

UHAKE'22 Full Programme

31.03.2022		LOCATION
Zoom Link: https://us02web.zoom.us/j/9107633276?pwd=M2VUL3RNWGMvMFZCU1Zuemt6QnU3Zz09 Meeting ID: 910 763 3276 Passcode: 12345		
10:00-10:05	Saygı Duruşu ve İstiklal Marşı	Karabük Üniversitesi Mühendislik Fakültesi Hamit Çepni Konferans Salonu
10:05-10:15	Tanıtım Filmlerinin Gösterimi	
10:15-11:15	Açılış ve Protokol Konuşmaları	
11:15-11:45	Sempozyum Davetli Konuşmacı Prof.Dr.Burak DİKİCİ, Atataürk Üniversitesi “Metalik biyomalzemelerde yeni trend uygulamalar ve gelecek beklentileri ”	
11:45-12:00	Dış Ticaret Elçileri Uyum Programı Sertifika ve Plaket Töreni	
12:00-13:30	Öğle Arası	

DAY 1	31.03.2022	LOCATION
Session Chair: Dr. M. Emre TURAN Zoom Link: https://us02web.zoom.us/j/9107633276?pwd=M2VUL3RNWGMvMFZCU1Zuemt6QnU3Zz09 Meeting ID: 910 763 3276 Passcode: 12345		
14:30-15:00	Invited Speker Dr. Martin Tauber, Chairman of the European Committee of the IMA “The Global Magnesium Market - Challenges & Opportunities ”	Karabük Üniversitesi Demir Çelik Enstitüsü, ZOOM
15:05-15:35	Invited Speker Prof. Dr. Nakai Masaaki, Kindai University “ Effect of dimple texture on wear behaviors of β -type Ti-Nb-Ta-Zr and (α + β)-type Ti-6Al-4V ELI alloys in contact with zirconia for biomedical applications”	
15:40-16:10	Invited Speker Prof. Dr. Mohamed A.H. Gepreel, Egypt-Japan University of Science and Technology “Recent Progress in the Development of Novel Low-Cost Ti Bio-Implants”	
16:15-16:45	Invited Speker Assoc. Prof. Dr. Nermin Demirkol, Kocaeli University “Ceramics as a reinforcement material and a case study”	
16:50-17:20	Invited Speker Assoc. Prof.Dr.Mevlüt GÜRBÜZ, Ondokuz Mayıs University “New Light Metal Alloy Composites and Entrepreneurship Case”	

ORAL PRESENTATIONS

SESSION 1

	Room: 31.03.2022 -(14:00-15:40) Session Chair: Dr. İsmail Hakkı KARA	
<p>Microsoft Teams: https://teams.microsoft.com/l/channel/19%3aTqb3pQNCZFyL381ktgu0pziUnKwBUDNBioA6Ev8LxMQ1%40thread.tacv2/Genel?groupId=bf4960a7-bda5-4a34-a9ad-1fbdcf5766a9&tenantId=d348f9ab-4879-4a60-ab50-5c420b11470c</p> <p>Team Code: 32c7hnk</p>		
Paper ID	Title	Authors
1	ABD matrix material models help in the efficient 3D study of laminate structures using Laminator	Mansingh Yadav
2	Numerical simulation of CH ₃ NH ₃ GeI ₃ based perovskite solar cell	Assiya Haddout
3	The Effect of Internal Stresses in Coated Fiber Composite Materials: Numerical Analysis.	Sara Ramdoun
4	Roll-Over Analysis of Commercial Vehicles	Osman Aydemir, Ahmet Sinan Öktem and Ahmet Semih Ertürk
5	Shot Peening Effect on Reduced Graphene Oxide-based AA1070 Alloys Produced by Stir Casting Technique	İremnur Bülbül, Remzi Varol and Mehmet Fahri Saraç
6	Particle size evolution of NiO/Al powders during high-energy ball milling	Nor El-Houda Berramdan, Hafida Boutefnouchet and Mosbah Zidani

