Addition on Microstructure and Hardness of Low Alloy Cr-W Steels	Gökhan ARICI

Parallel Session – Room : Limonite – 04.04.2019 – (16:15 – 17:45)		
Paper ID	Title	Speaker
3	Product Goals Optimization With Fuzzy Goal Programming Approach And An Application Integrated Iron And Steel Plant	Neslihan Yagci KOSE
57	Torpedocars Level Measurement And Location Tracking System	Cemil BAYRAMOĞLU
58	Tavan Vinçlerinde Spesifik Otomasyon Uygulamaları	Mehmet SONMEZ
59	Blast Furnace Top Imaging System	Sertac KAYA
116	Heat Transfer Modelling of Deformed Bars During Tempcore Process	Tulberk Hakan ÇETİN
137	Applicability Of Computerized Maintenance Management System At Kardemir Rail & Section Mill	Semih DOĞAN

Parallel Session – Room : Hematite – 04.04.2019 – (16:15 – 17:45)		
Paper ID	Title	Speaker
1	Effect of Ti-B Addition In GX300CrMo27 and Heat Treatment on Wear Behavior of GX300CrMo27	Serdar Osman YILMAZ
6	Analysis of Mechanical and Metallurgical Properties as a Result of Cooling Process Alternative to Microalloying in Profile Production by Hot Rolling Process	Mehmet AKKAS
147	Effects Of Antioxidant Additions On The Material Properties Of Magnezya Karbon Bricks	Sadetin ZENCİ
2	Microstructural characteristics of WC-Co-Cr coating of AISI St52 steel by TIG weld cladding process	Zulkuf BALABAN
15	Assessment of Weldability by Friction Welding Process of AISI1040 and High Chromium White Cast Iron	Mustafa OZARSAN
17	Friction Welding of High Chromium White Cast Iron and AISI1030 Steel Couple with Nickel Interlayer	Eyyüp Murat KARAKURT
92	Sürekli Dökümle Üretilen Kütüklerde Soğutmanın Ve Manyetik Karıştırıcıların Kütük Makro Yapısına Etkisinin İncelenmesi	Cemalettin YAMAN

SESSION 2

Parallel Session – Room : Conference Hall – 05.04.2019 – (09:00 – 10:30)		
Paper ID	Title	Speaker
11	Mekanik Öğütme Yöntemi İle Karbon Nanotüp (CNT) Takviyeli Fe Esaslı Nano-Kompozit Malzemelerin Üretimi Ve Karakterizasyonu	İsmail Emre CANBOLAT
47	Mechanical Properties of Low Carbon Steel Processed by Equal Channel Angular Pressing	Muhammet DEMIRTAS
13	Wear Behaviour Of Iron Base Hardfacing On A Tool Steel	Yigit ERCAYHAN
134	The Effect of Iron Matrix Composition on Properties of Diamond Cutting Tools for Used Producing Natural Stone	Berrak BULUT
171	Investigation of Microstructure and Hardness of Co-containing and Co-free Cr-W alloy	Gökhan ARICI
125	The Effect Of Different Quenching Media And Tempering Temperature On The Hardness Value Of R260 Quality Asymmetric Profile	Gürkan GÜMÜŞ

Parallel Session – Room : Magnetite – 05.04.2019 – (09:00 – 10:30)		
Paper ID	Title	Speaker
128	Influence Of Treatment Time On Microstructure Of Intercritical Austempered GGG40 Cast Iron	Cengiz BAĞCI
177	Effect Of Nitriding On Surface Characteristics And High Temperature Wear Behaviour Of Inconel 718 Superalloy	Hasan GÜLERYÜZ
182	Effect Of Alloying Elements On The Wear Properties Of Cryogenically Treated Medium Carbon Spring Steels	Reşat Can ÖZDEN
183	Effects Of Deep Cryogenic Treatment On The Mechanical Properties Of 52CrMoV4 Steel	Reşat Can ÖZDEN
199	Impact Sliding Wear Performances Of Quenched And Tempered Hot Work Tool Steels	Faiz MUHAFFEL
200	Influence Of Nitriding On Impact Sliding Wear Behavior Of Aisi H13 Tool Steel	Mertcan KABA
226	Effect of Isothermal Annealing on Microstructure and Mechanical Properties of a High Carbon Steel	Faiz MUHAFFEL

Parallel Session – Room : Wustite – 05.04.2019 – (09:00 – 10:30)		
Paper ID	Title	Speaker
12	The Effect Of Different Cutting Methods Of The Tensile Test Specimen On The Mechanical Properties For Sheet Metals Suspension Parts	Fatih Selman EREN
29	The Effect of Sintering Temperature on Fe Based Al ₂ O ₃ Particle Reinforced Composites	Hasan KARABULUT
30	Investigation of the Effect of Sintering Temperature on Hardness in Fe Based SiC Reinforced Composites	Hasan KARABULUT
24	Investigation of Microstructural Properties of 5140 Steel with 316 Stainless Steel Joined by Friction Stud Method	Edip CETKIN
152	Investigation of the corrosion properties of hybrid composite coatings produced on AISI 316L stainless steel using TIG method	Mehmet AKKAS
160	Microstructural characterization of Cu-FeCr-FeB composites	Mehmet AKKAS
225	Effect of Different Welding Parameters on Weld Bead Geometry and Mechanical Properties of Synergic Controlled MIG/MAG Welding	Yavuz Selim CERAN

Parallel Session – Room : Limonite – 05.04.2019 – (09:00 – 10:30)		
Paper ID	Title	Speaker
218	Analysis Of Turkey's Iron-Steel Industry In The World Trade	Hayrettin KESKINGOZ
219	Comparative Analysis Of The Competitiveness Of Turkey's Iron-Steel Industry	Hayrettin KESKINGOZ
145	Impact Test Applications in Steel Industry, Testing and Uncertainty Calculation	Haldun DİZDAR
220	The Importance of Big Data and New Statistical Approaches for Steel Industry	Hamdi TEKIN
175	Innovations in the New TS-648 Steel Structures Design Regulations	Ayşegül YILMAZ
176	Evaluation of proficiency test results of tensile testing for metallic material	Bülent AYDEMİR

Parallel Session – Room : Hematite – 05.04.2019 – (09:00 – 10:30)		
Paper ID	Title	Speaker
60	Investigation Of The Microhardness - Applied Load Relationships In Induction Surface Hardening Steels	Aykut ARGINCILIGİL
63	Characterization of Earing Behaviour in Tin Plates by EBSD Method	Ramazan UZUN
122	Prevention of Section Reduction of Stand Pipes	Adnan NEHROZOĞLU
155	Determination and Modelling of the Most Suitable Parameters That Effect Springback in U-Bending Operations	Selin YILDIRIM
156	Investigation of the Formability of DP600 Dual Phase Sheet Material by Fluid Pressure Assisted Single Point Incremental Forming Method	Onur ÇETİNKAYA
166	Investigation Of The Springback And Microstructural Deformation For Different Sheet Metals Forming	Abdulsamet ÖZDEN

SESSION 3

Parallel Session – Room : Conference Hall – 05.04.2019 – (16:00 – 17:30)		
Paper ID	Title	Speaker
46	The Effect of Applied Load on Vickers Micro-Hardness Values of Steels	Erdal KARADENİZ
84	Effects of Blast Furnace Sludge (BFS) and Tar Decanter Sludge (TDS) on Coal Coking Process	Tayfun PAMUKSUZ
93	The Corrosion Behaviour of Zinc Plated Steel in an Aqueous Medium	Mustafa MASLAK
148	The Corrosion Behaviour of Zinc Plated Ç1080 Steel	Mustafa MASLAK
98	Influence Bias Voltage and Working Pressure on the Microstructure, Scratch and Wear Properties of TiAlZrN Films Prepared by CFUBMS Technique	Yasar SERT
173	Thermal Properties Of Graphene Reinforced Fe-Cr-Cu-Ni High Entropy Alloy Fabricated By Powder Metallurgy	Yüksel AKINAY