	Room: 31.03.2022 -(16.00-17:20) Session Chair: Dr. Alper İNCESU	
<p>Microsoft Teams: https://teams.microsoft.com/l/channel/19%3aTqb3pQNCZFyL381ktgu0pziUnKwBUDNBioA6Ev8LxMQ1%40thread.tacv2/Genel?groupId=bf4960a7-bda5-4a34-a9ad-1fbdcf5766a9&tenantId=d348f9ab-4879-4a60-ab50-5c420b11470c</p> <p>Team Code: 32c7hnk</p>		
Paper ID	Title	Authors
7	The evaluation of the force vs time graphics of punching process of AZ31 Mg alloy as shearing steps via experiment and Finite element analysis	Fadell Said Ahmed Aboshba, Bilge Demir, Hakan Gürün and Khalil Belras Ali
8	Mechanical Behaviour of the Auxetic Tubular Structure under High-speed Loading Conditions	Shao-Ho Huang and Fevzi BedİR
9	The effect of particle type on wear and corrosion behaviour of MAO coatings on AZ31 alloy	Abubaker İbrahim Elsadawi and Fatih Aydin
10	Investigation Of Biodegradability Of Mechanical Alloyed Mg-Zn Powders Produced By Powder Metallurgy	Keriman Melis Halıcı and Rasim İpek
11	Wear Rate of Aged Mg-2.5Al-1.0Sn-0.3Mn-0.4La-0.66Gd Alloy	Esra Özsoy and İsmail Hakkı Kara

SESSION 2

Room: ZOOM-01.04.2022 -(09:00-10:15) Session Chair: Dr.Engin ÇEVİK		
Zoom Link: https://us02web.zoom.us/j/9107633276?pwd=M2VUL3RNWGMvMFZCU1Zuemt6QnU3Zz09		
Meeting ID: 910 763 3276 Passcode: 12345		
Paper ID	Title	Authors
12	Wear Behavior of Homogenized Mg-2.5Al-1.0Sn0.3Mn-0.4La-0.66Gd Mg Alloy	İsmail Hakkı Kara
13	POLYPROPYLENE MATRIX E-GLASS REINFORCED THERMOPLASTIC COMPOSITES AS AN ALTERNATIVE MATERIAL FOR LIGHT WEIGHT APPLICATIONS	Halenur Konbul, Aylin Altınbay Bekem and Ahmet Ünal
14	CORROSION PERFORMANCE OF CHROMIUM (III) COATED ON AA2024 USED IN AEROSPACE INDUSTRY	Cansel Pehlivanoglu, Emir Zafer Hosgun and Mustafa Ozgur Oteyaka
16	Selection of Aluminium Used as Heating Element Tube Material in Resistance Production	Mehmet Sahin, Fikri Negis, Sınan Akbas, Salih Bektaş and Yunus Emre Dervis
17	Atomistic insight into the density effect on dynamic properties in 45S5 Melts	Youssef Ouldhini, Achraf Atila, Said Ouaskit and Abdallatif Hasnaoui

Room: ZOOM-01.04.2022 -(10:30-12:15) Session Chair: Dr.Safa POLAT		
Zoom Link: https://us02web.zoom.us/j/9107633276?pwd=M2VUL3RNWGMvMFZCU1Zuemt6QnU3Zz09		
Meeting ID: 910 763 3276 Passcode: 12345		
Paper ID	Title	Authors
18	The wear behavior of SiC reinforced waste aluminum matrix composites	Özgür Yılmaz and Mevlüt Gürbüz
19	Fabrication of Ti6Al4V Composite Foams and Their Characterization	Ömür Ekrem Güntürk and Mevlüt Gürbüz
21	Investigating the Dynamic Compression Response of a Novel Lattice Topology via Finite Element Analyses	Hubannur Seremet and Nazim Babacan
22	Effects of La addition to Mg-2Zn-1Mn alloys	Halil Ahmet Gören, Mehmet Ünal, Yunus Türen and Hayrettin Ahlatçı
23	Investigation of Stress Distribution and Deformation Zones in Composite Sleepers by Finite Element Method	Mustafa Dursunlar, Musa Yılmaz, Ozan Yazar and İsmail Aykut Karamanlı
24	Cryogenic treatment effect on the mechanical and corrosion properties of 2024 aluminum alloy	Kamil Burak Göçmen and Mustafa Özgür Öteyaka