Parallel Session – Room : Magnetite -- 05.04.2019 – (16:00 – 17:30)		
Paper ID	Title	Speaker
141	Detection of Defects of Rolling Rolls by Deep Learning Method	Selim ÖZDEM
142	Coke Oven End Flue Repair By Using Fused Silica Bricks	Bülent ÖZTÜRK
143	Determination of Mechanical Properties of CO2 Laser Welded Dual Phase Steels	Ekrem ÖZTÜRK
144	Electrochemical Corrosion Behavior of Solution Treated UNS32205 Duplex Stainless Steel	Alptekin KISASÖZ
150	Surface Modification of Co-Based Stellite 6 Hardfacings by Laser Surface Melting: Microstructural and Reciprocating Wear Resistance Evaluations.	Ali Abdulmunim ALHATTAB
213	CrMnFeCoNiAl Yüksek Entropili Alaşimin Vakum Arc Melting Yöntemi İle Üretimi	Yusuf KARACA
227	An Experimental study of Taguchi Analysis on output parameters in EDM process	Ali Abdulmunim ALHATTAB

Parallel Session – Room : Wustite -- 05.04.2019 – (16:00 – 17:30)		
Paper ID	Title	Speaker
50	Greenhouse Gas Effects of the Energy Efficiency Projects	Irem GURSOY
80	Importance of Flue Gas Oxygen Measurement in Combustion Optimization	Saban PUSAT
81	Importance of Flue Gas Waste Heat Recovery	Saban PUSAT
87	Weight Reduction Study On A Heavy Duty Cast Iron Diesel Engine Block	Umit KIRENCİ
101	Waste Management and Zero Waste Studies in Iron and Steel Industry	H. Duygu BILGEN
198	Use of Biomass Waste in the Production of Iron Nugget from Magnetite Concentrate	Bayram BOSTANCI

Parallel Session – Room : Limonite – 05.04.2019 – (16:00 – 17:30)		
Paper ID	Title	Speaker
170	İnce Kesitli Kati Yuvarlak Tellerin Dönel Eğmeli Yorulma Test Cihazı Tasarımı Ve İmalatı	Emre DEMİRCİ
217	The transformation of structure steel with thermal strengthening of the disk railway wheel	Harun ÇUĞ
68	32CrMoV Alaşımına Gaz Nitrasyon İşleminin Halka Üzeri Pim Tipi Aşınma Davranışına Etkisi	Ali AKKUS
78	The theoretical description for the cathodic synthesis of polymer corrosion-protecting coating, based on wedelolactone	Volodymyr TKACH
53	A Mathematical Method for the Consumption Optimization of Cold Rolling Mill Rolls	Aykut BASKAYA
202	Stainless Steel - CuNP Selective Surfaces Coated by Thermal Evaporation Technique	Ahmed S. ABBAS

Parallel Session – Room : Hematite – 05.04.2019 – (16:00 – 17:30)		
Paper ID	Title	Speaker
121	Improvement Of Mechanical Properties By Means Of Titanium Alloying To Steel Teeth Used In The Excavator	Ali KELEŞ
106	International Market Selection for Turkish Steel Sector Based on MCDM	Merve BAYATA
136	Effect of Pulse Frequency on Mechanical Properties of Nd:YAG Laser Welded Dissimilar DP Steels	Oğuz TUNÇEL
162	Controlling Of Pearlite Volume Fraction By Air Cooling From Intercritical Austenitizing Temperatures In Ggg70 Ductile Cast Iron	Volkan KILIÇLI
163	Effect Of Austenitizing Time At Intercritical Austenitizing Temperatures On Microstructural Features Of Ductile Cast Iron	Volkan KILIÇLI
181	Effect of Welding Current on Mechanical Properties of Dissimilar Steels Joined Triple by Electrical Resistance Spot Welding	Oğuz TUNÇEL
27	An Application Example For Absorption Cooling System From Waste Heat Of Basic Oxygen Furnace	Aytaç AYDIN

SESSION 4

Parallel Session – Room : Conference Hall – 06.04.2019 – (09:00 – 10:30)		
Paper ID	Title	Speaker
88	An Investigation On The Weldability And Mechanical Tests Of Carbon Steel And Stainless Steel	Bunyamin CICEK
89	Investigation of post-weld mechanical properties of P91 and P22 steels with high creep resistance	Bunyamin CICEK
146	Investigation of Mechanical Properties of Hydrothermal Carbon-Iron Composites via Powder Metallurgy	Hamza ŞİMŞİR
211	Investigation of The Effect of Ball Diameter on Tensile Strength of Nonalloyed Powder Metallurgy Steels in Mechanical Alloying	Mehmet Akif ERDEN
94	Effect of reduced graphene oxide (rGO) on microstructure, hardness and corrosion performance of iron matrix composite	Hüseyin ZENGİN
97	Elevated Temperature Wear Behavior of Hot Rolled Cr-W steels	Muhammet Emre TURAN

Parallel Session – Room : Magnetite – 06.04.2019 – (09:00 – 10:30)		
Paper ID	Title	Speaker
7	Akımsız NiP/NiB Dupleks Kaplamanın Korozyon Dayanımı	Ulas MATIK
8	Akımsız NiP Alaşım ve NiP/nano BN Kompozit Kaplamaların Sentezi ve Karakterizasyonu	Ulas MATIK
34	Challenges Of New Entrepreneurs In The Welding Sector And Possible Solutions	Volkan TEMIZKAN
99	The Effect Of Cyclic Intercritical Annealing On Microstructure Of Dual Phase Steels	Ayse KAVRUK
44	Paslanmaz Çelik Matrisli Fonksiyonel Derecelendirilmiş Malzeme Üretimi ve Karakterizasyonu	Batuhan OZUSTA
69	Nokta Direnç Kaynaklı Çift Fazlı Çeliklerin Genliğe Bağlı Yorulma Ömürlerinin Karşılaştırılması	Muhammed ELITAS

Parallel Session – Room : Wustite – 06.04.2019 – (09:00 – 10:30)		
Paper ID	Title	Speaker
83	A Theoretical Study On The Total Cross Sections Of The Natural Iron Isotopes	Necla ÇAKMAK
131	Some nuclear and magnetic properties of Fe-Co and Co-Ni alloys	Necla ÇAKMAK
77	Experimental Investigation of The Effect Of Different Cutting Parameters On Surface Roughness Values in Laser Cutting Processes of AISI 304 Stainless Steel	Ahmet Serdar GULDIBI
109	Chip Formation in Orthogonal Cutting of Corrax PH Steel	Ahmet Serdar GULDIBI
188	Evaluation Of The Cost And Profitability Performance By Topsis Method: A Case Of Iron Steel Company	Ömer KARAKAYA

Parallel Session – Room : Limonite – 06.04.2019 – (09:00 – 10:30)		
Paper ID	Title	Speaker
52	Fabrication of nano-structured duplex and ferritic stainless steel powders by dual drive planetary dry milling	Shashanka R
54	An Investigation on Joinability of the AISI 304 and AISI 430 Stainless Steel by TIG Welding Method	Murad Ayad M. DEBESKI
71	The Relationship of the Force Effect with the Effect of Current on Weld Quality in Resistance Spot Welding	Abdulkarim ALZAHOUGI
95	Tarimsal Alanda Çapa Olarak Kullanılan 5630 Kalite Çeliğinin Şiddetli Abrasif Aşınma Davranışına Isıl İşlemlerin Etkisi	Sefik TUGAN
209	Machinability of AISI 304 Austenitic Stainless Steel with Abrasive Water Jet Process	Huseyin ÇETİN
190	Texturing Methods for Cold Mill Work Rolls	Bilal ÇOLAK