Room: ZOOM-01.04.2022 -(14.30-16.00) Session Chair: Dr.Fatih AYDIN		
Zoom Link: https://us02web.zoom.us/j/9107633276?pwd=M2VUL3RNWGMvMFZCU1Zuemt6QnU3Zz09		
Meeting ID: 910 763 3276 Passcode: 12345		
Paper ID	Title	Authors
27	Production and Characterization of Ti-Al Alloys by Powder Bed Electron Beam Melting	Emre Kocakusakli, Ozkan Gokcekaya, Burak Dikici, Faiz Muhaffel, Murat Baydogan, Takayoshi Nakano and Hakan Yilmazer
28	Design and Manufacture of Dual Asymmetric Centrifuge Homogenizer	Fatih Huzeyfe Öztürk and Özkan Öz
29	Comparative Microstructure of Additively Manufactured Ti-6Al-4V Alloy by Electron Beam Melting and Selective Laser Melting	Yusuf Atilla Sadıkoğlu, Şeyma Küçük, Hakan Yılmaz, Özkan Gökçekaya and Takayoshi Nakano
30	A Review for Weight Reduction in Automobiles: Lightening the Center Floor Panel	Ali Karafakıoğlu, Mustafa Kocaman, Fevzi Bedir, Sevil İnan Öz and Burak Dikici
31	The production method of titanium-based biocomposite scaffolds reinforced with hydroxyapatite-zirconia: A patent analysis	Mehmet Topuz, Mehmet Gavgali and Burak Dikici
32	Investigation of nano hydroxyapatite composite doped with nano zinc oxide in terms of bioactivity and mechanical properties	Büşranur Yıldırım and Nermin Demirkol

Room: ZOOM-01.04.2022 -(16.30-18:15) Session Chair: Dr.Yasin AKGÜL		
Zoom Link: https://us02web.zoom.us/j/9107633276?pwd=M2VUL3RNWGMvMFZCU1Zuemt6QnU3Zz09		
Meeting ID: 910 763 3276 Passcode: 12345		
Paper ID	Title	Authors
34	INVESTIGATION ON THE EFFECT OF LEATHER SAWDUST ON MECHANICAL PROPERTIES OF EPOXY MATRIX COMPOSITES	Abdullah Dagdeviren, Muhammet Mevlüt Karaca and Yasin Akgül
36	Experimental Investigations on the Mechanical Properties, Wear analysis and Microstructure of CuAlNi/B4C Composites Synthesized Using Powder Metallurgy Route	Berhan Şahin, Tayfun Çetin, Muhammet Emre Turan and Mustafa Yaşar
38	INVESTIGATION OF HYDROXYAPATITE COATED MAGNESIUM AND TITANIUM ALLOYS BY SOL-GEL METHOD	Ece Duran, Hasan Durmaz, Esmâ Keskin, Bengü Akin, Hayreddin Boztaş, Aysun Işıkgül, Hayrettin Ahlatci, İsmail Esen and Yunus Türen

ORAL PRESENTATIONS (FACE TO FACE)

	Room: 01.04.2022 -(14:30-16:00) Session Chair: Dr. M. Emre TURAN	Location: Karabuk University Iron and Steel Institute
Paper ID	Title	Authors
15	Production and morphological investigation of Al6xxx-10Bi-3Mn alloy	Bünyamin Çiçek
20	Particle-reinforced multi-hybrid aluminium composite production and morphological analysis	Tuna Aydoğmuş
35	INFLUENCE OF TOOL ROTATION SPEED AND RATE ON THE CHARACTERIZATION OF FRICTION STIR WELDED DISSIMILAR SHEETS	Emir Tabanlıoğlu, Emre Yigitoglu and Mehtap Hidiroglu

Poster Presentations

	31.03.2022	Location: Iron and Steel Institute
Paper ID	Title	Authors
33	An Investigation on PMMA-PC Composite Transparencies	Rıfat Yapıcı, Damla Köroğlu and Özlem Eker
37	An investigation The Effect of Cure Temperature on Carbon Fibre Composites	Damla Köroğlu, Engin Yörük and Yusuf Önalın