Parallel Session – Room : Hematite – 06.04.2019 – (09:00 – 10:30)		
Paper ID	Title	Speaker
70	Çift-Fazlı Çelik Nokta Kaynaklı Birleştirmelerinin; %3,5 NaCl Ortamındaki Yorulma Dayanımlarının İncelenmesi	Mustafa GOKTAS
130	The Effect Of Heat Treatment On Microstructure And Mechanical Properties In Dual Phase Steels	Burak BARUTÇUOĞLU
100	Investigations on Austenite Grain Growth in Bainitic Forging Steels	Sibel UN
76	Yüksek Kromlu Dökme Çeliklerin Korozyon Davranışına Korozif Ortamin Etkisi	Mustafa Ali KUCUK
85	The Investigation of Tribological Behaviour Fe Matrix Hybrid Composites by Powder Metallurgy	Fatih AYDIN
203	Effect of Termite Welding Process on residual stress, wear and hardness behavior of R260 quality rail	Mustafa DURSUNLAR

SESSION 5

Parallel Session – Room : Conference Hall – 06.04.2019 – (11:00 – 12:30)		
Paper ID	Title	Speaker
61	ER7 Kalite Tren Tekerin Şiddetli Abrasif Aşınma Davranışına Isıl İşlemin Etkisi	Burcu CETINTAS
157	Diş Telinin Yalın Eğmeli Test Metoduyla Yorulma Davranışına Korozif Ortamin Etkisi	Rahma SHAABAN
158	Finite Element Modelling of Cutting Forces in Hard Turning of AISI 52100 Steel	Mehmet Erdi KORKMAZ
214	Surface roughness optimization and modeling of finishing operation for hardened X40CrMoV51 steel with ceramic tool	Mehmet Erdi KORKMAZ
161	0,5 C'lu Çeliğe Gaz Nitasyon İşleminin Aşınma Davranışına Etkisi	Yusuf GÖKALP
216	Investigation of wear and microstructure properties of 21CrNi5 steel with different boron content	Cemal ÇARBOĞA

Parallel Session – Room : Magnetite -- 06.04.2019 – (11:00 – 12:30)		
Paper ID	Title	Speaker
5	Demir Çelik ve Enerji Verimliliğinde Haddehanelerde Sanayi Etüdü Uygulaması	Yaşar YETİSKEN
208	Effects of Boron Addition on Microstructure and Tribocorrosion Behavior of 4140 Steel	Tayfun AKSOY
179	Yay Çeliklerinin Isıl İşlemi	Esmâ KESKİN
180	Yay Çelikliğinin Dönel Eğmeli Yorulma Davranışına Üretim Yönteminin Etkisi	Esmâ KESKİN
105	A comparative study on Wear Properties of Fe-Graphite and Fe-Graphene composites	Salih BEKTAS
215	The Effect of Different Cooling Parameters on Fatigue Strength of 1040 Steel after Heat Treatment	Salih BEKTAS
228	Difficulties in The KIC Analysis of Materials With High Fracture Toughness	Fazıl HUSEM
229	FCG Analysis According to ASTM E647 and BS ISO 12108	Fazıl HUSEM

Parallel Session – Room : Wustite – 06.04.2019 – (11:00 – 12:30)		
Paper ID	Title	Speaker
14	Design and Manufacturing of a Cost-effective In-house Charpy Impact Tester Implemented with Arduino	Gorkem UNLU
184	Modeling Of Structural Transformations In The Additive Process Of 3d Construction	V.A. KOSTIN
185	Evaluation of high strength steel fatigue	V.I. BOLSHAKOV
201	Investigation of Drillability for Ferritic Stainless Steel with Uncoated Carbide Drill	Tolga MERAL
129	The Relationship Between Steel Production And Accredited Laboratory	Betül USTA
132	A Case Study: Investigation of the Contribution of Accredited Laboratories on the Iron&Steel Sector in Turkey	Alper İNCESU
164	Development of Certified Reference Material for Tensile Test Method in Metallic Materials	Engin ÇEVİK

Parallel Session – Room : Limonite – 06.04.2019 – (11:00 – 12:30)		
Paper ID	Title	Speaker
90	Determination of Life of Steel Pipes Used in Thermal Power Plants	Bunyamin CICEK
91	Hardness distribution in P91 steels after welding process and PWHT	Bunyamin CICEK
32	The Effect of Al ₂ O ₃ on Microstructure and Hardness Properties of Fe-C Alloy Composites	Mehmet Akif ERDEN
33	Effect of SiC Amount on the Hardness Properties of Fe Matrix SiC Reinforced Composites	Mehmet Akif ERDEN
206	The Effect of Powder / Ball Ratio on Mechanical Properties of Non-Alloyed Powder Metal Steels in Mechanical Alloying	Mehmet Akif ERDEN
207	The Effect of Alloying Time on The Tensile Strength of Unalloyed Steels In Mechanical Alloying	Mehmet Akif ERDEN
172	Investigation of boron nitride (BN) on tribological behavior of iron matrix composite produced by semi powder method	Muhammet Emre TURAN

Parallel Session – Room : Hematite – 06.04.2019 – (11:00 – 12:30)		
Paper ID	Title	Speaker
67	İş Makinesi Tırnaklarının Şiddetli Abrasif Aşınma Davranışlarına Isıl İşlemin Etkisi	Cemal OZGENC
110	Evaluation of Residual Stress Formation for ST37 Steels After Hot Rolling Process	Neslihan AKGUL
189	Investigation of Corrosion Behavior of Hot-Rolled Carbon Steel against Dimethylformamide	Yasin AKGÜL
221	Experimental Studies on the Microstructure and Hardness of Laser Surface Hardening of Low Alloy	Harun ÇUĞ
222	Effect of Laser Surface Hardening on the Microstructure and Hardness of AISI 8620 Steel	Harun ÇUĞ
223	Investigation of the Adhesion of Different Al ₂ O ₃ Powders Coated with EN 10130 steel by CMT Technique	Harun ÇUĞ
224	The Effect of Hardening Conditions on Microstructure and Hardness of EN 21NiCrMo2 Steel	Harun ÇUĞ

POSTER PRESENTATIONS

Location : Poster Hall - 04.04.2019 - (14:00 – 16:00)		
Paper ID	Title	Presenter
19	A Composite Surface Layer Produced with Semi-Centrifugal Casting	Serdar Osman YILMAZ
40	Non-linear stability analysis of thin-walled steel box beam	Saoula ABDELKADER
43	Web-post buckling of steel cellular beams: Non-linear finite element analysis	Benyagoub DJEBLI
51	Estimation of Sulfur Content of Pig Iron via Basicity Elements in Blast Furnace Slag	Orhan ORUÇ
55	Distribution Of Products In ISDEMIR According To The Usage Areas And Customer Expectations	Muhammet BILEN
56	MPC (Manufacturing Practice Code) In Iskenderun Iron And Steel Works (ISDEMIR)	Muhammet BILEN
62	Study of the Effect of Deformation and Heat Treatment on the Features of the Microstructure of Steel Grade EA1N	Oleksandr BABACHENKO
96	Modeling of the Coke Quality Parameters CRI, CSR, Stability and Hardness Values from Chemical and Ash Component Analysis Results of Metallurgical Coke.	Can ERARSLAN
119	Characterization of Oily Sludge From Pipe Production Line	Samet BALLI
133	Improvement Of Industrial Extraction In The Steel Production Process	Halil İbrahim EMİROĞLU
135	The Effect Of Bof Gas On Id Fan Abrasion Among The Base Oxygen Furnace (BOF)	Halil İbrahim EMİROĞLU
149	Automation Controlled Production In Rolling Mill	Metehan BACAŞIZ
187	Visual Testing Of Single-Bead Weldings	Yavuz Selin CERAN
210	Analysis of Corporate Social Responsibility Perception In Terms Of Demographic Values: A Sample Of Steel Sector	Buket ACAR